

# Appendix A

## Worksheet for Institutions on the Assignment of Credit Hours and Clock Hours





## Appendix A: Worksheet for Institutions on the Assignment of Credit Hours and Clock Hours

### Instructions

This worksheet should be completed by the person(s) at the institution who knows the most about the institution's calendar and credit hour assignments; at many institutions the registrar may be the appropriate person to complete this worksheet. The person(s) completing the worksheet should work closely with the institution's financial aid officer to ensure consistency between what is reported to HLC on this form and what is reported to the U.S. Department of Education (hereafter referred to as "the Department").

**Purpose of this form.** This form provides the peer review team with a single source of information about the institution's calendar, credit hour policies and total credit hour generation related to the courses for which it provides instruction, and an overview of the institution's pattern of distribution of credit hour assignments. **It is not an inventory of every course the institution offers.** The institution should:

- Report on academic terms and credit for courses that support the institution's certificate and degree programs.
- When appropriate, include in the form brief explanations of the allocation of credit hours.
- Estimate or round off where appropriate.
- **Not** include prior learning, transfer, etc., wherein the institution awards credit but does not provide instruction associated with that credit.

**Part A. Assignment of Credits and Program Length.** All institutions must complete Part A. Institutions that use multiple calendars may need to complete more than one area of Section 1.

Part A includes:

Section 1. Institutional Calendar, Term Length and Type of Credit

Section 2. Format of Courses and Number of Credits Awarded

Section 3. Policy on Credit Hours

Section 4. Total Credit Hour Generation

Section 5. Clock Hours

**Clock Hour Worksheet.** Institutions should complete this worksheet only if they offer clock hour courses/programs or are required by the Department to report certain courses/programs to the Department in clock hours for Title IV purposes.

### Part B. Supplemental Materials

## Section 1: Institutional Calendar, Term Length and Type of Credit

**Institutions using multiple calendars across the institution may need to complete more than one area of the chart below.** For more information about the terminology and calendaring units referenced in this form, see the 2011–2012 “Federal Student Aid Handbook,” Volume 3, Chapter 1, “Academic Calendar, Payment Periods and Disbursements.” Definitions in this section are taken from that handbook.

**Institution name:** Kirtland Community College

Calendar	Term	Column 1 Term Length: Number of Weeks	Column 2 Number of Starts
<b>Semester / Trimester Calendar</b>	Standard Format: 14 to 17 week term	15	1
	Compressed Formats: 4, 8 or other week terms within the semester calendar <sup>1</sup>	0	0
	Summer Term	8	1
<b>Quarter Calendar</b>	Standard Format: 10 to 12 week term	0	0
	Compressed Formats: 2, 5 or other week terms within the quarter calendar <sup>1</sup>	0	0
	Summer Term	0	0

<sup>1</sup>If an institution offers a summer term that is different in length than the typical fall semester, it should report summer term information in this section.

**Non-standard Terms** (terms that are not semesters, trimesters or quarters. A non-standard term may have the following characteristics: courses do not begin and end within a set period of time; courses overlap terms, including self-paced and independent study courses or sequential courses that do not begin and end within a term; terms may be of equal or unequal length.)

Calendar	Term	Column 1 Term Length: Number of Weeks	Column 2 Number of Starts	Column 3 Type of Credit
<b>Non-standard Term Calendar</b>	Term One			
	Term Two			
	Term Three			
	Summer Term			

## Degree Programs (Optional)

What is the length in semester or quarter hours or other applicable units of each of the institution's degree programs? Institutions with programs at different degree levels may include a list here if an expanded answer is required (see question 2 in the *Federal Compliance Filing by Institutions*.)

All associate degree programs require a minimum of 60 semester hours. The maximum credits required in associate degree programs range from 60-67 semester hours.

## Section 2. Format of Courses and Number of Credits Awarded

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### Guide to Completing This Section

#### Purpose

In this section, the institution provides an overview of the pattern of instructional hours required for the credit hours it awards. The sample form provides a suggested approach for conveying that information to the peer review team. The institution may make modifications to the chart's format or add brief notes as appropriate to explain credit hour awards, particularly in non-standard or compressed-format classes.

If the institution offers multiple types of terms, such as a compressed-format term and a regular semester term, it should **complete a separate form for each type of term identified in Section 1**. Separate forms will help the peer review team understand how instructional time is related to credit hour awards in each term. The information in this section need not be extensive as long as it explains how credit hours are awarded across various formats at the institution.

This section should not be used to demonstrate that the institution assigns credit hours appropriately in regard to non-contact-hour requirements such as out-of-class group meetings or homework assignments. That issue may be addressed in the institution's credit hour policy, and may be evaluated by the peer review team in the sample of institutional programs it examines during the visit.

#### Period Reported

An institution may use any recent term that appropriately depicts its credit hour allocations as the basis for completing the *Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses* below.

#### Key to Rows

- **Number of Courses**—Count each course offered by the institution in the row corresponding to the number of credits awarded and the column or columns representing the format of delivery through which the course or a section of the course is offered. Do not count sections of the same course if the sections are offered in the same delivery format.
- **Number of Meetings**—Enter the total number of class meetings (or equivalent) provided in each course with each credit award during the term reported; if the number of class meetings varies, enter a range. For distance, correspondence or other formats, report on instructional time. Do not include study or other time during which students work independently or with other students even though such time may be provided to replace time with a faculty member. Instructional time need not be limited to time spent with all students in the class in a single format.

- Include labs or discussions in the number of meetings if they are a required element of the course, if they do not have a separate course number or credit hour allocation, and if the presence of a lab or discussion is considered significant when the institution assigns credit hours to the course. If a lab or discussion does not meet these considerations, it need not be reflected in this chart.
- Meeting Length—Enter the range (shortest to longest) of meeting times in each category. (*Note:* One hour may be 50 minutes of actual instructional time.)

### Key to Columns

- **FTF (face-to-face):** Courses in which instructors interact with students in the same physical space for approximately 75 percent or more of the instructional time.
- **Mixed FTF:** Courses in which instructors interact with students in the same physical space for less than 75 percent of the instructional time, with the remainder of the instructional time provided through distance or correspondence education.

*Note:* The above explanations arise from HLC’s distance education protocol. Institutions may use other thresholds for FTF and Mixed FTF provided that they define them clearly and include the definition on this worksheet.

- **Distance:** Courses in which instructors interact with students through one or more forms of distance delivery.
- **Correspondence:** Courses in which instructors interact with students through mail or electronic interface, typically according to a self-paced schedule.

*Federal Definitions of Distance/Correspondence Education:*

*Distance education/course means education that uses one or more of the {following} technologies (i) to deliver instruction to students who are separated from the instructor; and (ii) to support regular and substantive interaction between the students and the instructor, synchronously or asynchronously. The technologies used may include: (i) the internet; (ii) one way and two way transmissions through open broadcast, closed circuit, cable, microwave, broadband lines, fiber optics, satellite, or wireless communications devices; (iii) audioconferencing; or (iv) videocassettes, DVDs, and CD-Roms, if the videocassettes, DVDs or CD-Roms are used in conjunction with any of the technologies listed in clauses (i) through (iii).*

*Correspondence education/course means: (1) Education provided through one or more courses by an institution under which the institution provides instructional materials, by mail or electronic transmission, including examinations on the materials, to students who are separated from the instructor. (2) Interaction between the instructor and the student is not regular and substantive, and is primarily initiated by the student. (3) Correspondence courses are typically self-paced. (4) Correspondence education is not distance education.*

- **Independent/Directed Study:** Courses in which instructors interact with students through a flexible format.
- **Weekend College:** Some institutions may have an evening or weekend college that, while on the same calendar, may structure its courses and credit assignments differently than the same courses offered during the regular day. If courses are offered in the evening or on the weekend as another scheduling option for students, but the courses provide similar class meetings or instructional time as

those courses offered by the institution during the regular day, the institution need not report evening or weekend courses in this category.

- **Internships or Practica:** Some institutions may provide internship or practica experiences for which credits are awarded. Institutions that have professional schools in medicine, law, nursing, physical therapy, etc., which often require internships or practica with high credit allocations, should provide brief summative information about the internships but need not include them in the report form.

### Examples

- If the institution offers Calculus 210, a three credit-hour course, in FTF and distance formats as well as through the Weekend College, the course should be reported in the row for 3 credits and once in each column corresponding to each course format offered.
- If the institution offers that course in a full 14–17-week standard format as well as in a compressed format, the course should be reported on one form for the standard format and on a separate form for the compressed format.
- If in the FTF format instructors meet with students two times per week for 1.5 hours per meeting for the 14 weeks of the term, the number of meetings should be reported as 28 meetings, and the length of each meeting as 1.5 hours.

### **NEW: Direct Assessment or Competency-Based Credit Hour Equivalencies**

Complete the questions following the chart with regard to direct assessment or competency-based programs.

## Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses

Using the above instructions and the following sample as a guide, create a form that provides an overview of the pattern of instructional hours required for the credit hours the institution awards. Complete a separate form for each term length specified in Section 1, Columns 1 and 2, above. Attach the form(s) as **Supplement A1**.

*Note:* Institutions offering courses with **six or more credits awarded** should include those courses in this form. Identify the number of credits awarded in the first column. In addition, identify the course(s) and explain the reasoning behind the credit allocated to those courses in a narrative attached to the form.

### SAMPLE—NOT FOR COMPLETION

**Term and Length** (e.g., Spring 2011, 16 weeks OR Spring 2011, 5 weeks):

Number of Credits Awarded	Instructional Time	Course Formats						
		FTF	Mixed FTF	Distance	Corresp.	Independent/Directed Study	Weekend College	Internship or Practica
1 Credit	Number of courses							
	Number of meetings							
	Meeting length							
2 Credits	Number of courses							
	Number of meetings							
	Meeting length							
3 Credits (Example)	Number of courses	119	24	57	14	2	20	4
	Number of meetings	15-45	15-30	15	4-8	3-14	6	6-10
	Meeting length	1-3 hrs.	1-2 hrs.	1 hr.	1-2 hrs.	.5-3 hrs.	4 hrs.	1-4 hrs.
4 Credits	Number of courses							
	Number of meetings							
	Meeting length							
5 Credits	Number of courses							
	Number of meetings							
	Meeting length							

### Other Courses Not Reported

List below any other courses that were not included in the *Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses*. Identify the course names, the number of credits allocated, a brief description of how instruction takes place in these courses and how many hours of

instruction are provided. (Such courses might include travel, summer term or other courses that do not fit in the columns above because they have a different delivery format.)

See Supplement A1 - Explanation of courses with less than 1 credit hour

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## Direct Assessment or Competency-Based Programs

An institution must demonstrate that any direct assessment or competency-based programs that it offers have appropriate credit hour equivalencies.

1. Provide a list of the academic programs available in direct assessment or competency-based format and the required credit hours for each program. Identify the learning objectives for each such program.  
N/A
2. Explain how the institution sets credit hour equivalencies for these courses and programs and otherwise ensures that students have sufficient instructional time and out-of-class work to justify the credit allocations for the courses and programs.  
N/A
3. How does the institution's credit hour policy explain credit hour allocations or equivalencies established by the institution for these types of offerings?  
N/A
4. Identify aggregate learning outcomes information the institution has collected for direct assessment and competency-based programs and explain how the institution reviewed this information and considered it in academic program review and its improvement processes.  
N/A



### Section 3: Policy on Credit Hours

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Does the institution have a policy specific to the assignment of credit?

Yes

No

The institution has policies specific to the assignment of credit at the following levels (check all that apply):

Institution-wide

Delivery-format-specific

Department-specific

Program-specific

Attach copies of all applicable policies related to the assignment of credit as **Supplement A2**.

### Section 4: Total Credit Hour Generation

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How many credits does a typical full-time or part-time undergraduate student take during a regular term?

Fall 2016: Overall Headcount = 1,570 and Credit Hours = 13,175.00

Full-time (12 credit hours or more)

Student Headcount = 504 Average credit hours taken = 13.72

Part-time (less than 12 credit hours but more than 0 credit hours)

Student Headcount = 993 Average credit hours taken = 6.30

No-credit (0.00 credit hours)

Student Headcount = 73

Combined - ALL STUDENTS

Student Headcount = 1,570 Average credit hours taken = 8.39

Winter 2017: Overall Headcount = 1,501 and Credit Hours = 11,992.20

Full-time (12 credit hours or more)

Student Headcount = 467 Average credit hours taken = 13.26

Part-time (less than 12 credit hours but more than 0 credit hours)

Student Headcount = 935 Average credit hours taken = 6.12

No-credit (0.00 credit hours)

Student Headcount = 99

Combined - ALL STUDENTS

Student Headcount = 1,501 Average credit hours taken = 7.99

How many credits does a typical full-time or part-time graduate student take during a regular term? N/A



## Section 5: Clock Hours

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**This worksheet does not apply to all institutions.**

This worksheet is not intended for institutions to demonstrate that they have assigned credit hours relative to contact hours in accordance with the Carnegie definition of the credit hour. This worksheet solely addresses those programs reported to the Department in clock hours for Title IV purposes. Institutions that do not have such programs should not complete this worksheet.

Answer “Yes” to the statement below **only if the institution offers any programs in clock hours or programs that must be reported to the Department in clock hours for Title IV purposes even though students may earn credit hours for graduation from these programs.** For example, any program that prepares students for a licensed or professional discipline may need to be reported in clock hours to the Department.

Check with the institution’s financial aid officer to determine if the institution has programs of this nature. Such programs typically include those that must be identified in clock hours for state licensure of the program or where completing clock hours is a requirement for graduates to apply for licensure or authorization to practice the occupation. Such programs might include teacher education, nursing or other programs in licensed fields.

Does the institution report clock hours to the U.S. Department of Education with regard to some programs for Title IV purposes?

Yes

No

**If the answer is Yes, complete the Clock Hour Worksheet.**

## Clock Hour Worksheet

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**Only certain institutions must complete this worksheet.**

**Please review the following instructions.**

Complete this worksheet **only if** the institution answered “Yes” in Section 5, indicating that the institution offers programs in clock hours OR programs that must be reported to the U.S. Department of Education in clock hours for Title IV purposes even though students may earn credit hours for graduation from these programs.

Federal Formula for Minimum Number of Clock Hours of Instruction (34 CFR §668.8):  
1 semester or trimester hour must include at least 37.5 clock hours of instruction  
1 quarter hour must include at least 25 clock hours of instruction

**Institution name:** Kirtland Community College

Attach as **Supplement A3** a list of the academic programs that are reportable in clock hours based on the information above.

Does the list in Supplement A3 match the list submitted to the U.S. Department of Education?

Yes

No

What is the institution’s credit-to-clock-hour conversion policy?  
1500 clock hours; 37.5 credit hours of instruction per semester

If the credit-to-clock-hour conversion numbers are less than the federal formula, what are the specific requirements, if any, for student work outside of class?  
N/A

Attach the institution’s last E-App as **Supplement A4**.

Attach the institution’s ECAR as **Supplement A5**.

Attach the institution’s most recent program review as **Supplement A6**.

## Part B: Supplemental Materials

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The institution must include with this document the following supplements as PDF documents.

- Attach a copy of the catalog or other document that contains course descriptions and applicable credit hour assignments as **Supplement B1**.
- Attach the catalog or other document in which the institution has marked or highlighted any course provided by the institution in non-standard terms or compressed format for the term reported. This information can also be provided on a separate list that identifies those courses and how to find them in the course catalog. Attach this document as **Supplement B2**.
- Attach as **Supplement B3** the course schedule for the most recently completed fall and spring terms, including times and meeting dates for all classes at all locations and in all delivery formats. If the course schedule is not available as a separate document, include a URL to access this information online. If a password is required to access this information, include that password.

*Note:* The peer review team may ask for additional data to examine credit hour production by educational program and by course. These data may include separate breakdowns for general education as well as by delivery format, by course academic unit (semester, quarter, etc.), by level, or by location.

# Supplement A1

# Kirtland Community College

## Winter 2017 Semester College Classes

Number of Credits Awarded	Instructional Time	FTF	Mixed FTF (Hybrid)	Distance (Online)	Corresp.	Independent/Directed Study (IS - Open Studio - Flex)			Weekend College	Internship or Practical
1 credit	Number of courses	4		2		2		149		1
	Number of meetings	16						1-32		
	meeting length (hours)	1-3						1-6		
2 credits	Number of courses	8		1		1		1		1
	Number of meetings	16-32								
	meeting length (hours)	2-6								
2.5 credits	Number of courses	21								
	Number of meetings	16-80								
	meeting length (hours)	1-5								
3 credits	Number of courses	31	5	38		8	6	1		7
	Number of meetings	16-32	16				16-32			
	meeting length (hours)		2				2			
3.5 credits	Number of courses	1								
	Number of meetings	1								
	meeting length (hours)	5								
4 credits	Number of courses	25	1	17				5		1
	Number of meetings	16-32	16					1-2		
	meeting length (hours)	3-8	2					3-6		

5 credits	Number of courses	3								1
	Number of meetings	16								
	meeting length (hours)	3-6								
6 credits	Number of courses	1		1						
	Number of meetings	16								
	meeting length (hours)	7								
8 credits	Number of courses		2							NUR
	Number of meetings		1							
	meeting length (hours)		2							
9 credits	Number of courses		1							NUR
	Number of meetings		1							
	meeting length (hours)		2-4							
9.5 credits	Number of courses	2								NUR
	Number of meetings	32								
	meeting length (hours)	3								
12.5 credits	Number of courses									1
	Number of meetings									
	meeting length (hours)									
21 credits	Number of courses	1								
	Number of meetings	80								
	meeting length (hours)	9.5								



**Winter 2017 Semester**  
**College Classes Delivered in High Schools**

Number of Credits Awarded	Instructional Time	FTF	Mixed FTF (Hybrid)	Distance (Online)	Corresp.	Independent/Directed Study (IS - Open Studio - Flex)			Weekend College	Internship or Practical
1 credit	Number of courses	10								
	Number of meetings	16-64								
	meeting length (hours)	1-5								
2 credits	Number of courses	1								
	Number of meetings	64								
	meeting length (hours)	2								
2.5 credits	Number of courses	2								
	Number of meetings	32								
	meeting length (hours)	5								
3 credits	Number of courses	8	3	2						
	Number of meetings	32-80	16							
	meeting length (hours)	1-5	2							
4 credits	Number of courses	3								
	Number of meetings	16								
	meeting length (hours)	5								
6 credits	Number of courses	1								
	Number of meetings	32								
	meeting length (hours)	5								

## **Explanation of courses with 6 or more credits:**

Fall and winter semester courses with 6 or more credits are listed below. These courses have state mandated hours or are clinical courses in health sciences.

The following courses awarded 6 or more credits:

ALH 10400 - Nursing Assistant - In addition to 39 hours of lecture for the course, students are required to complete 56.5 hours in lab and 24.5 hours in a clinical setting.

NUR 10515 - Fundamentals of Nursing Practice - In addition to 48 hours of lecture for the course, students are required to complete 96 hours in lab and 40 hours in a clinical setting.

NUR 10815 - Nursing Across the Lifespan - In addition to 48 hours of lecture for the course, students are required to complete 224 hours in a clinical setting.

NUR 22215 - Advanced Med/Surg Nursing I - In addition to 48 hours of lecture for the course, students are required to complete 224 hours in a clinical setting.

NUR 22415 - Advanced Med/Surg Nursing II - In addition to 64 hours of lecture for the course, students are required to complete 224 hours in a clinical setting.

PHB 10100 - Phlebotomy Technician - In addition to 48 hours of lecture for the course, students are required to complete 16 hours in lab and 110 hours in a clinical setting.

PHM 11000 - Pharmacy Technology I - In addition to 144 hours of lecture for the course, students are required to complete 160 hours in lab setting.

SON 29900 - Internship -students are required to complete 600 hours in a clinical setting.

SUR 29901 - Internship - In addition to 16 hours of seminar for the course, students are required to complete 512 hours in a clinical setting.

CJS 26007 - Corrections Academy - Students must complete 160 hours as required by Michigan Correctional Officer's Training Council

CJS 26600 - Police Academy - Students must complete 677 hours as required by Michigan Commission of Law Enforcement Standards.

CJS 26601 - Military Police Academy - Students must complete 320 hours as required by Michigan Commission of Law Enforcement Standards.

EMS 10000 - Basic EMT - Students must complete 160 hours in this course as required by the Michigan Department of Health and Human Services

EMS 20800 - EMS Capstone - In addition to 88 hours of lecture for the course, students must complete 48 hours in lab, which includes core certificate courses such as CPR for the Healthcare Provider, ACLS (Advanced Cardiac Life Support), PALS (Pediatric Advanced Life Support) and PHTLS (Pre-Hospital Trauma Life Support).

FFT 20700 - Firefighter I and II - Students must complete 295 hours as required by National Fire Protection Association

## Explanation of courses with less than 1 credit hour:

Kirtland Community College has a diverse student population, many of which are older and working full- or part-time jobs while attending college. This is prevalent in the skilled trades programs offered at Kirtland – Gaylord (M-TEC). In a face-to-face setting, students progress through a series of modules taught by highly qualified instructors receiving content in lectures. Students follow-up with hands-on experience. To progress to the next module, students demonstrate mastery by taking a written test.

This instructional format allows for part-time students to complete the programs in Electrical Technology (ELT) and Heating, Ventilation, Air Condition and Refrigeration (HVAC) by providing flexibility to get the education they desire while working. Full-time students are able to complete an entire series of modules within a level of the program to obtain an Associate of Applied Science degree in four semesters.

Course Code	Course Title	Delivery Method	Credit Hours
ALH 10300	Professional CPR	Face-To-Face	0.25
<b>Core Courses: 3.5 credits (87.5 class hours)</b>			
COR 10001	Basic Safety	Face-To-Face	0.5
COR 10002	Introduction to Construction Math	Face-To-Face	0.4
COR 10003	Introduction to Hand Tools	Face-To-Face	0.4
COR 10004	Introduction to Power Tools	Face-To-Face	0.4
COR 10005	Intro to Construction Drawings	Face-To-Face	0.4
COR 10006	Basic Rigging	Face-To-Face	0.6
COR 10007	Basic Communication Skills	Face-To-Face	0.3
COR 10008	Basic Employability Skills	Face-To-Face	0.3
COR 10009	Intro to Materials Handling	Face-To-Face	0.2
<b>Electrical Level 1: 4.5 credits (112.5 class hours)</b>			
ELT 10101	Orientation to the Electrical Trade	Face-To-Face	0.1
ELT 10102	Electrical Safety	Face-To-Face	0.4
ELT 10103	Introduction to Electrical Circuits	Face-To-Face	0.3
ELT 10104	Electrical Theory	Face-To-Face	0.3
ELT 10105	Intro to the NEC	Face-To-Face	0.3
ELT 10106	Device Boxes	Face-To-Face	0.4
ELT 10107	Hand Bending	Face-To-Face	0.4
ELT 10108	Raceways and Fittings	Face-To-Face	0.8
ELT 10109	Conductors and Cables	Face-To-Face	0.4
ELT 10110	Basic ELT Construction Drawings	Face-To-Face	0.3
ELT 10111	Residential Electric Services	Face-To-Face	0.6
ELT 10112	Electrical Test Equipment	Face-To-Face	0.2

Course Code	Course Title	Delivery Method	Credit Hours
<b>Electrical Level 2: 5.8 credits (145 class hours)</b>			
ELT 10202	Alternating Current	Face-To-Face	0.7
ELT 10203	Motors: Theory and Application	Face-To-Face	0.8
ELT 10204	Electrical Lighting	Face-To-Face	0.6
ELT 10205	Conduit Bending	Face-To-Face	0.6
ELT 10206	Pull and Junction Boxes	Face-To-Face	0.5
ELT 10207	Conductor Installations	Face-To-Face	0.4
ELT 10208	Cable Tray	Face-To-Face	0.3
ELT 10209	Conductor Terminations and Splices	Face-To-Face	0.3
ELT 10210	Grounding and Bonding	Face-To-Face	0.6
ELT 10211	Circuit Breakers and Fuses	Face-To-Face	0.5
ELT 10212	Control System and Concepts	Face-To-Face	0.5
<b>Electrical Level 3: 6.2 credits (155 class hours)</b>			
ELT 20303	Load Calculations - Branch Circuits	Face-To-Face	0.7
ELT 20304	Conductor Selection and Calculation	Face-To-Face	0.6
ELT 20305	Practical Applications of Lighting	Face-To-Face	0.5
ELT 20306	Hazardous Locations	Face-To-Face	0.6
ELT 20307	Overcurrent Protection	Face-To-Face	1.0
ELT 20308	Distribution Equipment	Face-To-Face	0.5
ELT 20309	Transformers	Face-To-Face	0.5
ELT 20310	Commercial Electrical Services	Face-To-Face	0.4
ELT 20311	Motor Calculations	Face-To-Face	0.5
ELT 20312	Voice, Data, and Video	Face-To-Face	0.4
ELT 20313	Motor Controls	Face-To-Face	0.5
<b>Electrical Level 4: 7 credits (175 class hours)</b>			
ELT 20404	Load Calculations - Feeder and Serv	Face-To-Face	0.8
ELT 20405	Health Care Facilities	Face-To-Face	0.4
ELT 20406	Standby and Emergency Systems	Face-To-Face	0.4
ELT 20407	Basic Electronic Theory	Face-To-Face	0.4
ELT 20408	Fire Alarm Systems	Face-To-Face	0.6
ELT 20409	Specialty Transformers	Face-To-Face	0.4
ELT 20410	Advanced Motor Controls	Face-To-Face	0.8
ELT 20411	HVAC Controls	Face-To-Face	0.6
ELT 20412	Heat Tracing and Freeze Protection	Face-To-Face	0.4
ELT 20413	Motor Operation and Maintenance	Face-To-Face	0.4
ELT 20414	Medium Voltage Termination/Splices	Face-To-Face	0.4
ELT 20415	Special Locations	Face-To-Face	0.8
ELT 20416	Introductory Skills for Crew Leader	Face-To-Face	0.6
ELT 20418	Michigan Laws & Rules	Face-To-Face	0.6

Course Code	Course Title	Delivery Method	Credit Hours
<b>HVAC Level 1: 4.7 credits (120 class hours)</b>			
HVC 11100	Introduction to HVAC	Face-To-Face	0.3
HVC 11101	Trade Mathematics	Face-To-Face	0.4
HVC 11102	Basic Electricity	Face-To-Face	0.5
HVC 11103	Introduction to Heating	Face-To-Face	0.6
HVC 11104	Introduction to Cooling	Face-To-Face	1.2
HVC 11105	Intro to Air Distribution Systems	Face-To-Face	0.6
HVC 11106	Basic Copper & Plastic Piping Pract	Face-To-Face	0.4
HVC 11107	Soldering & Brazing	Face-To-Face	0.4
HVC 11108	Basic Carbon Steel Piping Practices	Face-To-Face	0.4
<b>HVAC Level 2: 6.3 credits (157.5 class hours)</b>			
HVC 11200	Alternating Current	Face-To-Face	0.3
HVC 11201	Compressors	Face-To-Face	0.7
HVC 11202	Refrigerants & Oils	Face-To-Face	0.5
HVC 11203	Leak Detect/Evac/Recov/Charging	Face-To-Face	1.2
HVC 11204	Metering Devices	Face-To-Face	0.3
HVC 11205	Heat Pumps	Face-To-Face	0.8
HVC 11206	Basic Maintenance	Face-To-Face	0.4
HVC 11207	Chimneys, Vents & Flues	Face-To-Face	0.2
HVC 11208	Sheet Metal Duct Systems	Face-To-Face	0.4
HVC 11209	Fiberglass & Fabric Duct Systems	Face-To-Face	0.3
HVC 11210	Commercial Airside Systems	Face-To-Face	0.5
HVC 11211	Air Quality Equipment	Face-To-Face	0.2
HVC 11212	Introduction to Hydronic Systems	Face-To-Face	0.5
<b>HVAC Level 3: 6.3 credits (157.5 class hours)</b>			
HVC 21300	Hardware & Fastening	Face-To-Face	0.4
HVC 21301	Control Circuit/Motor Troubleshoot	Face-To-Face	1.2
HVC 21302	Troubleshooting Cooling	Face-To-Face	0.8
HVC 21303	Troubleshooting Heat Pumps	Face-To-Face	0.5
HVC 21304	Troubleshooting Gas Heating	Face-To-Face	0.5
HVC 21305	Troubleshooting Oil Heating	Face-To-Face	0.5
HVC 21306	Troubleshooting Accessories	Face-To-Face	0.3
HVC 21307	Ductless Equipment/Zone Control Sys	Face-To-Face	0.5
HVC 21308	Commercial Hydronic Systems	Face-To-Face	0.3
HVC 21309	Steam Systems	Face-To-Face	0.4
HVC 21310	Retail Refrigeration Systems	Face-To-Face	0.6
HVC 21311	Customer Relations	Face-To-Face	0.2

Course Code	Course Title	Delivery Method	Credit Hours
<b>HVAC Level 4: 6.4 credits (160 class hours)</b>			
HVC 21400	Water Treatment	Face-To-Face	0.5
HVC 21401	Indoor Air Quality	Face-To-Face	0.4
HVC 21402	Energy Conservation Equipment	Face-To-Face	0.3
HVC 21403	Building Management Systems	Face-To-Face	0.5
HVC 21404	System Air Balancing	Face-To-Face	0.5
HVC 21404	System Air Balancing	Face-To-Face	0.6
HVC 21405	System Startup & Shutdown	Face-To-Face	0.6
HVC 21406	Construction Drawings/Specification	Face-To-Face	0.5
HVC 21407	Heating & Cooling System Design	Face-To-Face	1.0
HVC 21408	Commercial/Industrial Refrigeration	Face-To-Face	0.8
HVC 21409	Alternative/Specialized HVAC System	Face-To-Face	0.4
HVC 21410	Fundamentals of Crew Leadership	Face-To-Face	0.8
<b>Plumbing Courses</b>			
PLB 10301	Intro to the Plumbing Profession	Face-To-Face	0.2
PLB 10302	Plumbing Safety	Face-To-Face	0.8
PLB 10303	Plumbing Tools	Face-To-Face	0.3
PLB 10304	Intro to Plumbing Math	Face-To-Face	0.3
PLB 10305	Intro to Plumbing Drawings	Face-To-Face	0.5
PLB 10306	Plastic Pipe and Fittings	Face-To-Face	0.4
PLB 10307	Copper Pipe and Fittings	Face-To-Face	0.4
PLB 10308	Cast Iron Pipe and Fittings	Face-To-Face	0.5
PLB 10309	Carbon Steel Pipe and Fittings	Face-To-Face	0.4
PLB 10310	Corrugated Stainless Steel Tubing	Face-To-Face	0.1
PLB 10311	Fixtures and Faucets	Face-To-Face	0.2
PLB 10312	Intro to Drain/Waste/Vent (DWV) Sys	Face-To-Face	0.4
PLB 10313	Intro to Water Distribution Systems	Face-To-Face	0.4
PLB 10314	Plumbing Math Two	Face-To-Face	0.6
PLB 10315	Reading Commercial Drawings	Face-To-Face	0.8
PLB 10316	Hanger/Support/Struc Pen/Fire Stop	Face-To-Face	0.4
PLB 10317	Installing & Testing DWV Piping	Face-To-Face	1.0
PLB 10318	Installing Roof/Floor/Area Drains	Face-To-Face	0.2
PLB 10319	Types of Valves	Face-To-Face	0.2
PLB 10320	Install & Test Water Supply Piping	Face-To-Face	0.8
PLB 10321	Installing Fixtures/Valves/Faucets	Face-To-Face	0.8
PLB 10322	Intro to Electricity	Face-To-Face	0.6
PLB 10323	Installing Water Heaters	Face-To-Face	0.2
PLB 10324	Fuel Gas Systems	Face-To-Face	0.8
PLB 10325	Servicing Fixtures/Valves/Faucets	Face-To-Face	0.2

# Supplement A2

#### **POL 4.005 Academic Credit Hour Policy**

For each credit hour awarded, Kirtland Community College will require the achievement of learning outcomes obtained through one hour of direct faculty instruction, as well as a minimum of two hours of out-of-class student coursework each week, for approximately 15 weeks, or the achievement of equivalent learning outcomes over the equivalent amount of time in a different schedule (such as compressed summer semester).

#### **PRO 4.005 Academic Credit Hour Procedure**

All courses must have clearly defined student learning outcomes that are consistent with the credit hours awarded for the course.

For courses delivered in an online format, they will be awarded the same credit hour as their face-to-face version provided that the same learning outcomes are expected.

Credit hour allocation will be approved by the Curriculum and Instruction Committee for all new and revised courses.

Credit hours for other learning experiences beyond the traditional classroom will be allocated as follows:

- Clinical and Internship experiences will be awarded 1 credit hour for every 3 hours of student participation each week over the 15 week semester, or the equivalent for compressed semesters.
- Laboratories, Studios, and Music Ensembles will be awarded 1 credit hour for every 2 hours of student participation each week over the 15 week semester, or the equivalent for compressed semesters.
- Lecture/Lab/Clinical courses will be awarded credit based on a combination of credit hour allocation according to the type of work required of students to meet the student learning outcomes of those courses.

Additional credit may be awarded based on a level of student learning demonstrated as equivalent to that stated in the policy or other definitions, above. Such equivalence may be demonstrated by faculty assessment of student knowledge, skills and abilities, in relation to stated learning outcomes, that are:

- a. evaluated to be equivalent to those demonstrated by students who have successfully passed a course of study that complies with the credit hour policy or
- b. evaluated to be equivalent in terms of levels of work in academic activities including laboratory work, internships, practical work, studio work and/or independent research activity, or
- c. evaluated to meet standards established through recognized disciplinary or accrediting bodies, peer institutions, or other established methodology to affirm equivalency, so long as those standards have been formally accepted by Kirtland Community College through its curricular approval process.



Student learning outcome equivalencies will be based on documented qualitative and quantitative expectations for:

1. Time required of students to complete assigned learning activities, taking into account expectations based on degree level, discipline and weight in students' final course grade;
2. Time required of students to read and understand content developed by course faculty, excluding time required to read assignments in a course syllabus;
3. Time required of course faculty to respond to student questions received via e-mail, posted in the online classroom, and/or discussed in the online class chat room; and
4. Time required of course faculty and students to participate in online conference activities.

Student learning outcome equivalencies reflect differences in delivery methods, quality of instruction and interaction, degree of supervision, measurements of student work, academic disciplines, academic calendars and degree levels.

# Supplement A3

## **CCOS1 – Certificate of Completion in Cosmetology (CIP 12.04.01)**

This program (CCOS1 – Certificate of Completion in Cosmetology) was last offered in 2015-2016 for students to enroll in. It was a clock hour program (1500 clock hours; 37.5 credit hours of instruction per semester).

The program (now coded CCOS2 – Certificate of Completion in Cosmetology) starting in 2016-2017 is only offered as a credit hour program by Kirtland Community College. The clock hour program remains on the ECAR in order to teach out any remaining students in the CCOS1 program. There were no enrolled students in the CCOS1 program in Winter 2017 semester.

Supporting documentation of this change is contained in the following pages of Supplement A3.



FEDERAL STUDENT AID "START HERE. GO FURTHER."

**UNITED STATES DEPARTMENT OF EDUCATION**

FEDERAL STUDENT AID  
SCHOOL ELIGIBILITY CHANNEL  
SCHOOL PARTICIPATION TEAM  
CHICAGO - DENVER TEAM

Dr. Thomas Quinn  
President  
Kirtland Community College  
10775 North Saint Helen Road  
Roscommon, MI 48653-0000

06/13/2016

**OPE ID 00717100**

**Approval Notice**

Reason for Action: Nondegree/Vocational Program

Approval Date: Effective 06/13/2016

Dear Dr. Quinn:

The Chicago - Denver Case Management Team has completed its review of the documentation that Kirtland Community College (Institution) submitted regarding its nondegree/vocational program.

As a result of that review, we have approved the following:

New vocational program(s):

CIP: 12.0401 - Certificate of Completion Cosmetology, 1536 Clock Hours, 40 Semester Hours, 53 Weeks

Vocational program change(s):

CIP: 12.0401 - Cosmetology, 1500 Clock Hours, 40 Semester Hours, 52 Weeks

Please print a copy of this notice and the Eligibility and Certification Approval Report (ECAR) from the EAPP website at <http://eligcert.ed.gov/eapp/owa/ecar>. This Approval Notice is an addendum to the Institution's Program Participation Agreement (PPA). Please retain this notice and the ECAR with the PPA for compliance purposes.

Should you have any questions, please contact Monica Avina at (312) 730-1449.

Sincerely,

Douglas Parrott  
Area Case Director  
School Participation Team, NW  
Chicago Team

cc: Christin Bates, Director of Financial Aid

May 19, 2016

Dr. Thomas Quinn  
President  
Kirtland Community College  
10775 North St. Helen Road  
Roscommon, MI 48653

Dear President Quinn:

This letter serves as formal notification and official record of action taken concerning Kirtland Community College by the Institutional Actions Council of the Higher Learning Commission at its meeting on May 16, 2016. The date of this action constitutes the effective date of the institution's new status with HLC.

**Action.** IAC concurred with the evaluation findings and approved the institution's request to change the clock and credit hours required for the Certificate of Completion in Cosmetology from 1500 clock hours; 37.5 credit hours to 1536 clock hours; 40 credit hours.

In two weeks, this action will be added to the *Institutional Status and Requirements (ISR) Report*, a resource for Accreditation Liaison Officers to review and manage information regarding the institution's accreditation relationship. Accreditation Liaison Officers may request the ISR Report on HLC's website at <http://www.hlcommission.org/isr-request>.

Information on notifying the public of this action is available at <http://www.hlcommission.org/HLC-Institutions/institutional-reporting-of-actions.html>.

If you have any questions about these documents after viewing them, please contact the institution's staff liaison Linnea Stenson. Your cooperation in this matter is appreciated.

Sincerely,



Barbara Gellman-Danley  
President

CC: ALO



## Clock to Credit Conversion or Substantial Increase or Decrease in Clock or Credit Hours Required for One or More Programs

### *Substantive Change Application*

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Institution: **Kirtland Community College**      City, State: **Roscommon, Michigan**  
Name of person completing this application: **Nick Baker**      Date Submitted: **03/04/2016**  
Title: **Director of Institutional Research**      Phone: **989-275-5000 ext 335**      Email:  
**nick.baker@kirtland.edu**

The questions are designed to elicit brief, succinct, detailed information, rather than a narrative or references to extensive supporting documents. Do not attach other documents unless they are specifically requested in the questions. The total submission should be no more than 10-12 pages on a single classification of change. (The page limit excludes attachments.)

If the name of the person completing this application is not the CEO, CAO, or the ALO of the institution, it is understood that the person completing and submitting this application has consulted with and informed those individuals.

Submit the completed application as a single electronic document (in Adobe PDF format) on the following webpage: [http://www.hlcommission.org/document\\_upload/](http://www.hlcommission.org/document_upload/).

### **Part 1: General Questions**

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**1. Requested Change(s).** Concisely describe the change for which the institution is seeking approval.

**Change from clock hours to credit hours for the Cosmetology program.**

**2. Is this application being submitted in conjunction with another application?**

Yes

No

### 3. Classification of Change Request.

*Note: not every institutional change requires prior review and approval. Review the [“Overview of HLC Policies and Procedures for Institutional Changes Requiring HLC Notification or Approval”](#) to make certain that current HLC policy requires the institution to seek approval.*

An institution submitting more than one change request should complete multiple applications, one for each type of change. The types of change requests include:

- Change in mission
- Change in student body
- Competency-based education (credit-based; direct assessment; hybrid) programs
- Consortial arrangement
- Contractual arrangement
- Substantially changing the clock or credit hours required for a program
- Change in academic calendar (e.g., quarters to semester) or change in credit allocation
- Teach-out plan if closing location provides total degree programs
- Distance or correspondence education
- New Programs
- Certificate Programs
- Branch Campuses and Additional Locations

**4. Special conditions.** Indicate whether any of the conditions identified below fit the institution (Yes or No). If Yes, explain the situation in the box provided.

- a) Is the institution, in its relations with other regional, specialized, or national accrediting agencies, currently under or recommended for a negative status or action (e.g., withdrawal, probation, sanction, warning, show-cause, etc.)?

No

- b) Is the institution now undergoing or facing substantial monitoring, special review, or financial restrictions from the U.S. Dept. of Education or other federal or state government agencies?

No

- c) Has the institution’s senior leadership or board membership experienced substantial resignations or removals in the past year?

No

- d) Is the institution experiencing financial difficulty through such conditions as a currently declared state of exigency, a deficit of 10% or more, a default or failure to make payroll during the past year, or consecutive deficits in the two most recent years?

No



- e) Is the institution experiencing other pressures that might affect its ability to carry out the proposal (e.g., a collective bargaining dispute or a significant lawsuit)?

No

**5. Approvals.** Mark whether each type of approval is required prior to implementing the proposed change. If “Yes”, attach documentation of the approval to the request. If “No”, attach evidence that approval is not needed.

Internal (faculty, board) approvals  Yes  No

System approvals  Yes  No  Not Applicable

State approval  Yes  No

Foreign country(ies) approvals  Yes  No  Not Applicable

For Distance or Correspondence Education only: process in place to ascertain and secure state approval(s) as required  Yes  No

**6. Specialized Accreditation.** Complete this section only if specialized accreditation is required for licensure or practice in program(s) covered by this change application.

The institution has already obtained the appropriate specialized accreditation. Attach a copy of the letter from the agency granting accreditation.

The institution has begun the process of seeking or plans to seek specialized accreditation. Specify the name of the agency and the timeline for completing the process in the space below. (If approval is a multi-stage process, the institution should contact the HLC staff liaison to discuss the timeline before submitting this change application form.)

The institution does not plan to seek specialized accreditation. Provide a rationale for not seeking this accreditation in the space below.

Each student must pass a State of Michigan licensure examination to practice Cosmetology in Michigan.

**7. Changes Requiring Visits.** This section is not for Commission-mandated visits such as additional location confirmation visits or campus evaluation visits.

*Note: Complete this section only if the institution is already aware that the proposed change will need to be reviewed through a visit. (If the institution is unsure whether a visit is required, the Commission will advise the institution based on the information provided in both Part 1 and Part 2 of the change application.)*

Request to schedule a Change Visit.

Request to add a proposed change to an already scheduled visit. Specify type of visit and date scheduled: \_\_\_\_\_

Whether the change will be reviewed through a separate Change Visit or embedded in an already scheduled visit, the following schedule will apply.

- Part 1 of this change form must be submitted at least 4 months before the visit. If the visit has not already been scheduled, this filing will initiate the process of scheduling the visit.
- The institution files Part 2 of this change form at least 2 months before the scheduled visit. If the change will be embedded in an already scheduled visit, the form should be filed as an attachment to the report prepared for that visit. Provide URLs to the Faculty/Staff Handbook and Catalog below.

Faculty/Staff Handbook URL: <http://www.kirtland.edu/human-resources>

Catalog URL: <http://catalog.kirtland.edu/>

*Please note: HLC plans to update the change forms annually, on or about September 1 of each year. However, if a Change Application form was accessed more than 90 days prior to filing, it is recommended that the institution visit <http://www.hlcommission.org/change> to ensure that there have been no changes in the application form in the intervening time.*

## Part 2: Topic Specific Questions

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An institution should submit a separate application for each requested clock to credit conversion or substantial increase or decrease in the number of credit hours required for a program. Each program should be identified by using the Classification of Instructional Programs terminology (CIP codes). CIP codes are established by the U.S. Department of Education's National Center for Education Statistics as a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity. More information is available at <http://nces.ed.gov/ipeds/cipcode/>.

Attach the "Substantive Change Application–General Questions" as page one of your application. That completed form and your answers to the questions below will constitute your request for approval of a substantive change. It will be provided to future HLC review processes.

Name of Institution: [Kirtland Community College](#)

### Section A. Characteristics of the Change Requested

1. Identify the basic characteristics of the educational program(s) affected by the change as indicated below:
  - a) the full name of the program, the specific degree (if applicable) or the instructional level (if not a degree program), and the six-digit CIP code XX.XXXX of the program

Cosmetology - Certificate of Completion - 12.0401

- b) the total number of clock or credit hours (indicate whether semester or quarter) currently required for completion of the program

1500 clock hours; 37.5 credit hours - semester; please follow the link below for complete details of the existing Certificate of Completion in Cosmetology. <http://www.kirtland.edu/programs-we-offer/cosmetology-degrees>

- c) normal or typical length of time for students to complete the program

45 weeks

- d) the proposed change in the program and the proposed effective date for the change in the program

1536 clock hours; 40 credit hours - effective Fall 2016/2017 semester - see attached paperwork, pages 2 through 7.

2. If the proposed program is offered via alternative delivery method (hybrid, online, ITV, accelerated, etc.), identify the maximum number of credit or clock hours that may be currently earned in the program through each method.

This program is not offered in an alternative delivery method.

3. Identify whether credit for evidence of prior learning (other than credit transferred from formal courses or awarded from Advanced Placement) is possible for this program, and if so, for what number of credits.

When students transfer they have the possibility of receiving prior learning credit. Transfer students have to provide proof of their hours from the State Board. The full-time Cosmetology instructor then runs the student through testing to ensure the student obtained the knowledge associated with that amount of credit hours. The Cosmetology instructor then plugs the student into the right section.

## Section B. Clock to Credit Hour Conversions

4. What is the college's formula for clock hour to credit hour conversion? Please specify semester or quarter credit hours for each and include references to classroom hours, lab hours, etc., in reference to clock hours.

Students take 16 sections of Cosmetology classes, each is 2.5 credit hours and 4 contact hours with each equalling 96 clock hours. Clock to credit conversion of 1536 clock divided by 37.5 equals 40.96 credits. Seeking approval for 40 credit hour program. Please see page 3 of 7 in the attachment.

5. What is the rationale for the change?

This will allow Kirtland Community College to better offer the Certificate of Cosmetology program to meet the needs of our students. A part-time program is needed based on the advice of the local salons that have representation on our advisory committee. Recent changes to federal regulatory language permit the College to offer as a credit hour program if it meets accreditor and state approval. See page 1 of 7 in the

attachment that contains the letter of approval for this change from the State of Michigan.

6. List the courses in the program. Include brief descriptions of each course and Identify clock hours and credit hour conversions for each.

Please see the attached document - pages 3 through 7.

7. Outline the institution's plans for transitioning the program from clock to credit hours and any academic implications from that conversion for students.

Apply for HLC approval, apply for U.S. Department of Education approval. Once approved beginning Fall 2016/2017 offering the program to students as credit hours only and the managing of financial aid will be based on credit hours. Any student currently in the lower credit hour program will be able to complete their program in the prior format in the 2016/2017 school year. Please see the attached documentation pages 3 through 7 for more information on the change.

### **Section C. Substantial Increase or Decrease in the Credit Hours for an Academic Program**

8. Identify the academic programs that will have an increase or decrease in credit hours. Please specify semester or quarter credit hours for each.

The addition of COS 13600 Cosmetology XVI for 2.5 credit hours. Changing the total hours required of the student from 37.5 credit hours to 40 credit hours. Please see pages 3 through 7 of the attached documentation.

9. What is the rationale for the change?

Based on the recommendation of the salons that have representation on Kirtland's Cosmetology program advisory committee, students need to have the benefit of a job shadowing experience prior to completing the program. See page 3 of 7 in the attached documentation.

10. List the courses in each program and their current and future credit hour designations. Include any new courses that may be added as a result of this change and indicate any courses that may be deleted from the program as a result of the credit hour change.

Please see pages 3 through 7 of the attached documentation.

11. What will be the impact of the change on the objectives, structure, and time involved in the course? For example, if all courses are increasing from three hours to four hours, how is the institution ensuring that the objectives of each course are commensurate with a four-hour course and that students will have an appropriate amount of time in instruction, homework, etc.?

There is no change to the existing Cosmetology courses. Cosmetology I through Cosmetology XV will

have no change in objectives, structure, syllabi or what students learn in each of the courses. Please see the website [http://catalog.kirtland.edu/preview\\_program.php?catoid=1&poid=48&returnto=12](http://catalog.kirtland.edu/preview_program.php?catoid=1&poid=48&returnto=12) for the current requirements and pages 3 to 7 in the attached documentation of the proposed addition to the program.

12. What will be the impact of the change on tuition and on the institution's overall financial situation?

Students will need to pay an additional 2.5 credit hours at the college's current tuition rate (in-district, out-of-district, out-of-state). This will have a minimal impact to the overall revenue from tuition to the college as a whole.

13. Outline the institution's plans for transitioning the program to the new credit hour model and any academic implications from that change for students.

Students currently in the Certificate of Cosmetology program are only allowed to be full-time and will complete under the 2015/2016 catalog requirements - [http://catalog.kirtland.edu/preview\\_program.php?catoid=1&poid=48&returnto=12](http://catalog.kirtland.edu/preview_program.php?catoid=1&poid=48&returnto=12)  
New students - both part-time and full-time will be under the 2016-2017 catalog when they enroll in the Fall 2016/2017 semester.

#### **Section D. Institutional Staffing and Faculty Support**

14. What will be the impact of the change on number of faculty involved in providing the instruction for the program?

No change.

15. What will the impact of the change have on faculty workload?

No change to existing. Faculty load is based on classes taught. There will only be one additional course that is a job shadow at a local salon, combined with a simulated State licensure examination - see pages 3 through 7 of the attached documentation.

#### **Section E. Student Support**

16. What library and information resources—general as well as specific to the program(s)—and staffing and services are in place to support the revised program?

No change.

#### **Section F. Evaluation and Assessment**

17. How will you monitor and evaluate the overall effectiveness and quality of the program under the new credit hour model?

In addition to tracking the number of graduates of the program, Kirtland tracks the percentage of students that pass the State of Michigan's Cosmetology licensure examination after completing the Certificate. This percentage is required in Kirtland's annual Perkins Core Indicator reporting to the State of Michigan.

Kirtland additionally monitors through the graduate follow up survey feedback from students on job/career satisfaction and applicable employment. Kirtland will also track changes in ratios when Gainful Employment figures are released for this Certificate program.

18. Explain how the results of evaluation will be used to improve the program's curriculum, teaching, services, and operations.

No change from the current model. In addition to Kirtland's annual internal program review process and the program advisory committee made up of local salon owners that practice in the field of cosmetology and employ our cosmetology graduates; this program already undergoes a Program Review of Occupational Education (PROE), as mandated by the State of Michigan, every three years in order to remain eligible to receive Perkins funds.

19. How will you assess and improve the learning of students in the program to ensure that they achieve the levels of performance that you expect and that your stakeholders require?

No change from the current assessment of student learning and review of the program through Kirtland's program review process, advisory committee review and PROE review.



RICK SNYDER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
LANSING

MIKE ZIMMER  
DIRECTOR

February 23, 2016

Kirtland Community College  
10775 N St Helen  
Roscommon MI 48653

Re: Cosmetology School Program – License No. 2707000048  
Change from clock hour program to credit hour program

Dear Licensee:

The Department is in receipt of your inquiry regarding a cosmetology program change. The State of Michigan requires a cosmetology school to meet statute curriculum requirements and for students to obtain 1500 hours of training.

Kirtland Community College is changing their cosmetology program from clock hours to credits hours, stating all hours and curriculums will be maintained as required by the State of Michigan. This letter serves as written verification that a change from clock hours to credit hours meets statute requirements for curriculum and students 1500 training hours.

If you have any questions please contact the Licensing Division at (517) 241-9288 or by sending an email to [BPLHelp@michigan.gov](mailto:BPLHelp@michigan.gov).

Sincerely,

Sue Cooper, Licensing Technician  
Bureau of Professional Licensing  
Licensing Division



Nick Baker &lt;nick.baker@kirtland.edu&gt;

---

**COS**

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Julie Lavender <julie.lavender@kirtland.edu>  
To: Nick Baker <nick.baker@kirtland.edu>

Wed, Feb 24, 2016 at 9:14 AM

Nick,  
Attached are the Cosmetology changes.

After a recommendation from CIC at the February meeting I approved these changes as the V.P. of Instructional Services.

—  
Julie Lavender, Ed.D., RNC-MNN  
Vice President of Instructional Services  
Kirtland Community College  
989-275-5000 ext. 298



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 **COS.pdf**  
123K



Previous credit hour program: 16 section of Cos, each section 2.5 credit hours and 4 contact hours but each will be 96 clock hours. A full time student will have to complete 480 clock hours. The fewer hours will be easier on the students. It also means a 16<sup>th</sup> section will be needed. As part of the last section student s will be required to do job shadowing. At 1500 clock hours they would still get the State Board paper work and would spend the remaining 36 clock hours in a Salon doing a job shadow. The salons from our advisory committee have commented that they wish this was an option for the students. The extra 36 hours would be beneficial to the students. It allows them to spend 36 hours in a partnered salon to experience a “real” salon atmosphere. The full time break down would look something like this: (Each semester holds about 518 clock hours if we use Kirtland’s calendar. This allows for enough time to finish 5 sections).

Fall 2016      Cos 12100-96 hours  
                     Cos 12200- 96 hours  
                     Cos 12300- 96 hours  
                     Cos 12400-96 hours  
                     Cos 12500-96 hours  
                                   480 total hours

Winter 2016   Cos 12600-96 hours  
                     Cos 12700- 96 hours  
                     Cos 12800- 96 hours  
                     Cos 12900-96 hours  
                     Cos 13000-96 hours  
                                   960 total hours

Summer 2017 10 weeks (336 hours available)  
                     Cos 13100 96 hours  
                     Cos 13200 96 hours  
                     Cos 13300 96 hours  
                                   1248 total hours

Fall 2017 They would still be full time attendance but would complete hours around the end of Oct  
                     Cos 13400 96 hours  
                     Cos 13500 96 hours  
                     Cos 13600 96 hours  
                                   1536 total hours

**COSMETOLOGY**

Certificate of Completion (CCOS1)

**Minimum Credits: 40****Contact Hours: 64**

Kirtland's certificate program in cosmetology is designed to provide specialized instruction and practical application for employment in beauty salons of Cosmetology. To obtain the required 1500 clock hours required to take the Cosmetology State Board Exam, students will have to take 16 sections, where each section requires a completion of 96 clock hours. During COS-13600, qualifying students will receive a State Board Exam application and will be required to do 36 hours of a job shadow experience. This program prepares students to successfully pass the Michigan State Board Exam, which is required by law to practice cosmetology in Michigan. Job placement for this program is excellent. The courses are taught in modern facilities utilizing cutting-edge equipment. Students wanting to continue in this program may pursue an Associate in Applied Science-Cosmetology degree after obtaining a license.

**We welcome high school students into cosmetology programs.**

<b>COSMETOLOGY PROGRAM REQUIREMENTS</b>			
<b>Course</b>	<b>Title</b>	<b>Credits</b>	<b>Contact Hours</b>
COS-12100	Cosmetology I	2.5	4
COS-12200	Cosmetology II	2.5	4
COS-12300	Cosmetology III	2.5	4
COS-12400	Cosmetology IV	2.5	4
COS-12500	Cosmetology V	2.5	4
COS-12600	Cosmetology VI	2.5	4
COS-12700	Cosmetology VII	2.5	4
COS-12800	Cosmetology VIII	2.5	4
COS-12900	Cosmetology IX	2.5	4
COS-13000	Cosmetology X	2.5	4
COS-13100	Cosmetology XI	2.5	4
COS-13200	Cosmetology XII	2.5	4
COS-13300	Cosmetology XIII	2.5	4
COS-13400	Cosmetology XIV	2.5	4
COS-13500	Cosmetology XV	2.5	4
COS-13600	Cosmetology XVI	2.5	4
<b>Program Credits/Contact Hours:</b>		<b>40</b>	<b>64</b>

*Suggested sequence of courses:*

<b>Year 1 Fall—12.5 credits</b> COS-12100—Cosmetology I COS-12200—Cosmetology II COS-12300—Cosmetology III COS-12400—Cosmetology IV COS-12500—Cosmetology V	<b>Year 1 Winter—12.5 credits</b> COS-12600—Cosmetology VI COS-12700—Cosmetology VII COS-12800—Cosmetology VIII COS-12900—Cosmetology IX COS-13000—Cosmetology X	<b>Year 1 Summer—7.5 credits</b> COS-13100—Cosmetology XI COS-13100—Cosmetology XII COS-13300—Cosmetology XIII
<b>Year 2 Fall—7.5 credits</b> COS-13400—Cosmetology XIV COS-13500—Cosmetology XV COS-13600—Cosmetology XVI		

# COSMETOLOGY

## *Certificates*

*Cosmetology*

*Esthetician*

*Associate in Applied Science*

*Cosmetology*

## *Partnership Programs*

*Davenport University*

*Franklin University*

See information on our partnership programs on the web at

<http://www.kirtland.edu/students/transferfrom/>

**We welcome high school students into cosmetology programs.**

### **Foundation**

Kirtland Community College recognizes the importance of students possessing basic academic skills in English, reading, and mathematics in order to successfully complete college-level courses. Therefore, all entry-level students are required to demonstrate their proficiency in basic academic skills, as these courses are the foundation for success in all programs. The student's advisor will indicate which of the following courses need to be taken based on ACT scores or COMPASS placement testing results. It is highly recommended that students take these courses during the first semester in order to prepare for the road ahead, as well as possibly satisfying prerequisites needed for more advanced courses. Specific courses needed may be tracked below. *Students must plan additional time to complete their program requirements if placement results demonstrate the need to begin with preparatory courses (courses numbered less than 10000).*

ENG-10000 Writing Lab (if required) Mathematics: \_\_\_\_\_

English: \_\_\_\_\_ Reading: \_\_\_\_\_

**For more information, please contact the Cosmetology Department.**

Shannon Weaver 989-275-5000, extension 274

**COSMETOLOGY Minimum Credits: 40**

**Certificate of Completion (CCOS1) Contact Hours: 64**

### **Introduction**

Kirtland's certificate program in cosmetology is designed to provide specialized instruction and practical application for employment in beauty salons of Cosmetology. To obtain the required 1500 clock hours required to take the Cosmetology State Board Exam student will have to take 16 sections, where each section requires a completion of 96 clock hours. During Cos 13600 qualifying students will receive a State Board exam application and will be required to do 36 hours of a job shadow experience. This program prepares students to successfully pass the Michigan State Board Exam, which is required by law to practice cosmetology in Michigan. Job placement for this program is excellent. The courses are taught in modern facilities utilizing cutting-edge equipment. Students wanting to continue in this program may pursue an Associate in Applied Science – Cosmetology degree after obtaining a license.

**We welcome high school students into cosmetology programs.**

### **Course Title Credits**

COS-12100 Cosmetology I 2.5

COS-12200 Cosmetology II 2.5

COS-12300 Cosmetology III 2.5

COS-12400 Cosmetology IV 2.5

COS-12500 Cosmetology V 2.5

COS-12600 Cosmetology VI 2.5

COS-12700 Cosmetology VII 2.5

COS-12800 Cosmetology VIII 2.5

COS-12900 Cosmetology IX 2.5

COS-13000 Cosmetology X 2.5

COS-13100 Cosmetology XI 2.5

COS-13200 Cosmetology XII 2.5

COS-13300 Cosmetology XIII 2.5

COS-13400 Cosmetology XIV 2.5

COS-13500 Cosmetology XV 2.5

COS-13600 Cosmetology XVI 2.5

**COS 12100 Cosmetology I (96 hours)**

This course covers orientation, career information, state laws and regulations, professional image, first aid, chemistry, electricity, job-seeking, and professional ethics. Students must pass this course with a minimum grade of "C-" to advance to the next section.

**(F,W,S) 2.5 (0.5-4)**

**COS 12200 Cosmetology II (96 hours)**

This course covers health, public sanitation methods, chemical agents, types, classifications of bacterial growth, biology, infections, infection control, products, tools, equipment use and safety, bacteriology, and decontamination. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12100.

**(F,W,S) 2.5 (0.5-4)**

**COS 12300 Cosmetology III**

This course covers principles and techniques of treatment and disorders of the hair and scalp and related chemistry, shampoos, rinses, and scalp treatments. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12200.

**(F,W,S) 2.5 (0.5-4)**

**COS 12400 Cosmetology IV**

This course covers the principles and techniques of wet styling, blow dry and waving, finger waving, and hairdressing. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12300.

**(F,W,S) 2.5 (0.5-4)**

**COS 12500 Cosmetology V**

This course covers the principles and techniques of sectioning, removing length or bulk with a razor, scissors, clippers, or shears in haircutting. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12400.

**(F,W,S) 2.5 (0.5-4)**

**COS 12600 Cosmetology VI**

This course covers the principles and techniques of temporary, semi-permanent, deposit-only, and permanent colors, bleaching, tinting, toning, frosting, special effects, and problems in haircoloring. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12500.

**(F,W,S) 2.5 (0.5-4)**

**COS 12700 Cosmetology VII**

This course covers the principles and techniques of sectioning, wrapping, processing of chemicals, and rearranging the hair. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12600.

**(F,W,S) 2.5 (0.5-4)**

**COS 12800 Cosmetology VIII**

This course covers the principles and techniques of sectioning, curling, and relaxing hair as a texture service. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12700.

**(F,W,S) 2.5 (0.5-4)**

**COS 12900 Cosmetology IX**

This course covers the principles and techniques of advanced nails with nail art. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12800.

**(F,W,S) 2.5 (0.5-4)**

**COS 13000 Cosmetology X**

This course covers the principles and techniques of massage, manicuring, and pedicuring. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12900.

**(F,W,S) 2.5 (0.5-4)**

**COS 13100 Cosmetology XI**

This course covers the principles and techniques of skin chemical procedures, massage, and facial treatments. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13000.

**(F,W,S) 2.5 (0.5-4)**

**COS 13200 Cosmetology XII**

This course covers the principles and techniques of cosmetic application, artificial eyelashes, removal of unwanted hair, and lash and brow tinting. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13100.

**(F,W,S) 2.5 (0.5-4)**

**COS 13300 Cosmetology XIII**

This course covers the principles and techniques of light therapy. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13200.

**(F,W,S) 2.5 (0.5-4)**

**COS 13400 Cosmetology XIV**

This course covers the fundamentals of business management, opening a salon, and business plans. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13300.

**(F,W,S) 2.5 (0.5-4)**

**COS 13500 Cosmetology XV**

This course covers the principles and techniques of written agreements, licensing requirements and regulations, laws, salon operations, policies, practices, compensation packages, payroll deductions, telephone use, advertising, sales, communication, public/human relations, insurance, and salon safety. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13400.

**(F,W,S) 2.5 (0.5-4)**

**COS 13600 Cosmetology XVI**

This course covers theory review, preparation for the final test and practice of all curriculum, and a simulated state board exam. Students are also required to complete 36 hours in a job shadowing experience at a licensed salon.

Prerequisite: COS-13500.

**(F,W,S) 2.5 (0-4)**

# Supplement A4



FEDERAL STUDENT AID  START HERE. GO FURTHER.™

## UNITED STATES DEPARTMENT OF EDUCATION

### FEDERAL STUDENT AID SCHOOL ELIGIBILITY CHANNEL

## PROGRAM PARTICIPATION AGREEMENT

Effective Date of Approval: The date on which this Agreement is signed on behalf of the Secretary of Education

Approval Expiration Date: **March 31, 2020**

Reapplication Date: **December 31, 2019**

Name of Institution: **Kirtland Community College**

Address of Institution: **10775 North Saint Helen Road  
Roscommon, MI 48653-0000**

OPE ID Number: **00717100**

DUNS Number: **079295150**

Taxpayer Identification Number (TIN): **381855318**

**The execution of this Agreement by the Institution and the Secretary is a prerequisite to the Institution's initial or continued participation in any Title IV, HEA Program.**

The postsecondary educational institution listed above, referred to hereafter as the "Institution," and the United States Secretary of Education, referred to hereafter as the "Secretary," agree that the Institution may participate in those student financial assistance programs authorized by Title IV of the Higher Education Act of 1965, as amended (Title IV, HEA Programs) indicated under this Agreement and further agrees that such participation is subject to the terms and conditions set forth in this Agreement. As used in this Agreement, the term "Department" refers to the U.S. Department of Education.

### SCOPE OF COVERAGE

This Agreement applies to all locations of the Institution as stated on the most current ELIGIBILITY AND CERTIFICATION APPROVAL REPORT issued by the Department. This Agreement covers the Institution's eligibility to participate in each of the following listed Title IV, HEA programs, and incorporates by reference the regulations cited.

- **FEDERAL PELL GRANT PROGRAM**, 20 U.S.C. §§ 1070a *et seq.*; 34 C.F.R. Part 690.
- **FEDERAL FAMILY EDUCATION LOAN PROGRAM**, 20 U.S.C. §§ 1071 *et seq.*; 34 C.F.R. Part 682.
- **FEDERAL DIRECT STUDENT LOAN PROGRAM**, 20 U.S.C. §§ 1087a *et seq.*; 34 C.F.R. Part 685.
- **FEDERAL PERKINS LOAN PROGRAM**, 20 U.S.C. §§ 1087aa *et seq.*; 34 C.F.R. Part 674.
- **FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT PROGRAM**, 20 U.S.C. §§ 1070b *et seq.*; 34 C.F.R. Part 676.
- **FEDERAL WORK-STUDY PROGRAM**, 42 U.S.C. §§ 2751 *et seq.*; 34 C.F.R. Part 675.
- **ACADEMIC COMPETITIVENESS GRANT AND NATIONAL SCIENCE AND MATHEMATICS ACCESS TO RETAIN TALENT GRANT PROGRAMS**, 20 U.S.C. §§ 1070a-1 *et seq.*; 34 C.F.R. Part 691.
- **IRAQ AND AFGHANISTAN SERVICE GRANT**, 20 U.S.C. §§ 1070d *et seq.*

## GENERAL TERMS AND CONDITIONS

1. The Institution understands and agrees that it is subject to and will comply with the program statutes and implementing regulations for institutional eligibility as set forth in 34 C.F.R. Part 600 and for each Title IV, HEA program in which it participates, as well as the general provisions set forth in Part F and Part G of Title IV of the HEA, and the Student Assistance General Provisions regulations set forth in 34 C.F.R. Part 668.  
*The recitation of any portion of the statute or regulations in this Agreement does not limit the Institution's obligation to comply with other applicable statutes and regulations.*

2.
  - a. The Institution certifies that on the date it signs this Agreement, it has a drug abuse prevention program in operation that it has determined is accessible to any officer, employee, or student at the Institution.
  - b. The Institution certifies that on the date it signs this Agreement, it is in compliance with the disclosure requirements of Section 485(f) of the HEA (Campus Security Policy and Campus Crime Statistics).

3. The Institution agrees to comply with --
  - a. Title VI of the Civil Rights Act of 1964, as amended, and the implementing regulations, 34 C.F.R. Parts 100 and 101 (barring discrimination on the basis of race, color or national origin);
  - b. Title IX of the Education Amendments of 1972 and the implementing regulations, 34 C.F.R. Part 106 (barring discrimination on the basis of sex);
  - c. The Family Educational Rights and Privacy Act of 1974 and the implementing regulations, 34 C.F.R. Part 99;
  - d. Section 504 of the Rehabilitation Act of 1973 and the implementing regulations, 34 C.F.R. Part 104 (barring discrimination on the basis of physical handicap); and
  - e. The Age Discrimination Act of 1975 and the implementing regulations, 34 C.F.R. Part 110.
  - f. The Standards for Safeguarding Customer Information, 16 C.F.R. Part 314, issued by the Federal Trade Commission (FTC), as required by the Gramm-Leach-Bliley (GLB) Act, P.L. 106-102. These Standards are intended to ensure the security and confidentiality of customer records and information. The Secretary considers any breach to the security of



student records and information as a demonstration of a potential lack of administrative capability as stated in 34 C.F.R. 668.16(c). Institutions are strongly encouraged to inform its students and the Department of any such breaches.

4. The Institution acknowledges that 34 C.F.R. Parts 602 and 667 require accrediting agencies, State regulatory bodies, and the Secretary to share information about institutions. The Institution agrees that the Secretary, any accrediting agency recognized by the Secretary, and any State regulatory body may share or report information to one another about the Institution without limitation.
5. The Institution acknowledges that the HEA prohibits the Secretary from recognizing the accreditation of any institution of higher education unless that institution agrees to submit any dispute involving the final denial, withdrawal, or termination of accreditation to initial arbitration prior to any other legal action.

### **SELECTED PROVISIONS FROM GENERAL PROVISIONS REGULATIONS, 34 C.F.R. PART 668.14**

An institution's program participation agreement applies to each branch campus and other location of the institution that meets the applicable requirements of this part unless otherwise specified by the Secretary.

(b) By entering into a program participation agreement, an institution agrees that--

(1) It will comply with all statutory provisions of or applicable to Title IV of the HEA, all applicable regulatory provisions prescribed under that statutory authority, and all applicable special arrangements, agreements, and limitations entered into under the authority of statutes applicable to Title IV of the HEA, including the requirement that the institution will use funds it receives under any Title IV, HEA program and any interest or other earnings thereon, solely for the purposes specified in and in accordance with that program;

(2) As a fiduciary responsible for administering Federal funds, if the institution is permitted to request funds under a Title IV, HEA program advance payment method, the institution will time its requests for funds under the program to meet the institution's immediate Title IV, HEA program needs;

(3) It will not request from or charge any student a fee for processing or handling any application, form, or data required to determine a student's eligibility for, and amount of, Title IV, HEA program assistance;

(4) It will establish and maintain such administrative and fiscal procedures and records as may be necessary to ensure proper and efficient administration of funds received from the Secretary or from students under the Title IV, HEA programs, together with assurances that the institution will provide, upon request and in a timely manner, information relating to the administrative capability and financial responsibility of the institution to--

(i) The Secretary;

(ii) A guaranty agency, as defined in 34 CFR part 682, that guarantees loans made under the Federal Stafford Loan and Federal PLUS programs for attendance at the institution or any of the institution's branch campuses or other locations;

(iii) The nationally recognized accrediting agency that accredits or preaccredits the institution or any of the institution's branch campuses, other locations, or educational programs;

(iv) The State agency that legally authorizes the institution and any branch campus or other location of the institution to provide postsecondary education; and

(v) In the case of a public postsecondary vocational educational institution that is approved by a State agency recognized for the approval of public postsecondary vocational education, that State agency;

- (5) It will comply with the provisions of § 668.15 relating to factors of financial responsibility;
- (6) It will comply with the provisions of § 668.16 relating to standards of administrative capability;
- (7) It will submit reports to the Secretary and, in the case of an institution participating in the Federal Stafford Loan, Federal PLUS, or the Federal Perkins Loan Program, to holders of loans made to the institution's students under that program at such times and containing such information as the Secretary may reasonably require to carry out the purpose of the Title IV, HEA programs;
- (8) It will not provide any statement to any student or certification to any lender in the case of an FFEL Program loan, or origination record to the Secretary in the case of a Direct Loan Program loan that qualifies the student or parent for a loan or loans in excess of the amount that the student or parent is eligible to borrow in accordance with sections 425(a), 428(a)(2), 428(b)(1)(A) and (B), 428B, 428H and 455(a) of the HEA;
- (9) It will comply with the requirements of Subpart D of this part concerning institutional and financial assistance information for students and prospective students;
- (10) In the case of an institution that advertises job placement rates as a means of attracting students to enroll in the institution, it will make available to prospective students, at or before the time that those students apply for enrollment--
- (i) The most recent available data concerning employment statistics, graduation statistics, and any other information necessary to substantiate the truthfulness of the advertisements; and
- (ii) Relevant State licensing requirements of the State in which the institution is located for any job for which an educational program offered by the institution is designed to prepare those prospective students;
- (11) In the case of an institution participating in the FFEL Program, the institution will inform all eligible borrowers, as defined in 34 CFR part 682, enrolled in the institution about the availability and eligibility of those borrowers for State grant assistance from the State in which the institution is located, and will inform borrowers from another State of the source for further information concerning State grant assistance from that State;
- (12) It will provide the certifications described in paragraph (c) of this section;
- (13) In the case of an institution whose students receive financial assistance pursuant to section 484(d) of the HEA, the institution will make available to those students a program proven successful in assisting students in obtaining the recognized equivalent of a high school diploma;
- (14) It will not deny any form of Federal financial aid to any eligible student solely on the grounds that the student is participating in a program of study abroad approved for credit by the institution;
- (15) (i) Except as provided under paragraph (b)(15)(ii) of this section, the institution will use a default management plan approved by the Secretary with regard to its administration of the FFEL or Direct Loan programs, or both for at least the first two years of its participation in those programs, if the institution --
- (A) Is participating in the FFEL or Direct Loan programs for the first time; or
- (B) Is an institution that has undergone a change of ownership that results in a change in control and is participating in the FFEL or Direct Loan programs.
- (ii) The institution does not have to use an approved default management plan if --
- (A) The institution, including its main campus and any branch campus, does not have a cohort default rate in excess of 10 percent; and
- (B) The owner of the institution does not own and has not owned any other institution that had a cohort default rate in excess of 10 percent while that owner owned the institution.
- (16) For a proprietary institution, the institution will derive at least 10 percent of its revenues for each fiscal year from sources other than Title IV, HEA program funds, as provided in § 668.28(a) and (b), or be subject to sanctions described in § 668.28(c);
- (17) The Secretary, guaranty agencies and lenders as defined in 34 CFR part 682, nationally recognized accrediting agencies, the Secretary of Veterans Affairs, State agencies recognized under 34 CFR part 603 for the approval of public postsecondary vocational education, and State agencies

that legally authorize institutions and branch campuses or other locations of institutions to provide postsecondary education, have the authority to share with each other any information pertaining to the institution's eligibility for or participation in the Title IV, HEA programs or any information on fraud and abuse;

(18) It will not knowingly --

- (i) Employ in a capacity that involves the administration of the Title IV, HEA programs or the receipt of funds under those programs, an individual who has been convicted of, or has pled *nolo contendere* or guilty to, a crime involving the acquisition, use, or expenditure of Federal, State, or local government funds, or has been administratively or judicially determined to have committed fraud or any other material violation of law involving Federal, State, or local government funds;
- (ii) Contract with an institution or third-party servicer that has been terminated under section 432 of the HEA for a reason involving the acquisition, use, or expenditure of Federal, State, or local government funds, or that has been administratively or judicially determined to have committed fraud or any other material violation of law involving Federal, State, or local government funds; or
- (iii) Contract with or employ any individual, agency, or organization that has been, or whose officers or employees have been--

(A) Convicted of, or pled *nolo contendere* or guilty to, a crime involving the acquisition, use, or expenditure of Federal, State, or local government funds; or

(B) Administratively or judicially determined to have committed fraud or any other material violation of law involving Federal, State, or local government funds;

(19) It will complete, in a timely manner and to the satisfaction of the Secretary, surveys conducted as a part of the Integrated Postsecondary Education Data System (IPEDS) or any other Federal collection effort, as designated by the Secretary, regarding data on postsecondary institutions;

(20) In the case of an institution that is co-educational and has an intercollegiate athletic program, it will comply with the provisions of § 668.48;

(21) It will not impose any penalty, including, but not limited to, the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that the student borrow additional funds for which interest or other charges are assessed, on any student because of the student's inability to meet his or her financial obligations to the institution as a result of the delayed disbursement of the proceeds of a Title IV, HEA program loan due to compliance with statutory and regulatory requirements of or applicable to the Title IV, HEA programs, or delays attributable to the institution;

(22)(i) It will not provide any commission, bonus, or other incentive payment based in any part, directly or indirectly, upon success in securing enrollments or the award of financial aid, to any person or entity who is engaged in any student recruitment or admission activity, or in making decisions regarding the award of title IV, HEA program funds.

(A) The restrictions in paragraph (b)(22) of this section do not apply to the recruitment of foreign students residing in foreign countries who are not eligible to receive Federal student assistance.

(B) For the purpose of paragraph (b)(22) of this section, an employee who receives multiple adjustments to compensation in a calendar year and is engaged in any student enrollment or admission activity or in making decisions regarding the award of title IV, HEA program funds is considered to have received such adjustments based upon success in securing enrollments or the award of financial aid if those adjustments create compensation that is based in any part, directly or indirectly, upon success in securing enrollments or the award of financial aid.

(ii) Notwithstanding paragraph (b)(22)(i) of this section, eligible institutions, organizations that are contractors to eligible institutions, and other entities may make--

(A) Merit-based adjustments to employee compensation provided that such adjustments are not based in any part, directly or indirectly, upon success in securing enrollments or the award of financial aid; and

(B) Profit-sharing payments so long as such payments are not provided to any person or entity engaged in student recruitment or admission activity or in making decisions regarding the award of

title IV, HEA program funds.

(iii) As used in paragraph (b)(22) of this section,

(A) *Commission, bonus, or other incentive payment* means a sum of money or something of value, other than a fixed salary or wages, paid to or given to a person or an entity for services rendered.

(B) *Securing enrollments or the award of financial aid* means activities that a person or entity engages in at any point in time through completion of an educational program for the purpose of the admission or matriculation of students for any period of time or the award of financial aid to students.

(1) These activities include contact in any form with a prospective student, such as, but not limited to--contact through preadmission or advising activities, scheduling an appointment to visit the enrollment office or any other office of the institution, attendance at such an appointment, or involvement in a prospective student's signing of an enrollment agreement or financial aid application.

(2) These activities do not include making a payment to a third party for the provision of student contact information for prospective students provided that such payment is not based on--

(i) Any additional conduct or action by the third party or the prospective students, such as participation in preadmission or advising activities, scheduling an appointment to visit the enrollment office or any other office of the institution or attendance at such an appointment, or the signing, or being involved in the signing, of a prospective student's enrollment agreement or financial aid application; or

(ii) The number of students (calculated at any point in time of an educational program) who apply for enrollment, are awarded financial aid, or are enrolled for any period of time, including through completion of an educational program.

(C) *Entity or person engaged in any student recruitment or admission activity or in making decisions about the award of financial aid* means--

(1) With respect to an entity engaged in any student recruitment or admission activity or in making decisions about the award of financial aid, any institution or organization that undertakes the recruiting or the admitting of students or that makes decisions about and awards title IV, HEA program funds; and

(2) With respect to a person engaged in any student recruitment or admission activity or in making decisions about the award of financial aid, any employee who undertakes recruiting or admitting of students or who makes decisions about and awards title IV, HEA program funds, and any higher level employee with responsibility for recruitment or admission of students, or making decisions about awarding title IV, HEA program funds.

(D) *Enrollment* means the admission or matriculation of a student into an eligible institution.

(23) It will meet the requirements established pursuant to Part H of Title IV of the HEA by the Secretary and nationally recognized accrediting agencies;

(24) It will comply with the requirements of § 668.22;

(25) It is liable for all--

(i) Improperly spent or unspent funds received under the Title IV, HEA programs, including any funds administered by a third-party servicer; and

(ii) Returns any title IV, HEA program funds that the institution or its servicer may be required to make;

(26) If the stated objectives of an educational program of the institution are to prepare a student for gainful employment in a recognized occupation, the institution will--

(i) Demonstrate a reasonable relationship between the length of the program and entry level requirements for the recognized occupation for which the program prepares the student. The Secretary considers the relationship to be reasonable if the number of clock hours provided in the program does not exceed by more than 50 percent the minimum number of clock hours required for training in the recognized occupation for which the program prepares the student, as established by

the State in which the program is offered, if the State has established such a requirement, or as established by any Federal agency; and

(ii) Establish the need for the training for the student to obtain employment in the recognized occupation for which the program prepares the student.

(27) In the case of an institution participating in a Title IV, HEA loan program, the institution --

(i) Will develop, publish, administer, and enforce a code of conduct with respect to loans made, insured or guaranteed under the Title IV, HEA loan programs in accordance with 34 CFR 601.21; and

(ii) Must inform its officers, employees, and agents with responsibilities with respect to loans made, insured or guaranteed under the Title IV, HEA loan programs annually of the provisions of the code required under paragraph (b)(27) of this section;

(28) For any year in which the institution has a preferred lender arrangement (as defined in 34 CFR 601.2(b)), it will at least annually compile, maintain, and make available for students attending the institution, and the families of such students, a list in print or other medium, of the specific lenders for loans made, insured, or guaranteed under Title IV, of the HEA or private education loans that the institution recommends, promotes, or endorses in accordance with such preferred lender arrangement. In making such a list, the institution must comply with the requirements in 34 CFR 682.212(h) and 34 CFR 601.10;

(29) (i) It will, upon the request of an enrolled or admitted student who is an applicant for a private education loan (as defined in 34 CFR part 601.2(b)), provide to the applicant the self-certification form required under 34 CFR 601.11(d) and the information required to complete the form, to the extent the institution possesses such information, including --

(A) The applicant's cost of attendance at the institution, as determined by the institution under part F of Title IV, of the HEA;

(B) The applicant's estimated financial assistance, including amounts of financial assistance used to replace the expected family contribution as determined by the institution in accordance with Title IV, for students who have completed the Free Application for Federal Student Aid; and

(C) The difference between the amounts under paragraphs (b)(29)(i)(A) and (29)(i)(B) of this section, as applicable.

(ii) It will, upon the request of the applicant, discuss with the applicant the availability of Federal, State, and institutional student financial aid;

(30) The institution --

(i) Has developed and implemented written plans to effectively combat the unauthorized distribution of copyrighted material by users of the institution's network, without unduly interfering with educational and research use of the network, that include --

(A) The use of one or more technology-based deterrents;

(B) Mechanisms for educating and informing its community about appropriate versus inappropriate use of copyrighted material, including that described in § 668.43(a)(10);

(C) Procedures for handling unauthorized distribution of copyrighted material, including disciplinary procedures; and

(D) Procedures for periodically reviewing the effectiveness of the plans to combat the unauthorized distribution of copyrighted materials by users of the institution's network using relevant assessment criteria. No particular technology measures are favored or required for inclusion in an institution's plans, and each institution retains the authority to determine what its particular plans for compliance with paragraph (b)(30) of this section will be, including those that prohibit content monitoring; and

(ii) Will, in consultation with the chief technology officer or other designated officer of the institution--

(A) Periodically review the legal alternatives for downloading or otherwise acquiring copyrighted material;

(B) Make available the results of the review in paragraph (b)(30)(ii)(A) of this section to its students.

through a Web site or other means; and

(C) To the extent practicable, offer legal alternatives for downloading or otherwise acquiring copyrighted material, as determined by the institution; and

(31) The institution will submit a teach-out plan to its accrediting agency in compliance with 34 CFR 602.24(c), and the standards of the institution's accrediting agency upon the occurrence of any of the following events:

(i) The Secretary initiates the limitation, suspension, or termination of the participation of an institution in any Title IV, HEA program under 34 CFR 600.41 or subpart G of this part or initiates an emergency action under § 668.83.

(ii) The institution's accrediting agency acts to withdraw, terminate, or suspend the accreditation or preaccreditation of the institution.

(iii) The institution's State licensing or authorizing agency revokes the institution's license or legal authorization to provide an educational program.

(iv) The institution intends to close a location that provides 100 percent of at least one program.

(v) The institution otherwise intends to cease operations.

(c) In order to participate in any Title IV, HEA program (other than the LEAP and NEISP programs), the institution must certify that it--

(1) Has in operation a drug abuse prevention program that the institution has determined to be accessible to any officer, employee, or student at the institution; and

(2)(i) Has established a campus security policy in accordance with section 485(f) of the HEA; and

(ii) Has complied with the disclosure requirements of § 668.47 as required by section 485(f) of the HEA.

(d)(1) The institution, if located in a State to which section 4(b) of the National Voter Registration Act (42 U.S.C. 1973gg-2(b)) does not apply, will make a good faith effort to distribute a mail voter registration form, requested and received from the State, to each student enrolled in a degree or certificate program and physically in attendance at the institution, and to make those forms widely available to students at the institution.

(2) The institution must request the forms from the State 120 days prior to the deadline for registering to vote within the State. If an institution has not received a sufficient quantity of forms to fulfill this section from the State within 60 days prior to the deadline for registering to vote in the State, the institution is not liable for not meeting the requirements of this section during that election year.

(3) This paragraph applies to elections as defined in Section 301(1) of the Federal Election Campaign Act of 1971 (2 U.S.C. 431(1)), and includes the election for Governor or other chief executive within such State.

(e)(1) A program participation agreement becomes effective on the date that the Secretary signs the agreement.

(2) A new program participation agreement supersedes any prior program participation agreement between the Secretary and the institution.

(f)(1) Except as provided in paragraphs (g) and (h) of this section, the Secretary terminates a program participation agreement through the proceedings in subpart G of this part.

(2) An institution may terminate a program participation agreement.

(3) If the Secretary or the institution terminates a program participation agreement under paragraph (f) of this section, the Secretary establishes the termination date.

(g) An institution's program participation agreement automatically expires on the date that--

(1) The institution changes ownership that results in a change in control as determined by the Secretary under 34 CFR part 600; or

(2) The institution's participation ends under the provisions of § 668.26(a)(1), (2), (4), or (7).

(h) An institution's program participation agreement no longer applies to or covers a location of the

institution as of the date on which that location ceases to be a part of the participating institution.

## **WILLIAM D. FORD FEDERAL DIRECT LOAN PROGRAM**

If an institution participates in the William D. Ford Federal Direct Loan (Direct Loan) Program, the institution and its representatives shall comply with the statute, guidelines, and regulations governing the Title IV, Part D, William D. Ford Federal Direct Loan Program as required by 20 U.S.C. §§ 1087a *et seq.* (Part C) and 34 C.F.R. Part 685.

The institution will:

1. Provide for the establishment and maintenance of a Direct Loan Program at the Institution that will:

Identify eligible students who seek student financial assistance in accordance with Section 484 of the Higher Education Act of 1965, as amended (the HEA).

Estimate the need of students as required under Title IV, Part F of the HEA.

Provide a certification statement of eligibility for students to receive loans that will not exceed the annual or aggregate limits, except the Institution may exercise its authority, under exceptional circumstances identified by the Secretary, to refuse to certify a statement that permits a student to receive a loan, or certify a loan amount that is less than the student's determination of need, if the reason for such action is documented and provided in written form to a student.

Establish a schedule for disbursement of loan proceeds to meet the requirements of Section 428G of the HEA.

Provide timely and accurate information to the Secretary concerning 1) the status of borrowers while students are in attendance, any new information pertaining to the status of student borrowers of which the Institution becomes aware after the student leaves the Institution, and 2) the utilization of Federal funds under Title IV, Part D of the HEA at such times and in such manner as prescribed by the Secretary.

2. Comply with requirements established by the Secretary relating to student loan information with respect to the Direct Loan Program.
3. Provide that students at the Institution and their parents (with respect to such students) will be eligible to participate in the programs under Title IV, Part B of the HEA, Federal Family Education Loan programs, at the discretion of the Secretary for the period during which such Institution participates in the Direct Loan Program, except that a student or parent may not receive loans under both Title IV, Part B and Part D of the HEA for the same period of enrollment.
4. Provide for the implementation of a quality assurance system, as established by the Secretary and developed in consultation with Institutions of higher education, to ensure that the Institution is complying with program requirements and meeting program objectives.
5. Provide that the Institution will not charge any fees of any kind, regardless of how they are described, to student or parent borrowers for loan application, or origination activities (if

applicable), or the provision and processing of any information necessary for a student or parent to receive a loan under Title IV, Part D of the HEA.

6. Provide that the Institution will originate loans to eligible students and parents in accordance with the requirements of Title IV, Part D of the HEA and use funds advanced to it solely for that purpose (Option 2 only).
7. Provide that the note or evidence of obligation of the loan shall be the property of the Secretary (Options 2 and 1 only).
8. Comply with other provisions as the Secretary determines are necessary to protect the interest of the United States and to promote the purposes of Title IV, Part D of the HEA.
9. Accept responsibility and financial liability stemming from its failure to perform its functions under this Program Participation Agreement.

## **CERTIFICATIONS REQUIRED FROM INSTITUTIONS**

The Institution should refer to the regulations cited below. Signature on this Agreement provides for compliance with the certification requirements under 34 C.F.R. Part 82, "New Restrictions on Lobbying," 34 C.F.R. Part 84, "Governmentwide Requirements for Drug-Free Workplace (Financial Assistance)," 34 C.F.R. Part 85, "Governmentwide Debarment and Suspension (Nonprocurement)," and 34 C.F.R. Part 86, "Drug and Alcohol Abuse Prevention." Breach of any of these certifications constitutes a breach of this Agreement.

### **PART 1 CERTIFICATION REGARDING LOBBYING; DRUG-FREE WORKPLACE; DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS; AND DRUG AND ALCOHOL ABUSE PREVENTION**

#### *1. Lobbying*

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 34 C.F.R. Part 82, for persons entering into a Federal contract, grant or cooperative agreement over \$100,000, as defined at 34 C.F.R. Part 82, Sections 82.105, and 82.110, the undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form - LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The Institution shall require that the language of this certification be included in the award



documents for all subawards at all tiers (including subcontracts, subgrants and contracts under grants, loans and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

### ***2a. Drug-Free Workplace (Grantees Other Than Individuals)***

As required by the Drug-Free Workplace Act of 1988, and implemented at 34 C.F.R. Part 84, Subpart B, for grantees, as defined at 34 C.F.R. Part 84, Sections 84.200 through 84.230 -

The Institution certifies that it will or will continue to provide a drug-free workplace by:

- (a) Publishing a drug-free workplace statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an on-going drug-free awareness program to inform employees about-
  - (1) The dangers of drug abuse in the workplace;
  - (2) The Institution's policy of maintaining a drug-free workplace;
  - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
  - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will -
  - (1) Abide by the terms of the statement, and
  - (2) Notify the employer in writing if he or she is convicted for a violation of a criminal drug statute occurring in the workplace no more than five calendar days after such conviction;
- (e) Notifying the agency, in writing, within 10 calendar days after receiving notice under this subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to: Director, Grants and Contracts Service, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, DC 20202. Notice shall include the identification number(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted -
  - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1972, as amended; or
  - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

### ***2b. Drug-Free Workplace (Grantees Who Are Individuals)***

As required by the Drug-Free Workplace Act of 1988, and implemented at 34 C.F.R. Part 84, Subpart C, for recipients who are individuals, as defined at 34 C.F.R. Part 84, Section 84.300 -

1. As a condition of the grant, the Institution certifies that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity related to the award; and

2. If any officer or owner of the Institution is convicted of a criminal drug offense resulting from a violation occurring during the conduct of any award activity, the Institution will report the conviction, in writing, within 10 calendar days of the conviction, to: Director, Grants and Contracts Service, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, DC 20202. Notice shall include the identification number(s) of each affected grant.

### ***3. Debarment, Suspension, and Other Responsibility Matters***

As required by Executive Order 12549, Debarment and Suspension, and implemented at 34 C.F.R. Part 85, for prospective participants in primary covered transactions as defined at 34 C.F.R. Part 85, Sections 85.105 and 85.110, the Institution certifies that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public or private agreement or transaction; violation of Federal or State antitrust statutes; commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, receiving stolen property, making false claims, or obstruction of justice; or commission of any other offense indicating a lack of business integrity or business honesty that seriously and directly affects their present responsibility.
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.

### ***4. Drug and Alcohol Abuse Prevention***

As required by the Drug-Free Schools and Communities Act Amendments of 1989, which added section 1213 to the Higher Education Act, and implemented at 34 C.F.R. Part 86, the undersigned Institution certifies that it has adopted and implemented a drug prevention program for its students and employees that, at a minimum, includes--

1. The annual distribution in writing to each employee, and to each student who is taking one or more classes for any kind of academic credit except for continuing education units, regardless of the length of the student's program of study, of:
  - Standards of conduct that clearly prohibit, at a minimum, the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees on its property or as part of any of its activities.
  - A description of the applicable legal sanctions under local, State or Federal law for the unlawful possession or distribution of illicit drugs and alcohol.
  - A description of the health risks associated with the use of illicit drugs and the abuse of alcohol.
  - A description of any drug or alcohol counseling, treatment, or rehabilitation or re-entry programs that are available to employees or students.
  - A clear statement that the Institution will impose disciplinary sanctions on students and employees (consistent with local, State and Federal law), and a description of those sanctions, up to and including expulsion or termination of employment and referral for prosecution, for violation of the standards of conduct. A disciplinary sanction may include the completion of an appropriate rehabilitation program.

2. A biennial review by the Institution of its program to:

- Determine its effectiveness and implement changes to the program if they are needed.
- Ensure that its disciplinary sanctions are consistently enforced.

**PART 2 CERTIFICATION REGARDING DEBARMENT, SUSPENSION,  
INELIGIBILITY, AND VOLUNTARY EXCLUSION -- LOWER TIER  
COVERED TRANSACTIONS**

**The Institution is to obtain the signatures of Lower Tier Contractors on reproduced copies of the certification below, and retain the signed certification(s) in the Institution's files.**

<b>CERTIFICATION BY LOWER TIER CONTRACTOR</b> <b>(Before Completing Certification, Read Instructions for This Part 3, below)</b>	
<p>(1) The prospective lower tier participant certifies by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal Department or Agency.</p> <p>(2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.</p>	
<hr/> Name of Lower Tier Organization	<hr/> PR/Award Number or Project Name
<hr/> Name of Authorized Representative	<hr/> Title of Authorized Representative
<hr/> Signature of Authorized Representative	<hr/> Date

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to whom this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and

Voluntary Exclusion--Lower Tier Covered Transactions," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

**NOTE:** A completed copy of the "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions" form must be retained by the Institution. The original blank certification must be returned with the PPA.

**IN WITNESS WHEREOF**

the parties hereto have caused this Agreement to be executed by their duly authorized representatives.

Signature of Institution's  
Chief Executive Officer: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name and Title: \_\_\_\_\_  
\_\_\_\_\_

For the Secretary: \_\_\_\_\_ Date: \_\_\_\_\_  
U.S. Department of Education

# Supplement A5



# UNITED STATES DEPARTMENT OF EDUCATION

## SCHOOL PARTICIPATION MANAGEMENT DIVISION

### ELIGIBILITY AND CERTIFICATION APPROVAL REPORT

DATE PRINTED: 06/26/2017

PAGE A - 1

NAME AND ADDRESS OF INSTITUTION: Kirtland Community College  
10775 North Saint Helen Road  
Roscommon, MI 48653-0000

TYPE OF INSTITUTION: Public

CONGRESSIONAL DISTRICT: 04

DEPARTMENT REGION: 05

ACTION DATE: 05/30/2014

SCHOOL PARTICIPATION TEAM: 08

ACTION: Reapprove Elig/Full Cert

OPE ID: 00717100  
TIN: 381855318  
IPEDS ID: 170587  
DUNS NBR: 079295150

FEDERAL PELL GRANT ID: 007171  
FEDERAL FAMILY EDUCATION LOAN ID: 007171  
FEDERAL DIRECT STUDENT LOAN ID: G07171  
FEDERAL PERKINS LOAN ID: 002026  
FEDERAL SCHOOL CODE: 007171  
FEDERAL WORK STUDY ID: 002026  
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT ID: 002026

ACADEMIC CALENDAR: Clock Hours, Semester Hours

EDUCATIONAL PROGRAM LEVELS OFFERED:

Non-Degree (600-899 hours)  
Non-Degree 1 Year (900-1799 hours)  
Non-Degree 2 Years (1800-2699 hours)  
Associate's Degree

ELIGIBLE: Y  
INITIAL APPROVAL DATE: 05/12/1982  
CERTIFIED: Certified  
LOAN DEFERMENT: Y

WAIVER(S):

\*\*\* End of Waivers \*\*\*

PROGRAM PARTICIPATION AGREEMENT

EFFECTIVE DATE: 06/25/2014

EXPIRATION DATE: 03/31/2020

THE INSTITUTION IS ELIGIBLE TO APPLY FOR PARTICIPATION IN THE FOLLOWING PROGRAMS  
AUTHORIZED UNDER THE HIGHER EDUCATION ACT OF 1965, AS AMENDED:

TITLE I: Y	TITLE IV: Y	TITLE VII: Y	TITLE X: Y	TITLE XIII: Y
TITLE II: Y	TITLE V: Y	TITLE VIII: Y	TITLE XI: Y	TITLE XIV: Y
TITLE III: Y	TITLE VI: Y	TITLE XI: Y	TITLE XII: Y	TITLE XV: Y

Program: TEACH GRANT

Certified: DATE:

#### TITLE IV STUDENT FINANCIAL ASSISTANCE PROGRAMS

PROGRAM	CERTIFIED	APPROVAL DATE	PROGRAM	CERTIFIED	APPROVAL DATE
FWS Com Serv	Y	05/12/1982	FWS Priv Sec Empl	Y	05/12/1982



FWS Job Loc Dev	Y	05/12/1982	FFEL Staff	Y	05/12/1982
FFEL Staff Unsub	Y	05/12/1982	FFEL PLUS	Y	05/12/1982
FPerkins	Y	05/12/1982	FSEOG	Y	05/12/1982
FPell	Y	05/12/1982	FDSL P Staff	Y	07/01/1994
FDSL P Staff Unsub	Y	07/01/1994	FDSL P PLUS	Y	07/01/1994

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\*\*\*\* End of Section A \*\*\*\*



# UNITED STATES DEPARTMENT OF EDUCATION

## SCHOOL PARTICIPATION MANAGEMENT DIVISION

### ELIGIBILITY AND CERTIFICATION APPROVAL REPORT

DATE PRINTED: 06/26/2017

ACCREDITATION SECTION

PAGE B - 1

INSTITUTION NAME : Kirtland Community College

OPE ID : 007171 00

INSTITUTION TYPE : Public

### ACCREDITATION

<u>ACCREDITING AGENCY</u>	<u>DESIGNATION</u>	<u>SCOPE</u>	<u>EFFECTIVE YEAR</u>	<u>NUMBER OF YEARS</u>
North Central Assoc of Colleges and Schools, the Higher Learning Commission	Primary	Institutional	2011	6

\*\*\*\* End of Accreditation Section \*\*\*\*



# UNITED STATES DEPARTMENT OF EDUCATION

## SCHOOL PARTICIPATION MANAGEMENT DIVISION

### ELIGIBILITY AND CERTIFICATION APPROVAL REPORT

DATE PRINTED: 06/26/2017

STATE AUTHORIZATION SECTION

PAGE C - 1

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INSTITUTION NAME : Kirtland Community College

OPE ID : 007171 00

INSTITUTION TYPE : Public

### STATE AUTHORIZATION

#### STATE AGENCY

MI Board of Nursing State of Michigan Dept of Licensing & Regulation Bureau of Health Services Board

MI Michigan Dept. of Career Development, Office of Postsecondary Services

MI State Board of Education

Michigan Commission on Law Enforcement Standards

Michigan Department of Licensing and Regulatory Affairs

Michigan Dept of Community Health

Workforce Development Agency

\*\*\*\* End of State Authorization Section \*\*\*\*



# UNITED STATES DEPARTMENT OF EDUCATION

## SCHOOL PARTICIPATION MANAGEMENT DIVISION

### ELIGIBILITY AND CERTIFICATION APPROVAL REPORT

DATE PRINTED: 06/26/2017

OFFICIALS SECTION

PAGE D - 1

INSTITUTION NAME : Kirtland Community College

OPE ID : 007171 00

INSTITUTION TYPE : Public

### OFFICIALS

<u>NAME AND ADDRESS</u>	<u>TITLE</u>	<u>PHONE</u> <u>FAX</u>	<u>E-MAIL</u>
Quinn, Thomas 10775 North Saint Helen Road Roscommon, MI 48653	President	(989) 275-5000 253 (989) 275-6706	tom.quinn@ kirtland.edu
Bates, Christin 10775 North Saint Helen Road Roscommon, MI 48653-0000	Director of Financial Aid	(989) 275-5000 310 (989) 275-6789	christin.bates@ kirtland.edu
Broge, Jason 10775 North Saint Helen Road Roscommon, MI 48653	Chief Financial Officer	(989) 275-5000 240 (989) 275-8210	jason.broge@ kirtland.edu

\*\*\*\* End of Officials Section \*\*\*\*



# UNITED STATES DEPARTMENT OF EDUCATION

## SCHOOL PARTICIPATION MANAGEMENT DIVISION

### ELIGIBILITY AND CERTIFICATION APPROVAL REPORT

DATE PRINTED: 06/26/2017

ADDITIONAL LOCATIONS SECTION

PAGE E - 1

INSTITUTION NAME : Kirtland Community College

OPE ID : 007171 00

INSTITUTION TYPE : Public

#### ADDITIONAL LOCATIONS

<u>OPE ID</u>	<u>NAME AND ADDRESS</u>	<u>APPROVED FOR CERTIFICATION</u>	<u>INITIAL APPROVAL DATE</u>
00717101	Kirtland Community College - Gaylord Michigan Tech Educational Center 30 Livingston Blvd Gaylord, MI 49738-9999	Y	07/12/2001
00717103	Kirtland Community College - West Branch 2479 South M-76 West Branch, MI 48661-9079	Y	10/30/2009
00717104	Kirtland Community College - Grayling 4800 West Four Mile Road Grayling, MI 49738-9704	Y	09/06/2016

\*\*\*\* End of Additional Locations Section \*\*\*\*



# UNITED STATES DEPARTMENT OF EDUCATION

## SCHOOL PARTICIPATION MANAGEMENT DIVISION

### ELIGIBILITY AND CERTIFICATION APPROVAL REPORT

DATE PRINTED: 06/26/2017

EDUCATIONAL PROGRAMS SECTION

PAGE F - 1

INSTITUTION NAME : Kirtland Community College

OPE ID : 007171 00

INSTITUTION TYPE : Public

### EDUCATIONAL PROGRAMS

CIP	INSTITUTION'S PROGRAM NAME	APPROVED FOR CERTIFICATION	FULL CREDIT TO DEGREE	INITIAL APPROVAL	CREDIT HOURS	TYPE	CLOCK HOURS	DURATION IN WEEKS
11.9999	Computer Technician	N	Y	05/26/1999	33	Semester	960	40
11.9999	Webmaster	N	Y	04/01/2003	45	Semester	960	30
12.0401	Certificate of Completion Cosmetology	Y	Y	06/13/2016	40	Semester	1536	53
12.0401	Cosmetology	Y	Y	04/28/1995	40	Clock	1500	52
15.0303	Electrical Technology	Y	Y	10/15/2001	31	Semester		30
15.0607	Composite Materials Technology	Y	Y	07/22/2013	26	Semester	990	30
43.0107	Advanced Certificate - Police Academy	Y	Y	06/05/2013	21	Semester	680	17
43.0199	Corrections/Correctional Administration	N	Y	04/28/1995	32	Semester	900	30
43.0203	Fire Science	N	Y	04/30/2009	30	Semester		30
46.0201	Carpentry	N	Y	10/15/2001	32	Semester		30
47.0201	Heating, Venting, Air Conditioning & Refrigeration	Y	Y	10/15/2001	30	Semester		30
47.0399	Industrial Maintenance	N	Y	10/15/2001	40	Semester		30
47.0603	Automotive Technology Auto Body Specialist	N	Y	04/28/1995	53	Semester	960	40
47.0604	Auto/Automotive Mechanic/Technician	Y	Y	04/28/1995	53	Semester	1590	64
47.0605	Automotive Technology Diesel Service Specialist	Y	Y	09/16/2008	37	Semester		52
47.0606	Outdoor Power Engines	N	Y	01/26/2007	30	Semester		30
48.0501	CNC Machinist	Y	N	10/05/2015	30	Semester	1135	30

48.0501 Machine Tool Technology	N	Y	10/15/2001	39	Semester		30
48.0503 Machine Tool Operation	N	Y	04/28/1995	32	Semester	960	40
48.0508 Welder/Welding Technologist	N	Y	04/28/1995	30	Semester	900	40
48.0508 Welding and Fabricating	Y	Y	10/15/2001	32	Semester		30
50.0409 Graphic Design- Certificate	Y	Y	08/23/2002	36	Semester		30
51.0705 Medical Clerk	Y	Y	05/26/1999	32	Semester	1050	40
51.0708 Medical Transcription - Certificate	N	Y	08/23/2002	30	Semester		30
51.0712 Medical Receptionist	N	Y	04/28/1995	30	Semester	960	40
51.0714 Medical Billing and Coding	Y	Y	04/28/1995	36	Semester	960	40
51.0801 Medical Assistant	Y	Y	05/19/2017	31	Semester	1162	38
51.0805 Pharmacy Technology	Y	Y	07/23/2010	20	Semester		30
51.0904 Paramedic	N	Y	04/01/2003	52	Semester	960	30
51.0909 Surgical Technology	Y	Y	04/30/2009	48	Semester		30
51.0910 Advanced Certificate - Vascular Sonography	N	N	08/23/2012	12	Semester	450	15
51.3901 Practical Nurse (L.P.N. Training)	Y	Y	04/28/1995	36	Semester	1320	40
52.0201 General Business	N	Y	04/28/1995	32	Semester	960	40
52.0299 Entrepreneurship - Certificate	N	Y	08/23/2002	33	Semester		30
52.0301 Accounting Clerk	Y	Y	04/28/1995	30	Semester	960	40
52.0399 Accounting, Other	N	Y	04/28/1995	32	Semester	960	40
52.0401 Word Processing Specialist	N	Y	04/28/1995	32	Semester	960	40
52.0408 Office Assistant	N	Y	04/28/1995	30	Semester	960	40
52.0701 Small Business Management & Entrepreneurship	Y	Y	09/16/2008	35	Semester		30

\*\*\*\* End of Educational Programs Section \*\*\*\*



**START HERE**  
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**FEDERAL STUDENT AID**

# UNITED STATES DEPARTMENT OF EDUCATION

## SCHOOL PARTICIPATION MANAGEMENT DIVISION

### ELIGIBILITY AND CERTIFICATION APPROVAL REPORT

DATE PRINTED: 06/26/2017

SERVICER INFORMATION SECTION

PAGE H - 1

INSTITUTION NAME : Kirtland Community College

OPE ID : 007171 00

INSTITUTION TYPE : Public

### SERVICER INFORMATION

<u>SERVICER NAME</u>	<u>CONTACT NAME</u>	<u>SERVICES OFFERED</u>
American Student Assistance 100 Cambridge Street Boston, MA 02114	Betsy Mayotte	

\*\*\*\* End of Servicer Information Section \*\*\*\*

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# Supplement A6

Christin Bates, Kirtland's Director of Financial Aid, has been in the financial aid office since late 1995 and Kirtland has not had a DOE program review. Dale Shantz, former Director of Financial Aid, had been in the office since approximately 1987 and he had not had one either. Kirtland has had numerous reviews over the years by the State of Michigan on campus based programs (APTG, MEOG, Michigan Work Study - all now defunct), Michigan scholarship programs (TIP, Michigan Competitive - last one was in 2015 and loan program reviews when the FFELP program still existed.

The pages that follow are Kirtland's Academic Program Review document from December 2016.



# Kirtland Community College Academic Program Review

Program reviews are an essential part of institutional planning and development that assist in documenting and insuring that Kirtland Community College meets the ever changing needs of the community it serves. The outcome from the review is the foundation for systematic planning practices to be used for adding new programs, annually reviewing data pertaining to the vitality of programs, as well as the criteria for suspension and discontinuation of programs.

The purpose of this document is to provide the structure for an objective, timely and comprehensive program review that not only maintains but also improves academic programs and services. Academic programs shall be defined, for the purpose of these procedures, as any group of courses in similar subject areas. A rough outline would be to use the four-digit budget center; however, some 'programs' may combine several budget centers (e.g. 1110 Fine Arts and 1250 Media Productions) and others may break into more than one area of study (e.g. 1130 History and Education).

## Goals for Program Review

1. Provide a formal, systematic, data-based approach for the evaluation of new certificates and degrees that will help the college better serve the needs of the community, as well as the economic and workforce development of the area.
2. Annually provide pertinent, readily available data on each program that allows faculty and administrators to assess the strengths and opportunities for improvement of programs.
3. Provide criteria to be used when evaluating the annually collected assessment data that would determine possible suspension or discontinuation of certificates, degrees or programs.

## New Program Development

The development of new academic programs is vital to the growth and well-being of the College and the economy of the area it serves. The following outline provides a clear and concise process that spells out the new programming opportunities in a fair and objective format. It is designed to encourage new ideas and directions, clarify responsibilities and put the resources of the institution behind the best ideas.

All proposals for new programs must be presented in writing to the Dean of Instruction and outlined by the following section headings containing the appropriate information.

- a. Program Title and Degree
- b. General Program Description – provide a brief description of the program; does it replace an existing program? what are the compelling reasons to offer this program?
- c. Need for Program and Student Interest
  - i. Corporate demand – advisory committee input
  - ii. Employment projections – US Dept. of Labor, Bureau of Labor Statistics; letters of support; needs study and population surveyed
  - iii. Student Interest
- d. Program Goals, Objectives and Student Learning Outcomes
- e. Program Curriculum and New Course descriptions – including credit hours; admission criteria, if appropriate
- f. Program Faculty Needs and Credentials
- g. Program Resources – instructional equipment; facilities; labs; library needs; technical support needs
- h. Program Budget – number of faculty; printing; supplies; equipment; travel; if state approved, would this program be Perkins eligible?
- i. Program Duplication (similar programs or programs at other colleges) – transferability

The Dean will review proposals and may ask for further clarifications before passing it along to the Curriculum and Instruction Committee, the President and College Administrative Team. If the proposal is supported by the faculty and administrator, it will then be presented to the Board of Trustees for approval.

## Annual Data Review for all Programs

Continuous quality improvement (CQI) requires the systematic collection of pertinent, measurable data to review, analyze and act upon. The emphasis will be to use the data to improve program offerings so we can better serve our students and local communities. At this time this review is independent of the state required review of all occupationally approved programs on a three-year rotation pertaining to the Perkins legislation (PROE). It is also independent of any program accreditation requirements from outside licensing agencies.

The following data elements will annually be collected by the Dean of Instruction's office from the appropriate sources. Report summaries will be presented to the faculty, the President, College Administrative Team and the Board of Trustees.

The data will be collected by programs at the end of each winter semester and include data for the previous fall and winter semesters. Data will be compiled over the summer and presented to the faculty in August when they return.

1. Course offerings
  - a. Class size
  - b. Number of sections
  - c. Total enrollment per course
  - d. Number of independent studies
  - e. Number of DFW
2. Average class size for program – compiled by the Dean of Instruction's office and averaged over the two semesters (fall and winter) or different course areas that make up a program, e.g. Business, Accounting, Marketing and Economics are all averaged together.
3. Program Cost Out – the source of the enrollment credit hours and the Faculty FTE (computed as the sum of the FT FTE, FT Overload and PT FTE).
4. Percentage of enrollment by program – total enrollment of all courses in the program divided by the sum of the product of all class sizes times number of sections per course.
5. Faculty Student Ratio – total credit hours from the program cost out divided by 31 (equated full-time students) divided by Faculty FTE.
6. Number of students declaring degrees or certificates in the program broken down by in-district and out-of-district.
7. Number of degrees or certificates conferred as reported in the ACS data.

## Academic Program Suspension and Discontinuation

The annual review of assessment data collected for all programs may lead to the decision regarding suspension and discontinuation of programs. These decisions should be objective and based on quantitative data. Faculty must be included in this process and the administration will act in compliance with the faculty union's Master Agreement.

Discontinuation recommendations will be submitted to the President by March 1<sup>st</sup> of each year. Recommendations to discontinue a program may be initiated when a program fails to meet two out of three of the following criteria:

1. Enrollment - Programs may be placed on probation and subsequently discontinued when the enrollment in the program falls below 50 percent of the maximum for two consecutive years. Maximum enrollment is defined as the total enrollment of all courses (duplicated headcount) divided by the sum of the product of class sizes times number of sections per course. Enrollment numbers will be calculated the last day of each semester.
2. Graduation Rate - Programs may be placed on probation and subsequently discontinued when the number of students falls below four for two consecutive years without a compelling reason. The number of graduates will be counted using the data submitted for the annual ACS report.
3. Faculty/Student Ratio - Programs may be placed on probation and subsequently discontinued when student to faculty ratios fall below 7.5 to one for two consecutive years. The number of faculty in a program will be calculated by adding together the full-time FTE, full-time overload and the part-time FTE from the annual program cost-out supplied by the College's business office. Student numbers will be counted using the total program enrollment number divided by the computed average class size. Enrollment figures will be calculated on the last day of each semester.
4. Program Advisory Committee recommendations may be considered in the discontinuation of a program.

Other factors, including job placement rates, accreditation requirements, clinical limitations, community service issues, the number of high school students in the program, advisory committee input about the program quality, and program costs may also be considered in the implementation of this procedure. Programs that can be operated with very small expenses may be continued, even though they may not meet the criteria. Newly initiated programs will be subject to this procedure following the third year of operation.

The above criteria will normally be reviewed by the faculty chairs, the appropriate Associate Dean, the Dean of Instruction, the President, and members of the advisory committees. When a program is considered for discontinuation, it will be put on probation for a period of one year. If the factors do not improve, a recommendation to discontinue a program will normally be made by the Dean of Instruction to the President.

Following the decision to discontinue a program, no student will be allowed to enter the program. Students currently enrolled in the program to be discontinued will normally be allowed to complete their course of study in a given amount of time. The Faculty Reduction clause of the Master Agreement will be followed for affected faculty.



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# COLLEGE-WIDE TOTALS



far right totals from yearly cost out sheets

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	37,269	35,320	34,439	29,428	27,789
Contact Hours	749,806	701,451	680,193	629,484	548,757
Excess Contact Hours	770	760	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)					
FT Faculty FTE	33.86	32.58	32.86	29.91	28.55
Overload FTE	8.19	5.67	4.40	7.18	5.85
PT Faculty FTE	58.71	56.35	51.37	46.43	44.38
Ind Study Contact Hrs	163.00	157.00	145.00	249.50	117.00
Parapro FTE	3.13	2.61	2.24	1.00	1.00
PT w/ FT Fringe FTE	2.07	1.90	1.00	1.00	1.00
SCOH per FTE	7,441	7,415	7,675	7,537	6,966
<b>REVENUES</b>					
Tuition	\$4,387,900	\$4,425,347	\$4,544,128	\$4,404,236	\$4,197,588
Excess CH Fee	0	0	0	0	0
Course Fees	895,055	1,040,140	1,279,238	1,123,348	1,053,805
<b>TOTAL REVENUES</b>	<b>\$5,282,955</b>	<b>\$5,465,487</b>	<b>\$5,823,366</b>	<b>\$5,527,584</b>	<b>\$5,251,393</b>
Revenue/ Credit Hr	\$141.75	\$154.74	\$169.09	\$187.83	\$188.98
Revenue/ Contact Hr	\$7.05	\$7.79	\$8.56	\$8.78	\$9.57
<b>EXPENDITURES</b>					
FT Faculty	\$2,211,854	\$2,150,052	\$2,181,510	\$2,050,331	\$1,957,103
Overload	149,045	103,386	105,871	163,835	135,870
Preps, etc	18,318	22,110	12,275	10,780	14,777
PT Faculty - KCC	1,180,738	1,010,841	999,373	499,881	430,320
PT Faculty - EDUSTAFF	0	0	0	516,094	578,674
Independent Study	13,695	14,334	11,017	16,790	7,605
Paraprofessionals	148,988	101,312	103,855	45,797	65,589
Student Wages	10,056	6,843	7,794	18,995	4,640
Fringe Benefits	1,834,009	1,628,173	1,491,913	1,371,172	1,248,853
Classroom Supplies	218,599	188,706	228,717	193,901	163,788
Equipment	44,301	51,717	144,342	55,737	38,633
Other	279,462	271,536	286,448	204,909	144,211
<b>TOTAL EXPENDITURES</b>	<b>\$6,109,064</b>	<b>\$5,549,011</b>	<b>\$5,573,115</b>	<b>\$5,148,221</b>	<b>\$4,790,062</b>
Exps/ Credit Hr	\$163.92	\$157.11	\$161.83	\$174.94	\$172.37
Exps/ Contact Hr	\$8.15	\$7.91	\$8.19	\$8.18	\$8.73
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$22.17)	(\$2.36)	\$7.27	\$12.89	\$16.60
Contact Hour	(\$1.10)	(\$0.12)	\$0.37	\$0.60	\$0.84

## GENERAL EDUCATION SUB-TOTAL

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	16,046	15,306	15,029	12,705	11,948
Contact Hours	283,360	269,140	258,000	217,460	205,136
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)					
FT Faculty FTE	15.08	12.98	13.17	12.22	10.34
Overload FTE	3.33	2.05	2.23	1.52	3.29
PT Faculty FTE	13.65	15.66	11.28	11.68	11.95
Ind Study Contact Hrs	74.00	99.00	51.00	42.00	0.00
Parapro FTE	0.94	1.07	1.24	1.00	1.00
PT w/ FT Fringe FTE	0.97	0.70	0.00	0.00	0.00
SCOH per FTE	8,838	8,770	9,670	8,555	8,019
<b>REVENUES</b>					
Tuition	\$1,689,079	\$1,728,139	\$1,755,000	\$1,531,918	\$1,548,863
Excess CH Fee	0	0	0	0	0
Course Fees	157,793	247,665	286,435	269,610	249,195
<b>TOTAL REVENUES</b>	<b>\$1,846,872</b>	<b>\$1,975,804</b>	<b>\$2,041,435</b>	<b>\$1,801,528</b>	<b>\$1,798,058</b>
Revenue/ Credit Hr	\$115.10	\$129.08	\$135.83	\$141.80	\$150.49
Revenue/ Contact Hr	\$6.52	\$7.34	\$7.91	\$8.28	\$8.77
<b>EXPENDITURES</b>					
FT Faculty	\$981,445	\$856,589	\$874,330	\$837,681	\$690,267
Overload	60,563	37,516	52,318	35,224	76,552
Preps, etc	6,715	6,467	6,435	3,548	5,775
PT Faculty - KCC	280,592	313,375	228,717	141,758	128,001
PT Faculty - EDUSTAFF	0	0	0	110,957	171,388
Independent Study	6,915	9,247	3,315	2,730	0
Paraprofessionals	48,479	48,507	63,837	11,497	2,783
Student Wages	3,749	2,383	3,357	3,346	2,581
Fringe Benefits	736,300	630,536	554,965	518,792	439,131
Classroom Supplies	37,700	40,089	35,564	32,711	35,274
Equipment	11,259	7,683	5,362	524	0
Other	30,118	33,185	34,619	29,514	23,706
<b>TOTAL EXPENDITURES</b>	<b>\$2,203,834</b>	<b>\$1,985,576</b>	<b>\$1,862,819</b>	<b>\$1,728,283</b>	<b>\$1,575,458</b>
Exps/ Credit Hr	\$137.34	\$129.72	\$123.95	\$136.03	\$131.86
Exps/ Contact Hr	\$7.78	\$7.38	\$7.22	\$7.95	\$7.68
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$22.25)	(\$0.64)	\$11.88	\$5.77	\$18.63
Contact Hour	(\$1.26)	(\$0.04)	\$0.69	\$0.34	\$1.09

## DEV SUB-TOTAL

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	3,935	3,865	3,443	2,398	1,723
Contact Hours	63,336	62,296	55,248	38,488	27,592
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)					
FT Faculty FTE	2.50	2.04	2.16	1.57	2.57
Overload FTE	0.33	0.27	0.17	0.19	0.70
PT Faculty FTE	3.99	4.78	4.56	3.99	2.37
Ind Study Contact Hrs	9.00	0.00	15.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.10	0.20	0.00	0.00	0.00
SCOH per FTE	9,287	8,786	8,019	6,694	4,892
<b>REVENUES</b>					
Tuition	\$378,985	\$400,136	\$375,599	\$271,098	\$213,190
Excess CH Fee	0	0	0	0	0
Course Fees	15,526	29,911	51,424	33,890	14,484
<b>TOTAL REVENUES</b>	<b>\$394,511</b>	<b>\$430,047</b>	<b>\$427,023</b>	<b>\$304,988</b>	<b>\$227,674</b>
Revenue/ Credit Hr	\$100.26	\$111.27	\$124.03	\$127.18	\$132.14
Revenue/ Contact Hr	\$6.23	\$6.90	\$7.73	\$7.92	\$8.25
<b>EXPENDITURES</b>					
FT Faculty	\$163,793	\$134,626	\$143,398	\$107,624	\$171,565
Overload	5,957	4,853	4,032	4,396	16,338
Preps, etc	854	1,180	1,120	422	200
PT Faculty - KCC	76,068	84,357	79,453	54,595	27,533
PT Faculty - EDUSTAFF	0	0	0	32,015	23,238
Independent Study	841	2,192	3,167	2,192	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	125,048	109,487	100,699	78,905	106,166
Classroom Supplies	576	250	30	441	36
Equipment	0	0	0	0	0
Other	8,094	6,645	6,727	3,309	2,807
<b>TOTAL EXPENDITURES</b>	<b>\$381,230</b>	<b>\$343,590</b>	<b>\$338,627</b>	<b>\$283,898</b>	<b>\$347,884</b>
Exps/ Credit Hr	\$96.88	\$88.90	\$98.35	\$118.39	\$201.91
Exps/ Contact Hr	\$6.02	\$5.52	\$6.13	\$7.38	\$12.61
<b>REV/ (COST) PER -</b>					
Credit Hour	\$3.38	\$22.37	\$25.67	\$8.79	(\$69.77)
Contact Hour	\$0.21	\$1.39	\$1.60	\$0.55	(\$4.36)

## CRIMINAL JUSTICE SUB-TOTAL

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	1,066	869	1,053	1,186	813
Contact Hours	46,538	34,115	40,435	33,505	22,080
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)					
FT Faculty FTE	0.38	0.67	0.50	0.50	0.00
Overload FTE	0.05	0.14	0.13	0.13	0.00
PT Faculty FTE	11.31	8.50	10.89	7.59	6.26
Ind Study Contact Hrs	18.00	27.00	12.00	36.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	3,964	3,664	3,510	4,076	3,527
<b>REVENUES</b>					
Tuition	\$180,981	\$138,968	\$194,186	\$206,504	\$145,617
Excess CH Fee	0	0	0	0	0
Course Fees	360,692	300,376	344,055	225,393	100,985
<b>TOTAL REVENUES</b>	<b>\$541,672</b>	<b>\$439,344</b>	<b>\$538,241</b>	<b>\$431,897</b>	<b>\$246,602</b>
Revenue/ Credit Hr	\$508.14	\$505.57	\$511.15	\$364.16	\$303.32
Revenue/ Contact Hr	\$11.64	\$12.88	\$13.31	\$12.89	\$11.17
<b>EXPENDITURES</b>					
FT Faculty	\$24,896	\$44,215	\$33,194	\$34,275	\$0
Overload	863	2,415	2,821	2,821	0
Preps, etc	146	0	180	720	0
PT Faculty - KCC	196,728	123,970	153,700	74,860	36,063
PT Faculty - EDUSTAFF	0	0	0	53,203	44,984
Independent Study	146	0	180	720	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	78,440	66,507	67,953	45,056	12,078
Classroom Supplies	52,221	42,666	49,500	39,747	15,300
Equipment	2,068	0	17,564	0	63
Other	126,910	111,109	111,781	45,627	19,967
<b>TOTAL EXPENDITURES</b>	<b>\$482,418</b>	<b>\$390,882</b>	<b>\$436,873</b>	<b>\$297,029</b>	<b>\$128,455</b>
Exps/ Credit Hr	\$452.55	\$449.81	\$414.88	\$250.45	\$158.00
Exps/ Contact Hr	\$10.37	\$11.46	\$10.80	\$8.87	\$5.82
<b>REV/ (COST) PER -</b>					
Credit Hour	\$55.59	\$55.77	\$96.27	\$113.72	\$145.32
Contact Hour	\$1.27	\$1.42	\$2.51	\$4.03	\$5.35

## TECHNICAL TRADES SUB-TOTAL

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	2,512	2,205	2,391	3,082	3,296
Contact Hours	58,138	51,115	55,190	124,151	74,833
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)					
FT Faculty FTE	3.16	2.93	2.99	2.99	2.95
Overload FTE	0.41	0.12	0.21	0.24	0.24
PT Faculty FTE	5.87	5.02	5.11	6.42	6.71
Ind Study Contact Hrs	0.00	10.00	10.00	0.00	0.00
Parapro FTE	1.33	0.98	1.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	6,159	6,334	6,641	12,865	7,559
<b>REVENUES</b>					
Tuition	\$351,539	328,786	374,099	873,976	622,022
Excess CH Fee	0	0	0	0	0
Course Fees	117,125	140,749	183,189	171,945	269,920
<b>TOTAL REVENUES</b>	<b>\$468,665</b>	<b>\$469,535</b>	<b>\$557,288</b>	<b>\$1,045,921</b>	<b>\$891,942</b>
Revenue/ Credit Hr	\$186.60	\$212.96	\$233.11	\$339.36	\$270.59
Revenue/ Contact Hr	\$8.06	\$9.19	\$10.10	\$8.42	\$11.92
<b>EXPENDITURES</b>					
FT Faculty	\$207,034	193,359	198,500	204,965	196,933
Overload	7,545	2,208	4,998	5,712	5,712
Preps, etc	1,100	1,200	500	540	540
PT Faculty - KCC	129,949	76,703	104,254	63,124	46,829
PT Faculty - EDUSTAFF	0	0	0	69,605	89,803
Independent Study	0	934	650	0	0
Paraprofessionals	66,625	48,917	40,018	34,299	61,850
Student Wages	3,844	2,362	2,459	13,634	505
Fringe Benefits	177,205	151,806	148,848	145,700	143,413
Classroom Supplies	65,409	48,250	75,196	66,197	77,144
Equipment	9,329	24,469	30,740	27,021	15,136
Other	12,165	17,482	21,910	23,478	32,088
<b>TOTAL EXPENDITURES</b>	<b>\$680,205</b>	<b>\$567,691</b>	<b>\$628,073</b>	<b>\$654,275</b>	<b>\$669,952</b>
Exps/ Credit Hr	\$270.82	\$257.48	\$262.72	\$212.28	\$203.25
Exps/ Contact Hr	\$11.70	\$11.11	\$11.38	\$5.27	\$8.95
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$84.22)	(\$44.52)	(\$29.61)	\$127.07	\$67.35
Contact Hour	(\$3.64)	(\$1.92)	(\$1.28)	\$3.15	\$2.97

## HEALTH OCCUPATIONS SUB-TOTAL

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	8,190	7,631	7,139	5,350	5,519
Contact Hours	197,751	187,217	177,040	131,464	122,668
Excess Contact Hours	770	760	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)					
FT Faculty FTE	7.37	7.78	7.27	6.72	6.22
Overload FTE	2.50	2.08	0.90	0.97	0.63
PT Faculty FTE	18.07	17.01	16.71	12.01	13.58
Ind Study Contact Hrs	1.00	0.00	0.00	12.50	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	1.00	1.00	1.00	1.00	1.00
SCOH per FTE	7,078	6,968	7,116	6,673	6,004
<b>REVENUES</b>					
Tuition	\$1,188,087	\$1,202,939	\$1,203,703	\$926,026	\$946,039
Excess CH Fee	0	0	0	0	0
Course Fees	161,377	179,474	224,735	248,910	260,816
<b>TOTAL REVENUES</b>	<b>\$1,349,464</b>	<b>\$1,382,413</b>	<b>\$1,428,438</b>	<b>\$1,174,936</b>	<b>\$1,206,855</b>
Revenue/ Credit Hr	\$164.77	\$181.17	\$200.10	\$219.61	\$218.69
Revenue/ Contact Hr	\$6.82	\$7.38	\$8.07	\$8.94	\$9.84
<b>EXPENDITURES</b>					
FT Faculty	\$482,860	\$513,426	\$482,641	\$460,656	\$415,229
Overload	46,003	38,275	21,420	23,086	14,994
Preps, etc	8,283	10,943	3,109	2,894	4,180
PT Faculty - KCC	346,169	294,608	326,870	107,742	115,878
PT Faculty - EDUSTAFF	0	0	0	190,775	218,332
Independent Study	93	0	0	813	0
Paraprofessionals	0	0	0	0	956
Student Wages	0	0	0	0	0
Fringe Benefits	435,767	392,575	350,841	308,640	279,384
Classroom Supplies	34,199	26,373	40,463	37,718	22,503
Equipment	16,600	19,566	90,676	17,324	23,434
Other	91,105	91,092	99,036	95,156	61,541
<b>TOTAL EXPENDITURES</b>	<b>\$1,461,079</b>	<b>\$1,386,858</b>	<b>\$1,415,057</b>	<b>\$1,244,803</b>	<b>\$1,156,429</b>
Exps/ Credit Hr	\$178.40	\$181.75	\$198.23	\$232.67	\$209.55
Exps/ Contact Hr	\$7.39	\$7.41	\$7.99	\$9.47	\$9.43
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$13.63)	(\$0.58)	\$1.87	(\$13.06)	\$9.14
Contact Hour	(\$0.56)	(\$0.02)	\$0.08	(\$0.53)	\$0.41



## FINE ARTS

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	1,193	1,131	963	657	624
Contact Hours	24,848	23,536	19,776	13,472	12,128
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	528	528	528	528	528
FT Faculty FTE	1.35	1.38	1.39	1.38	1.00
Overload FTE	1.02	0.68	0.09	0.00	0.00
PT Faculty FTE	0.37	0.12	0.12	0.12	0.42
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.12	0.26	0.24	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	9,069	10,796	12,360	8,981	8,541
<b>REVENUES</b>					
Tuition	\$147,743	\$151,088	\$134,575	\$94,911	\$90,771
Excess CH Fee	0	0	0	0	0
Course Fees	38,445	42,500	34,125	23,125	21,005
<b>TOTAL REVENUES</b>	<b>\$186,188</b>	<b>\$193,588</b>	<b>\$168,700</b>	<b>\$118,036</b>	<b>\$111,776</b>
Revenue/ Credit Hr	\$156.07	\$171.17	\$175.18	\$179.66	\$179.13
Revenue/ Contact Hr	\$7.49	\$8.23	\$8.53	\$8.76	\$9.22
<b>EXPENDITURES</b>					
FT Faculty	\$88,448	\$91,070	\$92,279	\$94,599	\$66,757
Overload	19,356	12,904	2,142	0	0
Preps, etc	225	450	225	0	225
PT Faculty - KCC	12,142	2,997	2,851	3,220	2,152
PT Faculty - EDUSTAFF	0	0	0	0	8,376
Independent Study	0	0	0	0	0
Paraprofessionals	10,382	11,127	11,047	11,497	2,783
Student Wages	2,463	2,097	1,978	2,017	1,554
Fringe Benefits	66,454	60,404	51,654	56,150	37,295
Classroom Supplies	11,814	10,553	10,264	11,280	7,311
Equipment	2,769	1,335	3,247	0	0
Other	1,110	3,476	3,987	1,843	1,830
<b>TOTAL EXPENDITURES</b>	<b>\$215,161</b>	<b>\$196,414</b>	<b>\$179,674</b>	<b>\$180,605</b>	<b>\$128,283</b>
Exps/ Credit Hr	\$180.35	\$173.66	\$186.58	\$274.89	\$205.58
Exps/ Contact Hr	\$8.66	\$8.35	\$9.09	\$13.41	\$10.58
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$24.29)	(\$2.50)	(\$11.40)	(\$95.23)	(\$26.45)
Contact Hour	(\$1.17)	(\$0.12)	(\$0.55)	(\$4.64)	(\$1.36)

# THEATRE

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	102	53	9	19	33
Contact Hours	1,632	848	144	912	528
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	0.30	0.00	0.00	0.10	0.10
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	5,440	#DIV/0!	#DIV/0!	9,120	5,280
<b>REVENUES</b>					
Tuition	\$9,704	\$5,444	\$980	\$6,425	\$3,952
Excess CH Fee	0	0	0	0	0
Course Fees	0	850	150	0	550
<b>TOTAL REVENUES</b>	<b>\$9,704</b>	<b>\$6,294</b>	<b>\$1,130</b>	<b>\$6,425</b>	<b>\$4,502</b>
Revenue/ Credit Hr	\$95.13	\$118.75	\$125.55	\$338.16	\$136.42
Revenue/ Contact Hr	\$5.95	\$7.42	\$7.85	\$7.05	\$8.53
<b>EXPENDITURES</b>					
FT Faculty	\$0	\$0	\$0	\$0	\$0
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	5,643	3,180	720	1,557	1,557
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	1,812	1,046	235	521	521
Classroom Supplies	73	0	0	0	0
Equipment	0	0	0	0	0
Other	161	0	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>\$7,689</b>	<b>\$4,226</b>	<b>\$955</b>	<b>\$2,078</b>	<b>\$2,078</b>
Exps/ Credit Hr	\$75.39	\$79.73	\$106.15	\$109.37	\$62.97
Exps/ Contact Hr	\$4.71	\$4.98	\$6.63	\$2.28	\$3.94
<b>REV/ (COST) PER -</b>					
Credit Hour	\$19.75	\$39.01	\$19.39	\$228.80	\$73.45
Contact Hour	\$1.23	\$2.44	\$1.21	\$4.77	\$4.59

# HUMANITIES

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	456	480	609	732	561
Contact Hours	7,296	7,680	9,744	11,712	8,976
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.71	0.59	0.79	0.90	0.90
Overload FTE	0.09	0.01	0.07	0.22	0.11
PT Faculty FTE	0.10	0.40	0.39	0.29	0.10
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	8,107	7,680	7,795	8,306	8,086
<b>REVENUES</b>					
Tuition	\$43,465	\$49,314	\$66,288	\$82,506	\$67,989
Excess CH Fee	0	0	0	0	0
Course Fees	2,080	6,700	13,640	19,250	12,765
<b>TOTAL REVENUES</b>	<b>\$45,545</b>	<b>\$56,014</b>	<b>\$79,928</b>	<b>\$101,756</b>	<b>\$80,754</b>
Revenue/ Credit Hr	\$99.88	\$116.70	\$131.24	\$139.01	\$143.95
Revenue/ Contact Hr	\$6.24	\$7.29	\$8.20	\$8.69	\$9.00
<b>EXPENDITURES</b>					
FT Faculty	\$46,517	\$38,936	\$52,447	\$61,695	\$60,081
Overload	1,553	173	1,568	4,928	2,464
Preps, etc	770	295	951	693	525
PT Faculty - KCC	5,559	6,635	6,733	5,537	2,194
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	30,370	24,297	29,360	37,142	33,746
Classroom Supplies	0	0	0	0	0
Equipment	0	0	0	0	0
Other	780	804	2,013	1,766	2,849
<b>TOTAL EXPENDITURES</b>	<b>\$85,549</b>	<b>\$71,139</b>	<b>\$93,071</b>	<b>\$111,762</b>	<b>\$101,860</b>
Exps/ Credit Hr	\$187.61	\$148.21	\$152.83	\$152.68	\$181.57
Exps/ Contact Hr	\$11.73	\$9.26	\$9.55	\$9.54	\$11.35
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$87.73)	(\$31.51)	(\$21.58)	(\$13.67)	(\$37.62)
Contact Hour	(\$5.48)	(\$1.97)	(\$1.35)	(\$0.85)	(\$2.35)

# MUSIC

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	325	303	399	253	264
Contact Hours	5,200	4,848	6,384	4,560	5,568
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	0.67	0.50	0.67	0.58	0.57
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	7,761	9,696	9,528	7,862	9,768
<b>REVENUES</b>					
Tuition	\$30,919	\$31,121	\$43,443	\$32,125	\$41,673
Excess CH Fee	0	0	0	0	0
Course Fees	4,660	9,500	10,180	8,690	8,510
<b>TOTAL REVENUES</b>	<b>\$35,579</b>	<b>\$40,621</b>	<b>\$53,623</b>	<b>\$40,815</b>	<b>\$50,183</b>
Revenue/ Credit Hr	\$109.47	\$134.06	\$134.39	\$161.33	\$190.09
Revenue/ Contact Hr	\$6.84	\$8.38	\$8.40	\$8.95	\$9.01
<b>EXPENDITURES</b>					
FT Faculty	\$0	\$0	\$0	\$0	\$0
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	13,858	9,602	13,519	7,092	4,423
PT Faculty - EDUSTAFF	0	0	0	5,089	8,775
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	4,450	3,158	4,419	2,375	1,481
Classroom Supplies	142	119	161	109	0
Equipment	0	0	0	0	0
Other	244	10	24	0	300
<b>TOTAL EXPENDITURES</b>	<b>\$18,694</b>	<b>\$12,889</b>	<b>\$18,123</b>	<b>\$14,664</b>	<b>\$14,980</b>
Exps/ Credit Hr	\$57.52	\$42.54	\$45.42	\$57.96	\$56.74
Exps/ Contact Hr	\$3.60	\$2.66	\$2.84	\$3.22	\$2.69
<b>REV/ (COST) PER -</b>					
Credit Hour	\$51.95	\$91.53	\$88.97	\$103.36	\$133.35
Contact Hour	\$3.25	\$5.72	\$5.56	\$5.73	\$6.32

# ENGLISH

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	3,156	2,917	2,394	1,923	2,055
Contact Hours	57,744	52,688	38,304	30,768	32,880
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	2.98	2.20	1.88	2.13	2.13
Overload FTE	0.09	0.04	0.04	0.18	0.99
PT Faculty FTE	4.17	5.00	2.08	1.22	1.03
Ind Study Contact Hrs	6.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.97	0.70	0.00	0.00	0.00
SCOH per FTE	7,976	7,277	9,576	8,716	7,923
<b>REVENUES</b>					
Tuition	\$344,858	\$338,364	\$260,501	\$216,744	\$248,353
Excess CH Fee	0	0	0	0	0
Course Fees	31,330	50,620	40,765	37,345	32,970
<b>TOTAL REVENUES</b>	<b>\$376,188</b>	<b>\$388,984</b>	<b>\$301,266</b>	<b>\$254,089</b>	<b>\$281,323</b>
Revenue/ Credit Hr	\$119.20	\$133.35	\$125.84	\$132.13	\$136.90
Revenue/ Contact Hr	\$6.51	\$7.38	\$7.87	\$8.26	\$8.56
<b>EXPENDITURES</b>					
FT Faculty	\$195,241	\$145,185	\$124,809	\$146,012	\$142,192
Overload	1,553	690	896	4,032	22,176
Preps, etc	2,304	730	819	888	2,850
PT Faculty - KCC	69,689	93,647	45,287	13,030	10,812
PT Faculty - EDUSTAFF	0	0	0	12,723	15,479
Independent Study	561	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	158,269	124,018	78,037	85,070	87,759
Classroom Supplies	1,590	1,662	726	391	28
Equipment	0	0	0	0	0
Other	6,596	5,356	6,169	6,950	6,183
<b>TOTAL EXPENDITURES</b>	<b>\$435,802</b>	<b>\$371,288</b>	<b>\$256,743</b>	<b>\$269,096</b>	<b>\$287,479</b>
Exps/ Credit Hr	\$138.09	\$127.28	\$107.24	\$139.94	\$139.89
Exps/ Contact Hr	\$7.55	\$7.05	\$6.70	\$8.75	\$8.74
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$18.89)	\$6.07	\$18.60	(\$7.80)	(\$3.00)
Contact Hour	(\$1.03)	\$0.34	\$1.16	(\$0.49)	(\$0.19)

# LANGUAGE

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	319	139	3	0	0
Contact Hours	5,104	2,224	48	0	0
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.10	0.00	0.00	0.00	0.00
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	0.73	0.26	0.00	0.00	0.00
Ind Study Contact Hrs	3.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	6,149	8,554	#DIV/0!	#DIV/0!	#DIV/0!
<b>REVENUES</b>					
Tuition	\$30,473	\$14,277	\$327	\$0	\$0
Excess CH Fee	0	0	0	0	0
Course Fees	2,015	1,670	0	0	0
<b>TOTAL REVENUES</b>	<b>\$32,488</b>	<b>\$15,947</b>	<b>\$327</b>	<b>\$0</b>	<b>\$0</b>
Revenue/ Credit Hr	\$101.84	\$114.73	\$108.88	#DIV/0!	#DIV/0!
Revenue/ Contact Hr	\$6.37	\$7.17	\$6.80	#DIV/0!	#DIV/0!
<b>EXPENDITURES</b>					
FT Faculty	\$0	\$0	\$0	\$0	\$0
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	15,897	6,093	180	0	0
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	280	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	7,012	2,004	59	0	0
Classroom Supplies	64	13	0	0	0
Equipment	0	0	0	0	0
Other	476	30	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>\$23,729</b>	<b>\$8,140</b>	<b>\$239</b>	<b>\$0</b>	<b>\$0</b>
Exps/ Credit Hr	\$74.39	\$58.56	\$79.61	#DIV/0!	#DIV/0!
Exps/ Contact Hr	\$4.65	\$3.66	\$4.98	#DIV/0!	#DIV/0!
<b>REV/ (COST) PER -</b>					
Credit Hour	\$27.46	\$56.16	\$29.27	#DIV/0!	#DIV/0!
Contact Hour	\$1.72	\$3.51	\$1.83	#DIV/0!	#DIV/0!

## SPEECH

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	975	987	846	792	684
Contact Hours	15,600	15,792	13,536	12,672	10,944
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.60	0.20	0.18	0.19	0.19
Overload FTE	0.00	0.00	0.01	0.00	0.00
PT Faculty FTE	1.20	1.50	1.46	1.26	1.16
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	8,667	9,289	8,204	8,739	8,107
<b>REVENUES</b>					
Tuition	\$93,175	\$101,420	\$92,037	\$89,265	\$83,366
Excess CH Fee	0	0	0	0	0
Course Fees	0	4,950	4,730	11,110	9,430
<b>TOTAL REVENUES</b>	<b>\$93,175</b>	<b>\$106,370</b>	<b>\$96,767</b>	<b>\$100,375</b>	<b>\$92,796</b>
Revenue/ Credit Hr	\$95.56	\$107.77	\$114.38	\$126.74	\$135.67
Revenue/ Contact Hr	\$5.97	\$6.74	\$7.15	\$7.92	\$8.48
<b>EXPENDITURES</b>					
FT Faculty	\$39,310	\$13,199	\$11,950	\$13,025	\$12,684
Overload	0	0	224	0	0
Preps, etc	300	0	54	57	0
PT Faculty - KCC	24,806	28,644	26,618	12,845	14,988
PT Faculty - EDUSTAFF	0	0	0	16,381	12,886
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	31,588	16,865	14,793	11,373	11,777
Classroom Supplies	274	165	0	272	224
Equipment	0	0	0	0	0
Other	1,423	1,642	1,522	800	1,507
<b>TOTAL EXPENDITURES</b>	<b>\$97,701</b>	<b>\$60,515</b>	<b>\$55,161</b>	<b>\$54,752</b>	<b>\$54,066</b>
Exps/ Credit Hr	\$100.21	\$61.31	\$65.20	\$69.13	\$79.04
Exps/ Contact Hr	\$6.26	\$3.83	\$4.08	\$4.32	\$4.94
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$4.64)	\$46.46	\$49.18	\$57.61	\$56.62
Contact Hour	(\$0.29)	\$2.90	\$3.07	\$3.60	\$3.54

# HISTORY/ EDUCATION

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	687	693	750	588	570
Contact Hours	10,992	11,088	11,664	8,640	9,568
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.77	0.91	0.79	0.69	0.69
Overload FTE	0.23	0.09	0.24	0.15	0.15
PT Faculty FTE	0.10	0.20	0.29	0.20	0.20
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	9,993	9,240	14,426	9,095	16,348
<b>REVENUES</b>					
Tuition	\$65,357	\$71,179	\$79,355	\$60,869	\$72,312
Excess CH Fee	0	0	0	0	0
Course Fees	2,013	5,375	10,010	8,720	7,510
<b>TOTAL REVENUES</b>	<b>\$67,370</b>	<b>\$76,554</b>	<b>\$89,365</b>	<b>\$69,589</b>	<b>\$79,822</b>
Revenue/ Credit Hr	\$98.06	\$110.47	\$119.15	\$118.35	\$140.04
Revenue/ Contact Hr	\$6.13	\$6.90	\$7.66	\$8.05	\$8.34
<b>EXPENDITURES</b>					
FT Faculty	\$50,448	\$60,054	\$52,447	\$47,300	\$46,062
Overload	3,968	1,553	5,376	3,360	3,360
Preps, etc	825	1,505	1,224	657	486
PT Faculty - KCC	2,725	4,052	5,595	3,948	1,285
PT Faculty - EDUSTAFF	0	0	0	0	2,545
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	32,606	36,211	30,322	28,278	26,260
Classroom Supplies	0	0	67	230	196
Equipment	0	0	0	0	0
Other	1,507	1,738	1,995	3,469	1,912
<b>TOTAL EXPENDITURES</b>	<b>\$92,078</b>	<b>\$105,112</b>	<b>\$97,025</b>	<b>\$87,241</b>	<b>\$82,106</b>
Exps/ Credit Hr	\$134.03	\$151.68	\$129.37	\$148.37	\$144.04
Exps/ Contact Hr	\$8.38	\$9.48	\$8.32	\$10.10	\$8.58
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$35.97)	(\$41.21)	(\$10.21)	(\$30.02)	(\$4.01)
Contact Hour	(\$2.25)	(\$2.58)	(\$0.66)	(\$2.04)	(\$0.24)



## DEV READING & WRITING

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	755	909	807	505	384
Contact Hours	12,128	14,784	13,008	8,080	6,144
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	1.00	1.10	1.22	0.98	0.98
Overload FTE	0.10	0.10	0.01	0.09	0.23
PT Faculty FTE	0.47	0.60	0.68	0.67	0.50
Ind Study Contact Hrs	9.00	0.00	15.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.10	0.20	0.00	0.00	0.00
SCOH per FTE	7,725	8,213	6,810	4,644	3,593
<b>REVENUES</b>					
Tuition	\$72,457	\$94,948	\$88,444	\$56,915	\$46,901
Excess CH Fee	0	0	0	0	0
Course Fees	2,980	4,335	3,865	2,490	1,920
<b>TOTAL REVENUES</b>	<b>\$75,437</b>	<b>\$99,283</b>	<b>\$92,309</b>	<b>\$59,405</b>	<b>\$48,821</b>
Revenue/ Credit Hr	\$99.92	\$109.22	\$114.39	\$117.63	\$127.14
Revenue/ Contact Hr	\$6.22	\$6.72	\$7.10	\$7.35	\$7.95
<b>EXPENDITURES</b>					
FT Faculty	\$65,517	\$72,592	\$80,993	\$67,179	\$65,422
Overload	1,725	1,725	224	2,016	5,152
Preps, etc	536	820	627	405	200
PT Faculty - KCC	8,126	14,933	2,004	13,004	6,620
PT Faculty - EDUSTAFF	0	0	0	1,272	913
Independent Study	841	0	975	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	44,633	49,797	41,922	41,540	38,865
Classroom Supplies	576	248	30	441	36
Equipment	0	0	0	0	0
Other	1,179	1,777	3,549	556	1,359
<b>TOTAL EXPENDITURES</b>	<b>\$123,133</b>	<b>\$141,892</b>	<b>\$130,324</b>	<b>\$126,413</b>	<b>\$118,565</b>
Exps/ Credit Hr	\$163.09	\$156.10	\$161.49	\$250.32	\$308.76
Exps/ Contact Hr	\$10.15	\$9.60	\$10.02	\$15.65	\$19.30
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$63.17)	(\$46.88)		(\$132.69)	(\$181.63)
Contact Hour	(\$3.93)	(\$2.88)		(\$8.29)	(\$11.35)

## DEV MATH

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	3,139	2,929	2,628	1,878	1,336
Contact Hours	50,224	46,864	42,048	30,048	21,376
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	1.46	0.87	0.93	0.58	1.58
Overload FTE	0.23	0.17	0.16	0.10	0.47
PT Faculty FTE	3.52	4.18	3.88	3.32	1.87
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	9,640	8,978	8,460	7,512	5,453
<b>REVENUES</b>					
Tuition	\$300,462	\$301,014	\$285,855	\$211,649	\$165,669
Excess CH Fee	0	0	0	0	0
Course Fees	12,546	25,576	47,559	31,400	12,564
<b>TOTAL REVENUES</b>	<b>\$313,008</b>	<b>\$326,590</b>	<b>\$333,414</b>	<b>\$243,049</b>	<b>\$178,233</b>
Revenue/ Credit Hr	\$99.72	\$111.50	\$126.87	\$129.42	\$133.41
Revenue/ Contact Hr	\$6.23	\$6.97	\$7.93	\$8.09	\$8.34
<b>EXPENDITURES</b>					
FT Faculty	\$95,655	\$57,414	\$61,741	\$39,759	\$105,476
Overload	4,232	3,128	3,808	2,380	11,186
Preps, etc	318	360	493	17	0
PT Faculty - KCC	67,602	69,084	77,405	41,591	20,913
PT Faculty - EDUSTAFF	0	0	0	30,743	22,326
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	80,415	56,252	57,712	36,259	66,946
Classroom Supplies	0	2	0	0	0
Equipment	0	0	0	0	0
Other	6,914	4,867	3,177	2,753	1,448
<b>TOTAL EXPENDITURES</b>	<b>\$255,136</b>	<b>\$191,108</b>	<b>\$204,337</b>	<b>\$153,502</b>	<b>\$228,295</b>
Exps/ Credit Hr	\$81.28	\$65.25	\$77.75	\$81.74	\$170.88
Exps/ Contact Hr	\$5.08	\$4.08	\$4.86	\$5.11	\$10.68
<b>REV/ (COST) PER -</b>					
Credit Hour	\$18.44	\$46.26	\$49.12	\$47.68	(\$37.47)
Contact Hour	\$1.15	\$2.89	\$3.07	\$2.98	(\$2.34)

## ECONOMICS

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	189	207	327	348	312
Contact Hours	3,024	3,312	5,328	5,376	4,992
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.15	0.20	0.45	0.00	0.00
Overload FTE	0.05	0.00	0.02	0.00	0.00
PT Faculty FTE	0.10	0.10	0.10	0.88	0.68
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	10,080	11,040	9,347	6,109	7,341
<b>REVENUES</b>					
Tuition	\$17,980	\$21,261	\$36,239	\$37,874	\$37,362
Excess CH Fee	0	0	0	0	0
Course Fees	3,660	4,400	10,890	12,320	10,790
<b>TOTAL REVENUES</b>	<b>\$21,640</b>	<b>\$25,661</b>	<b>\$47,129</b>	<b>\$50,194</b>	<b>\$48,152</b>
Revenue/ Credit Hr	\$114.50	\$123.97	\$144.13	\$144.24	\$154.33
Revenue/ Contact Hr	\$7.16	\$7.75	\$8.85	\$9.34	\$9.65
<b>EXPENDITURES</b>					
FT Faculty	\$9,828	\$13,199	\$29,875	\$0	\$0
Overload	863	0	448	0	0
Preps, etc	0	200	435	0	0
PT Faculty - KCC	2,335	2,120	972	6,569	0
PT Faculty - EDUSTAFF	0	0	0	11,451	17,975
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	6,908	8,207	15,608	2,200	0
Classroom Supplies	0	0	0	0	0
Equipment	0	0	0	0	0
Other	0	0	466	0	0
<b>TOTAL EXPENDITURES</b>	<b>\$19,933</b>	<b>\$23,725</b>	<b>\$47,804</b>	<b>\$20,219</b>	<b>\$17,975</b>
Exps/ Credit Hr	\$105.47	\$114.62	\$146.19	\$58.10	\$57.61
Exps/ Contact Hr	\$6.59	\$7.16	\$8.97	\$3.76	\$3.60
<b>REV/ (COST) PER -</b>					
Credit Hour	\$9.03	\$9.35	(\$2.06)	\$86.13	\$96.72
Contact Hour	\$0.56	\$0.58	(\$0.13)	\$5.58	\$6.05

## POLITICAL SCIENCE

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	1,338	950	777	564	665
Contact Hours	21,408	15,200	12,432	9,024	10,640
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	1.00	1.00	1.00	0.00	0.00
Overload FTE	0.43	0.33	0.00	0.00	0.00
PT Faculty FTE	0.86	0.56	0.56	1.20	1.41
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	9,348	8,042	7,969	7,520	7,546
<b>REVENUES</b>					
Tuition	\$127,562	\$97,615	\$84,585	\$63,573	\$79,634
Excess CH Fee	0	0	0	0	0
Course Fees	11,155	14,900	16,170	14,630	11,270
<b>TOTAL REVENUES</b>	<b>\$138,717</b>	<b>\$112,515</b>	<b>\$100,755</b>	<b>\$78,203</b>	<b>\$90,904</b>
Revenue/ Credit Hr	\$103.67	\$118.44	\$129.67	\$138.66	\$136.70
Revenue/ Contact Hr	\$6.48	\$7.40	\$8.10	\$8.67	\$8.54
<b>EXPENDITURES</b>					
FT Faculty	\$65,517	\$65,993	\$66,388	\$0	\$0
Overload	7,418	5,693	0	0	0
Preps, etc	300	525	300	0	0
PT Faculty - KCC	14,583	10,845	8,987	15,761	23,285
PT Faculty - EDUSTAFF	0	0	0	10,004	9,572
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	46,371	42,834	36,372	5,278	7,798
Classroom Supplies	567	395	126	215	924
Equipment	0	0	0	0	0
Other	1,210	1,101	975	2	664
<b>TOTAL EXPENDITURES</b>	<b>\$135,966</b>	<b>\$127,385</b>	<b>\$113,147</b>	<b>\$31,260</b>	<b>\$42,243</b>
Exps/ Credit Hr	\$101.62	\$134.09	\$145.62	\$55.43	\$63.52
Exps/ Contact Hr	\$6.35	\$8.38	\$9.10	\$3.46	\$3.97
<b>REV/ (COST) PER -</b>					
Credit Hour	\$2.06	(\$15.65)	(\$15.95)	\$83.23	\$73.17
Contact Hour	\$0.13	(\$0.98)	(\$1.00)	\$5.20	\$4.57

# PSYCHOLOGY

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	1,314	1,149	1,611	1,272	1,281
Contact Hours	21,024	18,384	25,776	20,352	20,496
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.50	0.00	0.06	0.00	0.00
Overload FTE	0.20	0.00	0.03	0.00	0.00
PT Faculty FTE	1.20	1.70	2.13	2.24	2.32
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	11,065	10,814	11,611	9,086	8,834
<b>REVENUES</b>					
Tuition	\$125,331	\$118,030	\$175,319	\$143,370	\$154,479
Excess CH Fee	0	0	0	0	0
Course Fees	10,070	17,550	27,020	27,680	24,360
<b>TOTAL REVENUES</b>	<b>\$135,401</b>	<b>\$135,580</b>	<b>\$202,339</b>	<b>\$171,050</b>	<b>\$178,839</b>
Revenue/ Credit Hr	\$103.04	\$118.00	\$125.60	\$134.47	\$139.61
Revenue/ Contact Hr	\$6.44	\$7.37	\$7.85	\$8.40	\$8.73
<b>EXPENDITURES</b>					
FT Faculty	\$32,759	\$0	\$3,983	\$0	\$0
Overload	3,450	0	672	0	0
Preps, etc	300	0	18	0	425
PT Faculty - KCC	28,398	34,477	42,735	26,413	16,045
PT Faculty - EDUSTAFF	0	0	0	20,094	38,081
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	29,928	11,339	16,196	8,846	5,516
Classroom Supplies	197	300	329	710	191
Equipment	0	0	0	0	0
Other	912	777	1,711	1,580	841
<b>TOTAL EXPENDITURES</b>	<b>\$95,943</b>	<b>\$46,893</b>	<b>\$65,644</b>	<b>\$57,642</b>	<b>\$61,099</b>
Exps/ Credit Hr	\$73.02	\$40.81	\$40.75	\$45.32	\$47.70
Exps/ Contact Hr	\$4.56	\$2.55	\$2.55	\$2.83	\$2.98
<b>REV/ (COST) PER -</b>					
Credit Hour	\$30.03	\$77.19	\$84.85	\$89.16	\$91.91
Contact Hour	\$1.88	\$4.82	\$5.30	\$5.57	\$5.74

# SOCIOLOGY

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	213	225	375	279	297
Contact Hours	3,408	3,600	6,000	4,464	4,752
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.26	0.25	0.50	0.50	0.00
Overload FTE	0.04	0.05	0.13	0.13	0.00
PT Faculty FTE	0.00	0.00	0.00	0.00	0.38
Ind Study Contact Hrs	0.00	0.00	15.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	11,360	12,000	9,524	7,086	12,505
<b>REVENUES</b>					
Tuition	\$20,264	\$23,110	\$40,830	\$31,449	\$35,566
Excess CH Fee	0	0	0	0	0
Course Fees	540	0	0	0	5,060
<b>TOTAL REVENUES</b>	<b>\$20,804</b>	<b>\$23,110</b>	<b>\$40,830</b>	<b>\$31,449</b>	<b>\$40,626</b>
Revenue/ Credit Hr	\$97.67	\$102.71	\$108.88	\$112.72	\$136.79
Revenue/ Contact Hr	\$6.10	\$6.42	\$6.80	\$7.05	\$8.55
<b>EXPENDITURES</b>					
FT Faculty	\$17,034	\$16,498	\$33,194	\$34,275	\$0
Overload	690	863	2,912	2,912	0
Preps, etc	54	300	500	300	0
PT Faculty - KCC	0	0	560	896	3,663
PT Faculty - EDUSTAFF	0	0	0	0	5,089
Independent Study	0	0	975	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	10,434	9,688	18,285	19,934	1,227
Classroom Supplies	0	0	0	0	236
Equipment	0	0	0	0	0
Other	33	1,062	1,334	1,108	48
<b>TOTAL EXPENDITURES</b>	<b>\$28,245</b>	<b>\$28,411</b>	<b>\$57,760</b>	<b>\$59,425</b>	<b>\$10,263</b>
Exps/ Credit Hr	\$132.60	\$126.27	\$154.03	\$212.99	\$34.56
Exps/ Contact Hr	\$8.29	\$7.89	\$9.63	\$13.31	\$2.16
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$34.93)	(\$23.56)	(\$45.15)	(\$100.27)	\$102.23
Contact Hour	(\$2.18)	(\$1.47)	(\$2.82)	(\$6.27)	\$6.39

# MATH

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	2,353	2,521	2,576	2,260	1,924
Contact Hours	37,648	40,336	41,216	36,160	30,784
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	2.82	2.24	2.28	2.42	2.42
Overload FTE	0.32	0.14	0.34	0.31	1.05
PT Faculty FTE	1.08	2.21	1.56	1.62	1.20
Ind Study Contact Hrs	52.00	60.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	8,921	8,788	9,860	8,313	6,592
<b>REVENUES</b>					
Tuition	\$224,437	\$258,986	\$280,408	\$254,739	\$232,774
Excess CH Fee	0	0	0	0	0
Course Fees	8,325	20,100	45,860	44,360	37,495
<b>TOTAL REVENUES</b>	<b>\$232,762</b>	<b>\$279,086</b>	<b>\$326,268</b>	<b>\$299,099</b>	<b>\$270,269</b>
Revenue/ Credit Hr	\$98.92	\$110.70	\$126.66	\$132.34	\$140.47
Revenue/ Contact Hr	\$6.18	\$6.92	\$7.92	\$8.27	\$8.78
<b>EXPENDITURES</b>					
FT Faculty	\$184,758	\$147,824	\$151,365	\$165,891	\$161,552
Overload	5,888	2,576	8,092	7,378	24,990
Preps, etc	337	1,050	227	103	600
PT Faculty - KCC	21,150	44,051	31,426	19,097	12,095
PT Faculty - EDUSTAFF	0	0	0	17,801	26,281
Independent Study	4,859	5,604	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	120,923	100,902	88,999	98,724	98,692
Classroom Supplies	1,420	926	1,417	1,192	856
Equipment	0	0	0	0	0
Other	5,514	6,483	4,167	1,882	2,747
<b>TOTAL EXPENDITURES</b>	<b>\$344,849</b>	<b>\$309,416</b>	<b>\$285,693</b>	<b>\$312,067</b>	<b>\$327,813</b>
Exps/ Credit Hr	\$146.56	\$122.74	\$110.91	\$138.08	\$170.38
Exps/ Contact Hr	\$9.16	\$7.67	\$6.93	\$8.63	\$10.65
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$47.64)	(\$12.03)	\$15.75	(\$5.74)	(\$29.91)
Contact Hour	(\$2.98)	(\$0.75)	\$0.98	(\$0.36)	(\$1.87)

## BIOLOGY

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	2,452	2,584	2,912	2,556	2,208
Contact Hours	49,040	51,680	58,240	51,120	43,920
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	2.42	2.42	2.76	2.88	1.88
Overload FTE	0.46	0.61	1.03	0.50	0.47
PT Faculty FTE	1.95	2.30	1.92	1.97	2.14
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.82	0.00	0.50	0.50	0.50
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	10,153	9,696	10,200	9,555	9,782
<b>REVENUES</b>					
Tuition	\$292,459	\$331,865	\$396,097	\$360,103	\$333,570
Excess CH Fee	0	0	0	0	0
Course Fees	30,260	48,850	60,880	50,880	55,855
<b>TOTAL REVENUES</b>	<b>\$322,719</b>	<b>\$380,715</b>	<b>\$456,977</b>	<b>\$410,983</b>	<b>\$389,425</b>
Revenue/ Credit Hr	\$131.61	\$147.34	\$156.93	\$160.79	\$176.37
Revenue/ Contact Hr	\$6.58	\$7.37	\$7.85	\$8.04	\$8.87
<b>EXPENDITURES</b>					
FT Faculty	\$158,551	\$159,703	\$183,231	\$197,424	\$125,503
Overload	8,465	11,225	24,514	11,900	11,186
Preps, etc	800	510	1,682	400	664
PT Faculty - KCC	49,154	43,741	42,535	25,795	35,501
PT Faculty - EDUSTAFF	0	0	0	17,415	26,328
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	26,395	0	0
Student Wages	685	61	602	337	1,027
Fringe Benefits	113,647	108,324	123,105	119,654	82,723
Classroom Supplies	17,169	15,125	15,024	12,296	17,232
Equipment	0	0	0	0	0
Other	7,463	8,765	7,874	7,240	3,496
<b>TOTAL EXPENDITURES</b>	<b>\$355,934</b>	<b>\$347,454</b>	<b>\$424,962</b>	<b>\$392,461</b>	<b>\$303,661</b>
Exps/ Credit Hr	\$145.16	\$134.46	\$145.93	\$153.54	\$137.53
Exps/ Contact Hr	\$7.26	\$6.72	\$7.30	\$7.68	\$6.91
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$13.55)	\$12.87	\$10.99	\$7.25	\$38.84
Contact Hour	(\$0.68)	\$0.64	\$0.55	\$0.36	\$1.95



## CHEMISTRY

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	795	729	311	240	225
Contact Hours	15,776	13,136	6,080	5,088	4,704
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	1.08	0.79	0.76	0.68	0.68
Overload FTE	0.30	0.05	0.10	0.03	0.23
PT Faculty FTE	0.78	0.79	0.00	0.00	0.24
Ind Study Contact Hrs	6.00	28.00	0.00	0.00	0.00
Parapro FTE	0.00	0.81	0.50	0.50	0.50
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	7,304	8,059	7,070	7,166	4,090
<b>REVENUES</b>					
Tuition	\$93,820	\$84,328	\$41,371	\$35,845	\$35,207
Excess CH Fee	0	0	0	0	0
Course Fees	9,040	12,550	3,750	2,700	2,600
<b>TOTAL REVENUES</b>	<b>\$102,860</b>	<b>\$96,878</b>	<b>\$45,121</b>	<b>\$38,545</b>	<b>\$37,807</b>
Revenue/ Credit Hr	\$129.38	\$132.89	\$145.08	\$160.60	\$168.03
Revenue/ Contact Hr	\$6.52	\$7.37	\$7.42	\$7.58	\$8.04
<b>EXPENDITURES</b>					
FT Faculty	\$70,758	\$52,134	\$50,455	\$46,614	\$45,395
Overload	5,520	920	2,380	714	5,474
Preps, etc	380	745	0	450	0
PT Faculty - KCC	13,535	22,261	0	0	0
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	561	2,615	0	0	0
Paraprofessionals	38,097	37,380	26,395	0	0
Student Wages	602	226	777	993	0
Fringe Benefits	61,001	50,429	34,742	25,629	26,019
Classroom Supplies	3,400	9,821	6,324	5,299	7,477
Equipment	2,572	430	1,900	524	0
Other	1,669	1,580	2,271	651	1,089
<b>TOTAL EXPENDITURES</b>	<b>\$198,094</b>	<b>\$178,542</b>	<b>\$125,245</b>	<b>\$80,874</b>	<b>\$85,454</b>
Exps/ Credit Hr	\$249.17	\$244.91	\$402.72	\$336.98	\$379.79
Exps/ Contact Hr	\$12.56	\$13.59	\$20.60	\$15.90	\$18.17
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$119.79)	(\$112.02)	(\$257.63)	(\$176.37)	(\$211.76)
Contact Hour	(\$6.04)	(\$6.22)	(\$13.18)	(\$8.32)	(\$10.13)

# PHYSICS

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	161	233	160	218	241
Contact Hours	3,328	4,704	3,216	3,072	4,192
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.34	0.79	0.31	0.44	0.44
Overload FTE	0.10	0.05	0.13	0.00	0.29
PT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Ind Study Contact Hrs	7.00	11.00	36.00	42.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	7,564	5,600	7,309	6,982	5,742
<b>REVENUES</b>					
Tuition	\$19,788	\$30,197	\$21,885	\$21,642	\$31,375
Excess CH Fee	0	0	0	0	0
Course Fees	1,510	6,100	5,465	7,240	7,425
<b>TOTAL REVENUES</b>	<b>\$21,298</b>	<b>\$36,297</b>	<b>\$27,350</b>	<b>\$28,882</b>	<b>\$38,800</b>
Revenue/ Credit Hr	\$132.29	\$155.78	\$170.94	\$132.49	\$160.99
Revenue/ Contact Hr	\$6.40	\$7.72	\$8.50	\$9.40	\$9.26
<b>EXPENDITURES</b>					
FT Faculty	\$22,276	\$52,134	\$20,580	\$30,162	\$29,373
Overload	1,840	920	3,094	0	6,902
Preps, etc	120	145	0	0	0
PT Faculty - KCC	0	0	0	0	0
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	654	1,027	2,340	2,730	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	14,171	30,094	12,111	17,246	17,961
Classroom Supplies	989	797	1,125	720	600
Equipment	5,918	5,918	215	0	0
Other	1,021	346	101	2,222	240
<b>TOTAL EXPENDITURES</b>	<b>\$46,989</b>	<b>\$91,382</b>	<b>\$39,566</b>	<b>\$53,079</b>	<b>\$55,076</b>
Exps/ Credit Hr	\$291.86	\$392.20	\$247.29	\$243.48	\$228.53
Exps/ Contact Hr	\$14.12	\$19.43	\$12.30	\$17.28	\$13.14
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$159.57)	(\$236.42)	(\$76.35)	(\$111.00)	(\$67.53)
Contact Hour	(\$7.72)	(\$11.71)	(\$3.80)	(\$7.88)	(\$3.88)

# HEALTH EDUCATION

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	18	5	7	4	4
Contact Hours	288	84	112	68	64
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.00	0.01	0.02	0.01	0.01
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	0.04	0.02	0.00	0.00	0.00
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	7,200	2,800	5,600	6,750	6,400
<b>REVENUES</b>					
Tuition	\$1,745	\$540	\$762	\$476	\$479
Excess CH Fee	0	0	0	0	0
Course Fees	2,690	1,050	2,800	1,560	1,600
<b>TOTAL REVENUES</b>	<b>\$4,435</b>	<b>\$1,590</b>	<b>\$3,562</b>	<b>\$2,036</b>	<b>\$2,079</b>
Revenue/ Credit Hr	\$246.37	\$302.91	\$508.88	\$542.81	\$519.75
Revenue/ Contact Hr	\$15.40	\$18.93	\$31.80	\$30.16	\$32.48
<b>EXPENDITURES</b>					
FT Faculty	\$0	\$660	\$1,328	\$686	\$668
Overload	0	0	0	0	0
Preps, etc	0	12	1	0	0
PT Faculty - KCC	1,118	1,030	0	0	0
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	359	715	667	371	356
Classroom Supplies	0	212	0	0	0
Equipment	0	0	0	0	0
Other	0	15	11	0	0
<b>TOTAL EXPENDITURES</b>	<b>\$1,476</b>	<b>\$2,644</b>	<b>\$2,006</b>	<b>\$1,057</b>	<b>\$1,023</b>
Exps/ Credit Hr	\$82.02	\$503.63	\$286.61	\$281.78	\$255.81
Exps/ Contact Hr	\$5.13	\$31.48	\$17.91	\$15.65	\$15.99
<b>REV/ (COST) PER -</b>					
Credit Hour	\$164.35	(\$200.72)	\$222.27	\$261.03	\$263.94
Contact Hour	\$10.27	(\$12.54)	\$13.89	\$14.50	\$16.50

# CRIMINAL JUSTICE

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	499	407	369	556	414
Contact Hours	8,480	6,864	6,288	9,152	6,688
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.38	0.67	0.50	0.50	0.00
Overload FTE	0.05	0.14	0.13	0.13	0.00
PT Faculty FTE	0.70	0.27	0.55	0.23	0.60
Ind Study Contact Hrs	18.00	27.00	12.00	36.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	7,504	6,356	5,329	10,642	11,147
<b>REVENUES</b>					
Tuition	\$50,421	\$44,063	\$42,789	\$64,476	\$50,056
Excess CH Fee	0	0	0	0	0
Course Fees	2,385	3,780	2,270	3,380	360
<b>TOTAL REVENUES</b>	<b>\$52,806</b>	<b>\$47,843</b>	<b>\$45,059</b>	<b>\$67,856</b>	<b>\$50,416</b>
Revenue/ Credit Hr	\$105.82	\$117.55	\$122.11	\$122.04	\$121.78
Revenue/ Contact Hr	\$6.23	\$6.97	\$7.17	\$7.41	\$7.54
<b>EXPENDITURES</b>					
FT Faculty	\$24,896	\$44,215	\$33,194	\$34,275	\$0
Overload	863	2,415	2,821	2,821	0
Preps, etc	146	0	180	720	0
PT Faculty - KCC	18,105	11,633	9,317	14,079	14,948
PT Faculty - EDUSTAFF	0	0	0	2,584	376
Independent Study	146	0	180	720	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	21,084	29,559	20,754	24,700	5,006
Classroom Supplies	4,899	3,228	3,781	2,994	1,379
Equipment	0	0	0	0	0
Other	3,172	1,893	1,902	3,298	2,013
<b>TOTAL EXPENDITURES</b>	<b>\$73,311</b>	<b>\$92,944</b>	<b>\$72,128</b>	<b>\$86,191</b>	<b>\$23,722</b>
Exps/ Credit Hr	\$146.92	\$228.36	\$195.47	\$155.02	\$57.30
Exps/ Contact Hr	\$8.65	\$13.54	\$11.47	\$9.42	\$3.55
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$41.09)	(\$110.81)	(\$73.36)	(\$32.98)	\$64.48
Contact Hour	(\$2.42)	(\$6.57)	(\$4.30)	(\$2.00)	\$3.99

# CRIMINAL JUSTICE ACADEMY

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	567	462	504	630	399
Contact Hours	18,144	14,784	16,128	20,160	12,768
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	n/a	n/a	n/a	n/a	n/a
FT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	4.27	4.07	3.52	4.08	2.72
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	4,249	3,632	4,582	4,941	4,694
<b>REVENUES</b>					
Tuition	\$107,882	\$94,905	\$109,750	\$142,028	\$95,561
Excess CH Fee	0	0	0	0	0
Course Fees	29,655	29,655	38,575	48,415	30,765
<b>TOTAL REVENUES</b>	<b>\$137,537</b>	<b>\$124,560</b>	<b>\$148,325</b>	<b>\$190,443</b>	<b>\$126,326</b>
Revenue/ Credit Hr	\$242.57	\$269.61	\$294.30	\$302.29	\$316.61
Revenue/ Contact Hr	\$7.58	\$8.43	\$9.20	\$9.45	\$9.89
<b>EXPENDITURES</b>					
FT Faculty	\$0	\$0	\$0	\$0	\$0
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	75,537	50,268	46,515	27,576	14,393
PT Faculty - EDUSTAFF	0	0	0	28,808	30,187
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	24,255	16,533	15,206	9,235	4,820
Classroom Supplies	5,548	21,439	12,147	13,317	4,872
Equipment	2,068	0	0	0	63
Other	14,269	12,737	8,907	9,593	6,701
<b>TOTAL EXPENDITURES</b>	<b>\$121,678</b>	<b>\$100,977</b>	<b>\$82,775</b>	<b>\$88,530</b>	<b>\$61,036</b>
Exps/ Credit Hr	\$214.60	\$218.56	\$164.24	\$140.52	\$152.97
Exps/ Contact Hr	\$6.71	\$6.83	\$5.13	\$4.39	\$4.78
<b>REV/ (COST) PER -</b>					
Credit Hour	\$27.97	\$51.05	\$130.06	\$161.77	\$163.63
Contact Hour	\$0.87	\$1.60	\$4.06	\$5.06	\$5.11

## BUSINESS

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	1,162	1,456	1,746	1,521	1,634
Contact Hours	18,592	23,296	27,936	24,336	26,144
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	1.39	1.61	1.52	1.63	1.63
Overload FTE	0.38	0.19	0.21	0.45	0.03
PT Faculty FTE	0.33	0.83	1.07	1.65	1.50
Ind Study Contact Hrs	36.00	13.00	12.00	3.00	12.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	8,853	8,858	9,977	6,524	8,273
<b>REVENUES</b>					
Tuition	\$110,546	\$149,547	\$190,103	\$171,448	\$195,673
Excess CH Fee	0	0	0	0	0
Course Fees	16,385	38,590	51,760	50,490	50,845
<b>TOTAL REVENUES</b>	<b>\$126,931</b>	<b>\$188,137</b>	<b>\$241,863</b>	<b>\$221,938</b>	<b>\$246,518</b>
Revenue/ Credit Hr	\$109.23	\$129.22	\$138.52	\$145.92	\$150.87
Revenue/ Contact Hr	\$6.83	\$8.08	\$8.66	\$9.12	\$9.43
<b>EXPENDITURES</b>					
FT Faculty	\$91,069	\$106,249	\$100,910	\$111,737	\$108,814
Overload	6,555	3,278	4,704	10,080	672
Preps, etc	750	2,240	510	1,000	1,678
PT Faculty - KCC	7,028	14,639	18,462	4,385	22,737
PT Faculty - EDUSTAFF	0	0	0	22,902	10,857
Independent Study	3,364	1,214	780	195	780
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	60,185	66,957	58,666	65,745	67,767
Classroom Supplies	1,222	328	299	0	237
Equipment	0	0	0	0	0
Other	226	152	2,702	1,457	156
<b>TOTAL EXPENDITURES</b>	<b>\$170,399</b>	<b>\$195,056</b>	<b>\$187,033</b>	<b>\$217,501</b>	<b>\$213,696</b>
Exps/ Credit Hr	\$146.64	\$133.97	\$107.12	\$143.00	\$130.78
Exps/ Contact Hr	\$9.17	\$8.37	\$6.70	\$8.94	\$8.17
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$37.41)	(\$4.75)	\$31.40	\$2.92	\$20.09
Contact Hour	(\$2.34)	(\$0.30)	\$1.96	\$0.18	\$1.26

# COMPUTER INFORMATION SCIENCE

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	1,374	1,203	1,094	1,010	884
Contact Hours	21,984	19,248	17,696	16,608	14,672
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	1.07	1.54	1.62	1.56	1.56
Overload FTE	0.56	0.39	0.19	3.50	0.28
PT Faculty FTE	1.14	0.50	0.10	0.97	0.97
Ind Study Contact Hrs	14.00	2.00	41.00	30.00	21.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	7,936	7,921	9,265	2,754	5,221
<b>REVENUES</b>					
Tuition	\$130,861	\$123,584	\$120,420	\$117,004	\$109,811
Excess CH Fee	0	0	0	0	0
Course Fees	16,257	23,875	30,225	32,165	28,375
<b>TOTAL REVENUES</b>	<b>\$147,118</b>	<b>\$147,459</b>	<b>\$150,645</b>	<b>\$149,169</b>	<b>\$138,186</b>
Revenue/ Credit Hr	\$107.07	\$122.58	\$137.70	\$147.69	\$156.32
Revenue/ Contact Hr	\$6.69	\$7.66	\$8.51	\$8.98	\$9.42
<b>EXPENDITURES</b>					
FT Faculty	\$70,103	\$101,629	\$107,549	\$106,938	\$104,141
Overload	9,661	6,728	4,256	78,400	6,272
Preps, etc	0	0	420	200	60
PT Faculty - KCC	22,506	11,413	16,279	15,364	15,629
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	1,308	187	2,665	1,950	1,365
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	52,704	63,350	61,726	90,024	63,371
Classroom Supplies	1,706	1,657	1,270	0	266
Equipment	0	0	0	0	0
Other	2,824	2,005	515	121	26
<b>TOTAL EXPENDITURES</b>	<b>\$160,812</b>	<b>\$186,970</b>	<b>\$194,680</b>	<b>\$292,997</b>	<b>\$191,131</b>
Exps/ Credit Hr	\$117.04	\$155.42	\$177.95	\$290.10	\$216.21
Exps/ Contact Hr	\$7.31	\$9.71	\$11.00	\$17.64	\$13.03
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$9.97)	(\$32.84)	(\$40.25)	(\$142.40)	(\$59.89)
Contact Hour	(\$0.62)	(\$2.05)	(\$2.49)	(\$8.66)	(\$3.61)

# OFFICE INFORMATION SCIENCE

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	1,295	1,259	690	345	228
Contact Hours	20,720	20,144	11,040	5,520	3,648
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	480	480	496	496	496
FT Faculty FTE	0.93	0.85	0.62	0.14	0.14
Overload FTE	0.01	0.02	0.11	0.05	0.24
PT Faculty FTE	1.30	1.46	0.39	0.49	0.00
Ind Study Contact Hrs	0.00	0.00	0.00	84.00	12.00
Parapro FTE	0.73	0.56	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	9,250	8,645	9,857	8,118	9,600
<b>REVENUES</b>					
Tuition	\$123,199	\$129,313	\$75,127	\$38,889	\$27,303
Excess CH Fee	0	0	0	0	0
Course Fees	8,795	33,060	26,100	16,530	11,080
<b>TOTAL REVENUES</b>	<b>\$131,994</b>	<b>\$162,373</b>	<b>\$101,227</b>	<b>\$55,419</b>	<b>\$38,383</b>
Revenue/ Credit Hr	\$101.93	\$128.97	\$146.71	\$160.63	\$168.35
Revenue/ Contact Hr	\$6.37	\$8.06	\$9.17	\$10.04	\$10.52
<b>EXPENDITURES</b>					
FT Faculty	\$60,931	\$56,094	\$41,161	\$9,597	\$9,346
Overload	173	345	2,464	1,120	5,376
Preps, etc	20	80	0	676	180
PT Faculty - KCC	22,154	21,099	12,973	8,792	814
PT Faculty - EDUSTAFF	0	0	0	2,545	1,843
Independent Study	0	0	0	5,460	780
Paraprofessionals	33,883	3,888	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	54,521	39,997	25,715	10,571	7,901
Classroom Supplies	841	384	1,225	0	66
Equipment	0	0	0	0	0
Other	1,798	2,944	436	822	896
<b>TOTAL EXPENDITURES</b>	<b>\$174,320</b>	<b>\$124,831</b>	<b>\$83,973</b>	<b>\$39,582</b>	<b>\$27,202</b>
Exps/ Credit Hr	\$134.61	\$99.15	\$121.70	\$114.73	\$119.31
Exps/ Contact Hr	\$8.41	\$6.20	\$7.61	\$7.17	\$7.46
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$32.68)	\$29.82	\$25.01	\$45.90	\$49.04
Contact Hour	(\$2.04)	\$1.86	\$1.56	\$2.87	\$3.06



## HEALTH INFO TECH

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours		105	751	744	949
Contact Hours		1,680	12,016	11,904	17,744
Excess Contact Hours		0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)		480	496	496	496
FT Faculty FTE		0.10	1.02	0.68	1.68
Overload FTE		0.00	0.06	0.06	0.37
PT Faculty FTE		0.00	0.10	0.78	0.24
Ind Study Contact Hrs		0.00	0.00	36.00	43.00
Parapro FTE		0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE		0.00	0.00	0.00	0.00
SCOH per FTE		16,800	10,183	7,832	7,748
<b>REVENUES</b>					
Tuition	\$10,785	\$81,768	\$83,864	\$132,804	
Excess CH Fee	0	0	0	0	
Course Fees	3,540	37,600	34,920	40,200	
<b>TOTAL REVENUES</b>	<b>\$14,325</b>	<b>\$119,368</b>	<b>\$118,784</b>	<b>\$173,004</b>	
Revenue/ Credit Hr	\$136.43	\$158.95	\$159.66	\$182.30	
Revenue/ Contact Hr	\$8.53	\$9.93	\$9.98	\$9.75	
<b>EXPENDITURES</b>					
FT Faculty	\$6,599	\$67,716	\$46,614	\$112,152	
Overload	0	1,344	1,344	8,288	
Preps, etc	0	0	780	2,164	
PT Faculty - KCC	0	0	4,228	5,593	
PT Faculty - EDUSTAFF	0	0	10,566	1,822	
Independent Study	0	0	2,340	2,795	
Paraprofessionals	0	0	0	0	
Student Wages	0	0	0	0	
Fringe Benefits	3,722	34,442	28,151	66,062	
Classroom Supplies	0	0	1,345	1,823	
Equipment	0	0	0	0	
Other	0	0	35	204	
<b>TOTAL EXPENDITURES</b>	<b>\$10,322</b>	<b>\$103,502</b>	<b>\$95,403</b>	<b>\$200,903</b>	
Exps/ Credit Hr	\$98.30	\$137.82	\$128.23	\$211.70	
Exps/ Contact Hr	\$6.14	\$8.61	\$8.01	\$11.32	
<b>REV/ (COST) PER -</b>					
Credit Hour	\$38.13	\$21.13	\$31.43	(\$29.40)	
Contact Hour	\$2.38	\$1.32	\$1.96	(\$1.57)	

# COSMETOLOGY

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	877	779	559	692	666
Contact Hours	22,043	19,536	14,200	17,728	17,088
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	896	896	1,505	1,505	1,505
FT Faculty FTE	1.00	1.00	1.00	1.00	1.00
Overload FTE	0.00	0.00	0.07	0.00	0.00
PT Faculty FTE	2.42	2.05	0.78	0.79	0.68
Ind Study Contact Hrs	11.00	6.00	0.00	2.00	1.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	6,445	6,405	7,676	9,904	10,171
<b>REVENUES</b>					
Tuition	\$131,065	\$125,410	\$96,630	\$124,894	\$127,894
Excess CH Fee	0	0	0	0	0
Course Fees	13,230	16,050	19,690	22,455	22,915
<b>TOTAL REVENUES</b>	<b>\$144,295</b>	<b>\$141,460</b>	<b>\$116,320</b>	<b>\$147,349</b>	<b>\$150,809</b>
Revenue/ Credit Hr	\$164.63	\$181.71	\$208.09	\$213.09	\$226.44
Revenue/ Contact Hr	\$6.55	\$7.24	\$8.19	\$8.31	\$8.83
<b>EXPENDITURES</b>					
FT Faculty	\$65,517	\$65,993	\$66,388	\$68,550	\$66,757
Overload	0	0	4,658	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	84,087	49,741	37,749	12,149	24,570
PT Faculty - EDUSTAFF	0	0	0	23,358	15,168
Independent Study	1,028	560	0	130	65
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	66,541	53,766	47,199	41,229	43,817
Classroom Supplies	13,459	10,298	10,846	10,974	11,541
Equipment	0	0	0	10,868	0
Other	1,390	1,048	864	1,507	1,568
<b>TOTAL EXPENDITURES</b>	<b>\$232,022</b>	<b>\$181,408</b>	<b>\$167,705</b>	<b>\$168,764</b>	<b>\$163,485</b>
Exps/ Credit Hr	\$264.71	\$233.02	\$300.01	\$244.06	\$245.47
Exps/ Contact Hr	\$10.53	\$9.29	\$11.81	\$9.52	\$9.57
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$100.09)	(\$51.31)	(\$91.92)	(\$30.97)	(\$19.03)
Contact Hour	(\$3.98)	(\$2.04)	(\$3.62)	(\$1.21)	(\$0.74)

## MEDIA PRODUCTION

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	813	633	501	372	129
Contact Hours	17,344	13,504	10,688	7,936	2,752
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	528	528	528	528	528
FT Faculty FTE	0.98	1.08	0.99	0.88	0.44
Overload FTE	0.62	0.41	0.12	0.06	0.07
PT Faculty FTE	0.63	0.51	0.24	0.00	0.12
Ind Study Contact Hrs	0.00	0.00	4.00	4.00	28.00
Parapro FTE	0.13	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	7,778	6,752	7,917	8,443	4,368
<b>REVENUES</b>					
Tuition	\$103,558	\$86,712	\$72,703	\$55,909	\$20,597
Excess CH Fee	0	0	0	0	0
Course Fees	27,875	25,850	21,055	14,840	4,990
<b>TOTAL REVENUES</b>	<b>\$131,433</b>	<b>\$112,562</b>	<b>\$93,758</b>	<b>\$70,749</b>	<b>\$25,587</b>
Revenue/ Credit Hr	\$161.66	\$177.82	\$187.14	\$190.19	\$198.35
Revenue/ Contact Hr	\$7.58	\$8.34	\$8.77	\$8.91	\$9.30
<b>EXPENDITURES</b>					
FT Faculty	\$64,207	\$71,272	\$65,724	\$60,324	\$29,373
Overload	11,725	7,769	2,856	1,428	1,666
Preps, etc	450	0	0	0	0
PT Faculty - KCC	8,247	10,341	5,852	2,158	2,297
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	0	260	260	1,820
Paraprofessionals	0	0	0	0	0
Student Wages	2,464	2,097	1,978	2,015	1,554
Fringe Benefits	44,983	46,156	35,934	33,951	17,586
Classroom Supplies	10,370	17,826	14,025	3,792	6,379
Equipment	5,046	0	0	0	0
Other	2,509	5,534	4,913	2,645	2,961
<b>TOTAL EXPENDITURES</b>	<b>\$150,001</b>	<b>\$160,996</b>	<b>\$131,543</b>	<b>\$106,573</b>	<b>\$63,636</b>
Exps/ Credit Hr	\$184.50	\$254.34	\$262.56	\$286.49	\$493.30
Exps/ Contact Hr	\$8.65	\$11.92	\$12.31	\$13.43	\$23.12
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$22.84)	(\$76.52)	(\$75.42)	(\$96.30)	(\$294.95)
Contact Hour	(\$1.07)	(\$3.59)	(\$3.54)	(\$4.51)	(\$13.83)

# DESIGN TECHNOLOGIES

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	138	60	57	69	102
Contact Hours	2,752	1,280	1,216	1,472	1,984
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.20	0.00	0.00	0.00	0.00
Overload FTE	0.05	0.00	0.00	0.00	0.00
PT Faculty FTE	0.13	0.13	0.54	0.69	0.36
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	7,242	9,846	2,252	2,133	5,511
<b>REVENUES</b>					
Tuition	\$16,768	\$8,245	\$8,230	\$10,361	\$17,079
Excess CH Fee	0	0	0	0	0
Course Fees	604	507	475	575	775
<b>TOTAL REVENUES</b>	<b>\$17,372</b>	<b>\$8,752</b>	<b>\$8,705</b>	<b>\$10,936</b>	<b>\$17,854</b>
Revenue/ Credit Hr	\$125.88	\$145.87	\$152.71	\$158.49	\$175.03
Revenue/ Contact Hr	\$6.31	\$6.84	\$7.16	\$7.43	\$9.00
<b>EXPENDITURES</b>					
FT Faculty	\$13,103	\$0	\$0	\$0	\$0
Overload	920	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	2,090	2,240	9,176	4,570	4,570
PT Faculty - EDUSTAFF	0	0	0	10,092	1,521
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	8,808	737	3,000	1,530	1,530
Classroom Supplies	2	92	2,164	0	556
Equipment	0	0	0	0	0
Other	17	6	80	83	69
<b>TOTAL EXPENDITURES</b>	<b>\$24,940</b>	<b>\$3,074</b>	<b>\$14,419</b>	<b>\$16,275</b>	<b>\$8,246</b>
Exps/ Credit Hr	\$180.73	\$51.23	\$252.97	\$235.87	\$80.84
Exps/ Contact Hr	\$9.06	\$2.40	\$11.86	\$11.06	\$4.16
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$54.84)	\$94.64	(\$100.26)	(\$77.39)	\$94.19
Contact Hour	(\$2.75)	\$4.44	(\$4.70)	(\$3.63)	\$4.84

# AUTOMOTIVE TECHNOLOGIES

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	903	750	707	917	734
Contact Hours	20,256	16,592	15,760	20,496	16,368
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	1.00	1.00	1.00	1.00	1.00
Overload FTE	0.09	0.09	0.21	0.24	0.24
PT Faculty FTE	1.35	1.22	1.03	0.97	0.88
Ind Study Contact Hrs	0.00	10.00	10.00	0.00	0.00
Parapro FTE	0.33	0.32	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	8,302	7,183	7,036	9,274	7,721
<b>REVENUES</b>					
Tuition	\$120,440	\$106,511	\$107,246	\$144,395	\$122,505
Excess CH Fee	0	0	0	0	0
Course Fees	20	84	9,625	11,055	34,460
<b>TOTAL REVENUES</b>	<b>\$120,460</b>	<b>\$106,595</b>	<b>\$116,871</b>	<b>\$155,450</b>	<b>\$156,965</b>
Revenue/ Credit Hr	\$133.40	\$142.13	\$165.31	\$169.52	\$213.85
Revenue/ Contact Hr	\$5.95	\$6.42	\$7.42	\$7.58	\$9.59
<b>EXPENDITURES</b>					
FT Faculty	\$65,517	\$65,993	\$66,388	\$68,550	\$66,757
Overload	1,656	1,656	4,998	5,712	5,712
Preps, etc	200	600	500	540	540
PT Faculty - KCC	26,978	20,700	18,564	16,039	14,376
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	934	650	0	0
Paraprofessionals	15,204	14,266	2,009	11,917	12,097
Student Wages	3,844	2,362	2,459	523	230
Fringe Benefits	53,351	49,772	42,072	48,573	46,526
Classroom Supplies	10,760	6,141	9,795	11,054	11,480
Equipment	4,069	0	0	27,021	6,986
Other	4,322	3,703	2,512	5,479	10,654
<b>TOTAL EXPENDITURES</b>	<b>\$185,901</b>	<b>\$166,127</b>	<b>\$149,947</b>	<b>\$195,408</b>	<b>\$175,358</b>
Exps/ Credit Hr	\$205.87	\$221.50	\$212.09	\$213.09	\$238.91
Exps/ Contact Hr	\$9.18	\$10.01	\$9.51	\$9.53	\$10.71
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$72.47)	(\$79.38)	(\$46.78)	(\$43.57)	(\$25.06)
Contact Hour	(\$3.23)	(\$3.59)	(\$2.10)	(\$1.95)	(\$1.12)

# MANUFACTURING TECHNOLOGIES

	2010-11	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	181	23	0	51	111
Contact Hours	4,349	549	0	1,122	2,479
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.30	0.00	0.00	0.00	0.00
Overload FTE	0.06	0.00	0.00	0.00	0.00
PT Faculty FTE	0.62	0.16	0.00	0.11	0.65
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.25	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	4,438	3,431	#DIV/0!	10,200	3,814
<b>REVENUES</b>					
Tuition	\$26,410	\$3,524	\$0	\$7,899	\$21,115
Excess CH Fee	0	0	0	0	0
Course Fees	9,343	1,317	0	1,992	5,562
<b>TOTAL REVENUES</b>	<b>\$35,753</b>	<b>\$4,841</b>	<b>\$0</b>	<b>\$9,891</b>	<b>\$26,677</b>
Revenue/ Credit Hr	\$197.44	\$210.67	#DIV/0!	\$194.44	\$240.70
Revenue/ Contact Hr	\$8.22	\$8.82	#DIV/0!	\$8.82	\$10.76
<b>EXPENDITURES</b>					
FT Faculty	\$19,655	\$0	\$0	\$0	\$0
Overload	1,104	0	0	0	0
Preps, etc	300	0	0	0	0
PT Faculty - KCC	13,243	3,542	0	0	0
PT Faculty - EDUSTAFF	0	0	0	3,911	14,995
Independent Study	0	0	0	0	0
Paraprofessionals	12,873	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	20,600	1,165	0	0	0
Classroom Supplies	5,417	0	2,036	1,507	2,961
Equipment	0	0	0	0	0
Other	1,951	0	878	75	15
<b>TOTAL EXPENDITURES</b>	<b>\$75,142</b>	<b>\$4,706</b>	<b>\$2,914</b>	<b>\$5,493</b>	<b>\$17,971</b>
Exps/ Credit Hr	\$414.97	\$204.81	#DIV/0!	\$107.97	\$162.15
Exps/ Contact Hr	\$17.28	\$8.57	#DIV/0!	\$4.90	\$7.25
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$217.52)	\$5.87	#DIV/0!	\$86.46	\$78.55
Contact Hour	(\$9.06)	\$0.25	#DIV/0!	\$3.92	\$3.51

## WELDING TECHNOLOGIES

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	546	561	879	1,142	1,227
Contact Hours	13,091	13,384	20,383	26,520	28,408
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.58	0.97	1.00	1.00	1.00
Overload FTE	0.08	0.00	0.00	0.00	0.00
PT Faculty FTE	1.49	1.26	1.94	2.68	2.71
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.50	0.33	0.50	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	6,089	6,002	6,933	7,207	7,657
<b>REVENUES</b>					
Tuition	\$79,622	\$86,140	\$137,948	\$186,670	\$241,007
Excess CH Fee	0	0	0	0	0
Course Fees	50,683	67,023	117,838	151,893	136,903
<b>TOTAL REVENUES</b>	<b>\$130,305</b>	<b>\$153,163</b>	<b>\$255,786</b>	<b>\$338,563</b>	<b>\$377,910</b>
Revenue/ Credit Hr	\$238.86	\$272.99	\$291.02	\$296.47	\$308.00
Revenue/ Contact Hr	\$9.95	\$11.44	\$12.55	\$12.77	\$13.30
<b>EXPENDITURES</b>					
FT Faculty	\$38,000	\$64,013	\$66,388	\$68,550	\$66,757
Overload	1,472	0	0	0	0
Preps, etc	600	600	0	0	0
PT Faculty - KCC	32,127	17,147	40,243	37,929	26,284
PT Faculty - EDUSTAFF	0	0	0	14,507	28,909
Independent Study	0	0	0	0	0
Paraprofessionals	25,675	17,326	38,009	0	49,753
Student Wages	0	0	0	13,111	0
Fringe Benefits	41,967	47,641	58,917	49,819	61,032
Classroom Supplies	39,167	34,807	35,496	41,804	49,437
Equipment	5,260	24,469	20,670	0	0
Other	3,630	8,045	10,670	10,857	11,368
<b>TOTAL EXPENDITURES</b>	<b>\$187,900</b>	<b>\$214,047</b>	<b>\$270,394</b>	<b>\$236,577</b>	<b>\$293,539</b>
Exps/ Credit Hr	\$344.43	\$381.50	\$307.64	\$207.16	\$239.23
Exps/ Contact Hr	\$14.35	\$15.99	\$13.27	\$8.92	\$10.33
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$105.57)	(\$108.52)	(\$16.62)	\$89.30	\$68.76
Contact Hour	(\$4.40)	(\$4.55)	(\$0.72)	\$3.85	\$2.97

# MECHATRONICS

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours		154	220	264	470
Contact Hours		3,404	4,580	5,520	9,472
Excess Contact Hours		0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)		512	528	528	528
FT Faculty FTE		0.21	0.36	0.38	0.33
Overload FTE		0.01	0.00	0.00	0.00
PT Faculty FTE		0.34	0.20	0.24	0.63
Ind Study Contact Hrs		0.00	0.00	0.00	0.00
Parapro FTE		0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE		0.00	0.00	0.00	0.00
SCOH per FTE		6,078	8,179	8,903	9,867
<b>REVENUES</b>					
Tuition		\$21,926	\$30,999	\$38,852	\$81,536
Excess CH Fee		0	0	0	0
Course Fees		3,000	5,424	6,430	13,240
<b>TOTAL REVENUES</b>		<b>\$24,926</b>	<b>\$36,423</b>	<b>\$45,282</b>	<b>\$94,776</b>
Revenue/ Credit Hr		\$161.44	\$165.71	\$171.52	\$201.65
Revenue/ Contact Hr		\$7.32	\$7.95	\$8.20	\$10.01
<b>EXPENDITURES</b>					
FT Faculty		\$13,859	\$23,900	\$26,049	\$22,030
Overload		184	0	0	0
Preps, etc		0	0	0	0
PT Faculty - KCC		3,031	6,038	86	0
PT Faculty - EDUSTAFF		0	0	5,141	15,313
Independent Study		0	0	0	0
Paraprofessionals		0	0	0	0
Student Wages		0	0	0	274
Fringe Benefits		8,874	13,975	14,133	11,737
Classroom Supplies		2,419	17,488	3,565	4,099
Equipment		0	9,144	0	8,151
Other		546	1,798	2,429	3,314
<b>TOTAL EXPENDITURES</b>		<b>\$28,913</b>	<b>\$72,342</b>	<b>\$51,403</b>	<b>\$64,917</b>
Exps/ Credit Hr		\$187.26	\$329.13	\$194.71	\$138.12
Exps/ Contact Hr		\$8.49	\$15.79	\$9.31	\$6.85
<b>REV/ (COST) PER -</b>					
Credit Hour		(\$25.82)	(\$163.42)	(\$23.19)	\$63.53
Contact Hour		(\$1.17)	(\$7.84)	(\$1.11)	\$3.15



# PLATO

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	41	27	8	15	3
Contact Hours	984	648	192	360	72
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.04	0.07	0.01	0.01	0.01
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	24,600	9,257	19,200	36,000	7,200
<b>REVENUES</b>					
Tuition	\$6,065	\$4,174	\$1,299	\$2,534	\$620
Excess CH Fee	0	0	0	0	0
Course Fees	0	0	0	0	0
<b>TOTAL REVENUES</b>	<b>\$6,065</b>	<b>\$4,174</b>	<b>\$1,299</b>	<b>\$2,534</b>	<b>\$620</b>
Revenue/ Credit Hr	\$147.94	\$154.60	\$162.43	\$168.92	\$206.60
Revenue/ Contact Hr	\$6.16	\$6.44	\$6.77	\$7.04	\$8.61
<b>EXPENDITURES</b>					
FT Faculty	\$2,621	\$4,620	\$664	\$686	\$668
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	340	340	45	0	0
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	2,192	2,192	2,192	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	0	3,438	1,065	1,105	356
Classroom Supplies	0	0	0	0	0
Equipment	0	0	0	0	0
Other	0	0	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>\$2,961</b>	<b>\$10,590</b>	<b>\$3,966</b>	<b>\$3,984</b>	<b>\$1,023</b>
Exps/ Credit Hr	\$72.21	\$392.22	\$495.78	\$265.57	\$341.08
Exps/ Contact Hr	\$3.01	\$16.34	\$20.66	\$11.07	\$14.21
<b>REV/ (COST) PER -</b>					
Credit Hour	\$75.73	(\$237.62)	(\$333.36)	(\$96.65)	(\$134.48)
Contact Hour	\$3.16	(\$9.90)	(\$13.89)	(\$4.03)	(\$5.60)

# ELECTRICAL

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	244	293	203	307	260
Contact Hours	6,012	7,199	5,047	7,612	6,510
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.37	0.50	0.50	0.50	0.50
Overload FTE	0.00	0.02	0.00	0.00	0.00
PT Faculty FTE	0.51	0.01	0.38	0.38	0.58
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	6,832	13,582	5,735	8,649	6,028
<b>REVENUES</b>					
Tuition	\$37,058	\$46,371	\$34,157	\$53,573	\$56,039
Excess CH Fee	0	0	0	0	0
Course Fees	27,242	38,030	27,750	41,338	37,154
<b>TOTAL REVENUES</b>	<b>\$64,300</b>	<b>\$84,401</b>	<b>\$61,907</b>	<b>\$94,911</b>	<b>\$93,193</b>
Revenue/ Credit Hr	\$263.53	\$288.55	\$304.66	\$309.06	\$357.88
Revenue/ Contact Hr	\$10.70	\$11.72	\$12.27	\$12.47	\$14.32
<b>EXPENDITURES</b>					
FT Faculty	\$24,241	\$32,997	\$33,194	\$34,275	\$34,275
Overload	0	368	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	9,687	9,687	9,687	9,687	0
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	17,618	21,918	19,835	21,803	17,783
Classroom Supplies	0	0	0	0	0
Equipment	0	0	0	0	0
Other	0	0	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>\$51,547</b>	<b>\$64,970</b>	<b>\$62,716</b>	<b>\$65,765</b>	<b>\$52,058</b>
Exps/ Credit Hr	\$211.26	\$222.12	\$308.64	\$214.15	\$199.92
Exps/ Contact Hr	\$8.57	\$9.03	\$12.43	\$8.64	\$8.00
<b>REV/ (COST) PER -</b>					
Credit Hour	\$52.27	\$66.43	(\$3.98)	\$94.91	\$157.97
Contact Hour	\$2.12	\$2.70	(\$0.16)	\$3.83	\$6.32

# HVAC

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	186	189	134	145	272
Contact Hours	4,512	4,599	3,314	3,618	6,617
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	0.97	0.45	0.37	0.36	0.79
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	4,651	10,220	8,955	10,049	8,376
<b>REVENUES</b>					
Tuition	\$27,809	\$29,625	\$22,425	\$25,461	\$56,960
Excess CH Fee	0	0	0	0	0
Course Fees	20,859	24,986	17,561	20,668	36,132
<b>TOTAL REVENUES</b>	<b>\$48,668</b>	<b>\$54,611</b>	<b>\$39,986</b>	<b>\$46,129</b>	<b>\$93,092</b>
Revenue/ Credit Hr	\$262.36	\$288.95	\$297.74	\$318.79	\$342.00
Revenue/ Contact Hr	\$10.79	\$11.87	\$12.07	\$12.75	\$14.07
<b>EXPENDITURES</b>					
FT Faculty	\$0	\$0	\$0	\$0	\$0
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	21,911	21,911	21,911	21,911	0
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	7,036	7,207	7,163	7,338	0
Classroom Supplies	0	0	0	0	0
Equipment	0	0	0	0	0
Other	0	0	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>\$28,947</b>	<b>\$29,118</b>	<b>\$29,074</b>	<b>\$29,249</b>	<b>\$0</b>
Exps/ Credit Hr	\$156.05	\$154.06	\$216.48	\$202.14	\$0.00
Exps/ Contact Hr	\$6.42	\$6.33	\$8.77	\$8.09	\$0.00
<b>REV/ (COST) PER -</b>					
Credit Hour	\$106.31	\$134.89	\$81.25	\$116.66	\$342.00
Contact Hour	\$4.37	\$5.54	\$3.29	\$4.67	\$14.07

# CARPENTRY

2011-12    2012-13    2013-14    2014-15    2015-16

## ENROLLMENT

Credit Hours	29	78	78	153	0
Contact Hours	723	2,080	2,080	4,080	#REF!
Excess Contact Hours	0	0	0	0	#REF!

## STAFFING

FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	0.50	1.07	0.65	0.87	0.00
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	1,445	1,944	3,200	4,690	#REF!

## REVENUES

Tuition	\$4,454	\$13,399	\$14,077	\$28,717	\$0
Excess CH Fee	0	0	0	0	0
Course Fees	1,413	0	0	0	0

<b>TOTAL REVENUES</b>	<b>\$5,867</b>	<b>\$13,399</b>	<b>\$14,077</b>	<b>\$28,717</b>	<b>\$0</b>
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Revenue/ Credit Hr	\$205.13	\$171.78	\$180.47	\$187.69	\$0.00
Revenue/ Contact Hr	\$8.12	\$6.44	\$6.77	\$7.04	#REF!

## EXPENDITURES

FT Faculty	\$0	\$0	\$0	\$0	\$0
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	17,439	17,439	17,439	17,439	0
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	5,600	5,736	5,701	5,840	0
Classroom Supplies	0	0	0	0	0
Equipment	0	0	0	0	0
Other	0	0	0	0	0

<b>TOTAL EXPENDITURES</b>	<b>\$23,039</b>	<b>\$23,175</b>	<b>\$23,140</b>	<b>\$23,279</b>	<b>\$0</b>
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Exps/ Credit Hr	\$805.55	\$297.11	\$296.66	\$152.15	\$0.00
Exps/ Contact Hr	\$31.89	\$11.14	\$11.12	\$5.71	#REF!

## REV/ (COST) PER -

Credit Hour	(\$600.42)	(\$125.33)	(\$116.19)	\$35.54	\$0.00
Contact Hour	(\$23.77)	(\$4.70)	(\$4.36)	\$1.33	#REF!

# NURSING

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	4,824	4,514	4,441	2,911	2,674
Contact Hours	122,623	120,697	119,232	78,464	64,536
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	4.62	5.16	4.74	4.29	3.99
Overload FTE	1.30	1.49	0.59	0.46	0.08
PT Faculty FTE	12.90	11.68	12.97	6.72	6.66
Ind Study Contact Hrs	1.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	1.00	1.00	1.00	1.00	1.00
SCOH per FTE	6,516	6,585	6,515	6,841	6,015
<b>REVENUES</b>					
Tuition	\$733,173	\$775,237	\$811,263	\$552,782	\$483,015
Excess CH Fee	0	0	0	0	0
Course Fees	97,821	94,494	134,680	166,900	135,225
<b>TOTAL REVENUES</b>	<b>\$830,994</b>	<b>\$869,731</b>	<b>\$945,943</b>	<b>\$719,682</b>	<b>\$618,240</b>
Revenue/ Credit Hr	\$172.28	\$192.67	\$213.00	\$247.23	\$231.25
Revenue/ Contact Hr	\$6.78	\$7.21	\$7.93	\$9.17	\$9.58
<b>EXPENDITURES</b>					
FT Faculty	\$302,689	\$340,524	\$314,679	\$294,080	\$266,360
Overload	23,922	27,418	14,042	10,948	1,904
Preps, etc	3,811	4,646	1,566	1,032	2,800
PT Faculty - KCC	250,585	205,759	243,101	93,401	74,738
PT Faculty - EDUSTAFF	0	0	0	93,977	98,250
Independent Study	93	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	288,721	285,804	254,220	208,683	181,126
Classroom Supplies	18,653	14,171	20,299	10,705	9,791
Equipment	0	8,567	79,609	8,998	13,826
Other	76,461	76,675	79,361	71,021	45,629
<b>TOTAL EXPENDITURES</b>	<b>\$964,934</b>	<b>\$963,563</b>	<b>\$1,006,877</b>	<b>\$792,846</b>	<b>\$694,424</b>
Exps/ Credit Hr	\$200.05	\$213.46	\$226.72	\$272.36	\$259.74
Exps/ Contact Hr	\$7.87	\$7.98	\$8.44	\$10.10	\$10.76
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$27.77)	(\$20.79)	(\$13.72)	(\$25.13)	(\$28.50)
Contact Hour	(\$1.09)	(\$0.78)	(\$0.51)	(\$0.93)	(\$1.18)

# CERTIFIED NURSING ASSISTANT

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	564	576	516	354	252
Contact Hours	12,032	12,288	10,600	7,080	5,040
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	2.53	2.09	1.50	1.59	0.77
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	4,756	5,879	7,067	4,453	6,545
<b>REVENUES</b>					
Tuition	\$72,574	\$78,985	\$71,973	\$49,861	\$37,721
Excess CH Fee	0	0	0	0	0
Course Fees	15,840	19,200	17,200	9,000	5,200
<b>TOTAL REVENUES</b>	<b>\$88,414</b>	<b>\$98,185</b>	<b>\$89,173</b>	<b>\$58,861</b>	<b>\$42,921</b>
Revenue/ Credit Hr	\$156.76	\$170.46	\$172.82	\$166.27	\$170.32
Revenue/ Contact Hr	\$7.35	\$7.99	\$8.41	\$8.31	\$8.52
<b>EXPENDITURES</b>					
FT Faculty	\$0	\$0	\$0	\$0	\$0
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	41,264	36,012	40,882	6,181	2,757
PT Faculty - EDUSTAFF	0	0	0	25,310	18,074
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	13,250	11,844	13,364	2,070	923
Classroom Supplies	1,092	147	461	1,276	364
Equipment	0	0	0	0	0
Other	1,571	1,366	1,395	2,422	254
<b>TOTAL EXPENDITURES</b>	<b>\$57,177</b>	<b>\$49,369</b>	<b>\$56,102</b>	<b>\$37,259</b>	<b>\$22,373</b>
Exps/ Credit Hr	\$101.38	\$85.71	\$108.72	\$105.25	\$88.78
Exps/ Contact Hr	\$4.75	\$4.02	\$5.29	\$5.26	\$4.44
<b>REV/ (COST) PER -</b>					
Credit Hour	\$55.39	\$84.75	\$64.09	\$61.02	\$81.54
Contact Hour	\$2.60	\$3.97	\$3.12	\$3.05	\$4.08

# SONOGRAPHY

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	1,419	1,182	949	838	1,007
Contact Hours	31,368	24,776	21,032	18,720	22,992
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	1.00	1.00	1.00	1.00	1.00
Overload FTE	0.77	0.24	0.13	0.31	0.31
PT Faculty FTE	1.73	1.80	1.07	0.88	0.87
Ind Study Contact Hrs	0.00	0.00	0.00	12.50	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	8,962	8,150	9,560	8,548	10,547
<b>REVENUES</b>					
Tuition	\$193,355	\$159,599	\$142,340	\$131,759	\$197,918
Excess CH Fee	0	0	0	0	0
Course Fees	22,860	24,160	25,500	22,300	28,400
<b>TOTAL REVENUES</b>	<b>\$216,215</b>	<b>\$183,759</b>	<b>\$167,840</b>	<b>\$154,059</b>	<b>\$226,318</b>
Revenue/ Credit Hr	\$152.42	\$155.53	\$176.95	\$183.84	\$224.75
Revenue/ Contact Hr	\$6.89	\$7.42	\$7.98	\$8.23	\$9.84
<b>EXPENDITURES</b>					
FT Faculty	\$65,517	\$65,993	\$66,388	\$68,550	\$66,757
Overload	14,169	4,416	3,094	7,378	7,378
Preps, etc	2,360	4,255	600	850	600
PT Faculty - KCC	38,055	31,833	22,798	3,390	13,878
PT Faculty - EDUSTAFF	0	0	0	11,353	7,079
Independent Study	0	0	0	813	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	56,737	50,544	41,996	41,280	42,886
Classroom Supplies	7,826	4,837	4,730	5,469	3,986
Equipment	16,600	10,999	4,391	6,386	0
Other	5,642	8,484	12,762	13,495	12,090
<b>TOTAL EXPENDITURES</b>	<b>\$206,907</b>	<b>\$181,362</b>	<b>\$156,759</b>	<b>\$158,964</b>	<b>\$154,654</b>
Exps/ Credit Hr	\$145.86	\$153.50	\$165.27	\$189.69	\$153.58
Exps/ Contact Hr	\$6.60	\$7.32	\$7.45	\$8.49	\$6.73
<b>REV/ (COST) PER -</b>					
Credit Hour	\$6.56	\$2.03	\$11.68	(\$5.85)	\$71.17
Contact Hour	\$0.30	\$0.10	\$0.53	(\$0.26)	\$3.12

# EMERGENCY MEDICAL TECHNICIAN

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	0	0	77	50	398
Contact Hours	0	0	1,456	1,632	7,956
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	0.00	0.00	0.39	1.64	2.23
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	#DIV/0!	#DIV/0!	3,733	995	3,568
<b>REVENUES</b>					
Tuition	\$0	\$0	\$9,908	\$11,497	\$61,650
Excess CH Fee	0	0	0	0	0
Course Fees	0	0	2,275	2,550	9,506
<b>TOTAL REVENUES</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,183</b>	<b>\$14,047</b>	<b>\$71,156</b>
Revenue/ Credit Hr	#DIV/0!	#DIV/0!	\$158.22	\$280.95	\$178.78
Revenue/ Contact Hr	#DIV/0!	#DIV/0!	\$8.37	\$8.61	\$8.94
<b>EXPENDITURES</b>					
FT Faculty	\$0	\$0	\$0	\$0	\$0
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	0	0	6,024	144	2,246
PT Faculty - EDUSTAFF	0	0	0	34,291	51,236
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	956
Student Wages	0	0	0	0	0
Fringe Benefits	0	0	1,969	48	1,072
Classroom Supplies	0	0	2,439	3,263	3,045
Equipment	0	0	0	0	0
Other	0	0	500	4,756	469
<b>TOTAL EXPENDITURES</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,933</b>	<b>\$42,503</b>	<b>\$59,024</b>
Exps/ Credit Hr	#DIV/0!	#DIV/0!	\$141.99	\$850.05	\$148.30
Exps/ Contact Hr	#DIV/0!	#DIV/0!	\$7.51	\$26.04	\$7.42
<b>REV/ (COST) PER -</b>					
Credit Hour	#DIV/0!	#DIV/0!	\$16.24	(\$569.10)	\$30.48
Contact Hour	#DIV/0!	#DIV/0!	\$0.86	(\$17.44)	\$1.52



# ALLIED HEALTH

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	578	720	445	582	509
Contact Hours	9,248	11,520	7,120	9,312	8,144
Excess Contact Hours	770	760	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.54	0.62	0.53	0.43	0.23
Overload FTE	0.14	0.13	0.03	0.14	0.09
PT Faculty FTE	0.25	0.50	0.00	0.28	1.48
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	9,944	9,216	12,714	10,955	4,524
<b>REVENUES</b>					
Tuition	\$55,323	\$73,979	\$48,451	\$65,603	\$60,953
Excess CH Fee	0	0	0	0	0
Course Fees	9,956	24,100	19,910	23,760	21,735
<b>TOTAL REVENUES</b>	<b>\$65,279</b>	<b>\$98,079</b>	<b>\$68,361</b>	<b>\$89,363</b>	<b>\$82,688</b>
Revenue/ Credit Hr	\$112.94	\$136.22	\$153.62	\$153.55	\$162.45
Revenue/ Contact Hr	\$7.06	\$8.51	\$9.60	\$9.60	\$10.15
<b>EXPENDITURES</b>					
FT Faculty	\$35,379	\$40,916	\$35,186	\$29,477	\$15,354
Overload	2,576	2,392	714	3,332	2,142
Preps, etc	528	542	43	232	0
PT Faculty - KCC	7,263	8,145	873	4,625	22,260
PT Faculty - EDUSTAFF	0	0	0	0	0
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	24,502	1,107	180	18,703	16,352
Classroom Supplies	858	0	250	0	85
Equipment	0	0	0	0	0
Other	632	594	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>\$71,740</b>	<b>\$53,695</b>	<b>\$37,247</b>	<b>\$56,369</b>	<b>\$56,193</b>
Exps/ Credit Hr	\$124.12	\$74.58	\$83.70	\$96.85	\$110.40
Exps/ Contact Hr	\$7.76	\$4.66	\$5.23	\$6.05	\$6.90
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$11.18)	\$61.64	\$69.92	\$56.69	\$52.05
Contact Hour	(\$0.70)	\$3.85	\$4.37	\$3.54	\$3.25

# SURGERY TECHNOLOGY

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>ENROLLMENT</b>					
Credit Hours	482	342	483	483	418
Contact Hours	14,224	10,112	13,952	13,952	7,728
Excess Contact Hours	0	0	0	0	0
<b>STAFFING</b>					
FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	1.00	1.00	1.00	1.00	1.00
Overload FTE	0.22	0.22	0.15	0.06	0.15
PT Faculty FTE	0.00	0.00	0.00	0.48	0.61
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00
SCOH per FTE	11,659	8,289	12,132	9,060	4,391
<b>REVENUES</b>					
Tuition	\$84,574	\$64,913	\$94,943	\$98,292	\$57,840
Excess CH Fee	0	0	0	0	0
Course Fees	11,180	9,920	17,800	17,800	48,450
<b>TOTAL REVENUES</b>	<b>\$95,754</b>	<b>\$74,833</b>	<b>\$112,743</b>	<b>\$116,092</b>	<b>\$106,290</b>
Revenue/ Credit Hr	\$198.66	\$218.81	\$233.42	\$240.36	\$254.28
Revenue/ Contact Hr	\$6.73	\$7.40	\$8.08	\$8.32	\$13.75
<b>EXPENDITURES</b>					
FT Faculty	\$65,517	\$65,993	\$66,388	\$68,550	\$66,757
Overload	4,048	4,048	3,570	1,428	3,570
Preps, etc	1,500	1,500	900	780	780
PT Faculty - KCC	0	0	0	0	0
PT Faculty - EDSTAFF	0	0	0	13,232	17,208
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	40,992	39,047	34,798	37,856	37,024
Classroom Supplies	5,490	7,094	9,421	11,023	1,266
Equipment	0	0	3,993	1,940	9,607
Other	6,451	3,965	4,261	2,042	2,716
<b>TOTAL EXPENDITURES</b>	<b>\$123,998</b>	<b>\$121,648</b>	<b>\$123,330</b>	<b>\$136,850</b>	<b>\$138,929</b>
Exps/ Credit Hr	\$257.26	\$355.70	\$255.34	\$283.33	\$332.37
Exps/ Contact Hr	\$8.72	\$12.03	\$8.84	\$9.81	\$17.98
<b>REV/ (COST) PER -</b>					
Credit Hour	(\$58.60)	(\$136.88)	(\$21.92)	(\$42.98)	(\$78.08)
Contact Hour	(\$1.99)	(\$4.63)	(\$0.76)	(\$1.49)	(\$4.22)

# PHARM TECH

2011-12    2012-13    2013-14    2014-15    2015-16

## ENROLLMENT

Credit Hours	324	297	144	0	189
Contact Hours	8,256	7,824	2,304	0	4,064
Excess Contact Hours	0	0	0	0	0

## STAFFING

FT Load (Contact Hours)	512	512	528	528	528
FT Faculty FTE	0.21	0.00	0.00	0.00	0.00
Overload FTE	0.07	0.00	0.00	0.00	0.00
PT Faculty FTE	0.66	0.94	0.60	0.00	0.61
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00

SCOH per FTE	8,783	8,323	3,840	#DIV/0!	6,662
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## REVENUES

Tuition	\$49,089	\$50,226	\$15,679	\$0	\$30,417
Excess CH Fee	0	0	0	0	0
Course Fees	3,720	7,600	3,870	0	8,700

<b>TOTAL REVENUES</b>	<b>\$52,809</b>	<b>\$57,826</b>	<b>\$19,549</b>	<b>\$0</b>	<b>\$39,117</b>
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Revenue/ Credit Hr	\$162.99	\$194.70	\$135.75	#DIV/0!	\$206.97
Revenue/ Contact Hr	\$6.40	\$7.39	\$8.48	#DIV/0!	\$9.63

## EXPENDITURES

FT Faculty	\$13,759	\$0	\$0	\$0	\$0
Overload	1,288	0	0	0	0
Preps, etc	84	0	0	0	0
PT Faculty - KCC	9,001	12,859	9,766	0	0
PT Faculty - EDUSTAFF	0	0	0	737	16,730
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	11,565	4,229	3,192	0	0
Classroom Supplies	280	124	334	52	1,611
Equipment	0	0	0	0	0
Other	347	8	163	0	20

<b>TOTAL EXPENDITURES</b>	<b>\$36,324</b>	<b>\$17,221</b>	<b>\$13,456</b>	<b>\$789</b>	<b>\$18,361</b>
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Exps/ Credit Hr	\$112.11	\$57.98	\$93.44	#DIV/0!	\$97.15
Exps/ Contact Hr	\$4.40	\$2.20	\$5.84	#DIV/0!	\$4.52

## REV/ (COST) PER -

Credit Hour	\$50.88	\$136.72	\$42.31	#DIV/0!	\$109.82
Contact Hour	\$2.00	\$5.19	\$2.64	#DIV/0!	\$5.11

# PHLEBOTOMY

2011-12    2012-13    2013-14    2014-15    2015-16

## ENROLLMENT

Credit Hours	0	0	84	132	72
Contact Hours	0	0	1,344	2,304	2,208
Excess Contact Hours	0	0	0	0	0

## STAFFING

FT Load (Contact Hou	0	0	528	528	528
FT Faculty FTE	0.00	0.00	0.00	0.00	0.00
Overload FTE	0.00	0.00	0.00	0.00	0.00
PT Faculty FTE	0.00	0.00	0.18	0.42	0.35
Ind Study Contact Hrs	0.00	0.00	0.00	0.00	0.00
Parapro FTE	0.00	0.00	0.00	0.00	0.00
PT w/ FT Fringe FTE	0.00	0.00	0.00	0.00	0.00

SCOH per FTE	#DIV/0!	#DIV/0!	7,467	5,486	6,309
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## REVENUES

Tuition	\$0	\$0	\$9,146	\$16,232	\$16,526
Excess CH Fee	0	0	0	0	0
Course Fees	0	0	3,500	6,600	3,600

<b>TOTAL REVENUES</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,646</b>	<b>\$22,832</b>	<b>\$20,126</b>
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Revenue/ Credit Hr	#DIV/0!	#DIV/0!	\$150.55	\$172.97	\$279.52
Revenue/ Contact Hr	#DIV/0!	#DIV/0!	\$9.41	\$9.91	\$9.11

## EXPENDITURES

FT Faculty	\$0	\$0	\$0	\$0	\$0
Overload	0	0	0	0	0
Preps, etc	0	0	0	0	0
PT Faculty - KCC	0	0	3,427	0	0
PT Faculty - EDUSTAI	0	0	0	11,875	9,754
Independent Study	0	0	0	0	0
Paraprofessionals	0	0	0	0	0
Student Wages	0	0	0	0	0
Fringe Benefits	0	0	1,120	0	0
Classroom Supplies	0	0	2,528	5,929	2,355
Equipment	0	0	2,683	0	0
Other	0	0	594	1,419	362

<b>TOTAL EXPENDITUR</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,352</b>	<b>\$19,223</b>	<b>\$12,471</b>
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Exps/ Credit Hr	#DIV/0!	#DIV/0!	\$123.24	\$145.63	\$173.21
Exps/ Contact Hr	#DIV/0!	#DIV/0!	\$7.70	\$8.34	\$5.65

## REV/ (COST) PER -

Credit Hour	#DIV/0!	#DIV/0!	\$27.30	\$27.34	\$106.31
Contact Hour	#DIV/0!	#DIV/0!	\$1.71	\$1.57	\$3.47

# Supplement B1

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## ACC (ACCOUNTING)

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**ACC 12100 Accounting Principles I (F,W,S) 4 (4-0)**

This course provides an introduction to fundamental accounting principles. The principles are applied to the recording of transactions as assets, liabilities, owner's equity, income and expenses. The recorded transactions are then used in the preparation of financial statements - balance sheet, income statement and statement of owner's equity for sole proprietorships and partnerships.

**ACC 12200 Accounting Principles II (F,W) 4 (4-0)**

This course builds on the fundamental accounting principles taught in Accounting I. The class covers the recording of corporate stock and dividend transactions and the proper presentation of the stockholder's equity section of the balance sheet. The course introduces management accounting concepts through analysis of financial statements, preparation of the statement of cash flows, the introduction to cost accounting concepts and an understanding of the need for and development of budgets. Prerequisite: ACC-12100.

**ACC 12500 Computer Accounting w/QuickBooks (W,S) 4 (4-0)**

This course is designed with hands-on tutorials for initially learning QuickBooks. A virtual company case runs throughout the text, enabling the student to better understand how various transactions and activities are interrelated in the business environment. Students learn the basics of entering transactions and generating reports using the sample company. The text covers the entire accounting cycle, including new company set-up as well as QuickBooks advanced features for accountants.

**ACC 20500 Cost Accounting (F) 3**

In this course the student will gain understanding of cost accounting systems and procedures, how they are used for business strategy and strategic implementations, experiencing an analysis of key data for planning and controlling to assist in management decisions. Prerequisites: ACC-12100 and ACC-12200.

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## ALH (ALLIED HEALTH)

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**ALH 10101 Medical Terminology (F,W,S) 2 (2-0)**

This course is a survey study in the word-building system for medical terms. It covers word roots, combining forms, prefixes, suffixes, and medical word-building and decoding. Emphasis is placed on the correct spelling of terms, as well as definition and usage according to medical specialties. This course can be utilized by students who are planning a health career. Prerequisite: ENG-09920 (or ENG-09601) or prerequisite(s) met by placement testing.

**ALH 10300 Professional CPR (V) 0.25 (0.25-0)**

This course provides information and practice for appropriate response in the event of cardiopulmonary emergency event (one-man, two-man, infant, child, AED & choking victim).

**ALH 10400 Nursing Assistant (F,W,S) 6 (3-4.5)**

This course will prepare students to provide competent, evidence-based assistive nursing care in a variety of healthcare settings, with primary focus on the elderly. Emphasis will be placed on effective communication and interpersonal skills; infection control measures; safety and emergency procedures; and the promotion of residents' independence and rights. Successful completion of this course will prepare students to be eligible for the state competency evaluation exam and placement on state Nurse Aide Registry. Prerequisite: ENG-09601 or competency, TB Test, Uniform, and clean criminal background. Please visit the Nursing Assistant website: <http://www.kirtland.edu/academic-programs/certified-nursing-assistant-course>.

**ALH 10801 Pathology w/Pharmacology (F,W) 3 (3-0)**

This course focus is on description of conditions and diseases of the organ system, including etiology, signs and symptoms, and method of diagnosis and treatment. Students will build on their knowledge of anatomy and physiology and medical terminology through a detailed study of common pathological conditions and the drugs used in their treatment. Prerequisites: ALH-10101 and BIO-10700.

**ALH 11300 Medical Ethics & Law (F,W,S) 3 (3-0)**

This course provides the student with an overview of medical law and ethics for health care professionals. Topics discussed include criminal and civil acts, contracts, negligence, malpractice, torts, HIPPA, and other health care legislative rulings. Case studies will be used throughout the course to allow students to apply and analyze the content areas of the course. Pre or co-requisite: ENG-10303.

**ALH 25100 MA Business Practices (W) 3 (3-0)**

MA Business Practices is a course that provides students with knowledge to perform administrative skills in an ambulatory care setting.

**ALH 25200 MA Clinical Procedures (W) 3 (2-2)**

MA Clinical Practices is a lab course that prepares students to perform clinical skills in an ambulatory care setting.

**ALH 25300 Diagnostic Testing (W) 3 (2-2)**

Diagnostic Testing is a lab course designed to prepare students to perform and assist with various medical laboratory tests and other diagnostic exams used in an ambulatory care setting. Includes phlebotomy.

**ALH 25400 Quality, Safety & Patient Advocacy (W) 3 (3-0)**

Quality, Safety, and Patient Advocacy is a course that covers risk management, quality and safety in patient care and support for patients.

**ALH 25500 Prof Issues in MA & Internship (S) 4 (4-0)**

Professional Issues in MA & Internship is a course that includes 160 internship hours along with seminar time in professional behavior and performing as a team member.

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## ART (ART)

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<b>ART 10000</b>	<b>Art History I</b>	<b>(F)</b>	<b>3 (3-0)</b>
This course surveys the major developments, movements, and philosophies of the visual arts from the Prehistoric to the Renaissance period by means of lecture, slides, and videos. (Humanities Credit)			
<b>ART 10103</b>	<b>Art History II</b>	<b>(W)</b>	<b>3 (3-0)</b>
This course provides a survey of the major developments, movements, and philosophies of the visual arts from the Renaissance period to the present, by means of lecture, slides, and videos. (Humanities Credit)			
<b>ART 10500</b>	<b>Intro to Design</b>	<b>(F,W)</b>	<b>3 (0-4)</b>
In this course, students will gain an understanding of the relationships between shape, form, pattern, texture, and color. By using computers, the student will create compositions dealing with biomorphic and rectilinear shapes. This course is intended to give the student a basic knowledge of the principles of composition and the elements of design and the role they play in the creative process. (Humanities Credit)			
<b>ART 10600</b>	<b>Fund of Drawing I</b>	<b>(F,W)</b>	<b>3 (0-4)</b>
This course will stress the process of drawing as an imitation of nature through eye-hand coordination. Drawings are generated exclusively from still lifes as subject matter. Emphasis is on linear construction with a concern for accurate proportion and simple positive-negative/figure-ground relationships. Value structure is introduced after an initial but solid understanding of sighting and measuring, composition, and spatial relationships has been developed. Media is limited to achromatic/monochromatic dry drawing materials. (Humanities Credit)			
<b>ART 10700</b>	<b>Painting I</b>	<b>(F,W)</b>	<b>3 (0-4)</b>
This course will stress the process of painting as an imitation of nature through eye-hand coordination. Paintings are generated from photographs and still lifes (observed objects) as subject matter. Emphasis is on the exploration of techniques with a concern for accurate proportion, simple positive-negative/figure-ground relationships, and color dynamics. Technical realism is introduced after an initial but solid understanding of color theory, compositions, and spatial relations has been developed. Media is limited to full-spectral wet oil materials. (Humanities Credit)			
<b>ART 10800</b>	<b>Ceramics I</b>	<b>(F,W)</b>	<b>3 (0-4)</b>
This course provides an introduction to clay and its characteristics as a creative medium in utilitarian and non-utilitarian forms through hand-built and wheel-thrown objects. (Humanities Credit)			
<b>ART 11400</b>	<b>Sculpture I</b>	<b>(F,W)</b>	<b>3 (0-4)</b>
Students will explore the processes and materials of sculpture (clay, stone, wood, plaster, metals, and other media) with an emphasis on the concepts of three-dimensional form and space. (Humanities Credit)			
<b>ART 11500</b>	<b>Photography I</b>	<b>(F,W,S)</b>	<b>3 (2-2)</b>
This course offers an introduction to the basic technical skills of photography as a creative medium for personal expression. (Humanities Credit)			
<b>ART 11700</b>	<b>Art Appreciation</b>	<b>(F)</b>	<b>3 (3-0)</b>
Provides the non-artist with an appreciation of the visual arts. Through explanation, exploration, research, discussion and hands-on activities, the student will gain an understanding of the concepts involved in discussion and creating art and its role in human society. Co-requisite: ENG-09920 (or ENG-09601 and ENG-09000) or prerequisite(s) met by placement testing.			
<b>ART 17000</b>	<b>Graphic Studio</b>	<b>(W)</b>	<b>3 (1-3)</b>
This course is an introduction to the computer as a design tool using industry standards in page layout and digital software.			
<b>ART 19000</b>	<b>Digital Communications</b>	<b>(F,W)</b>	<b>3 (1-3)</b>
The study of fundamental design concepts and elements as they are applied to digital media. Students will create digitally manipulated images using various imaging techniques for print media as it relates to their major area of study. (Humanities Credit)			



- ART 20600 Drawing II (F,W) 3 (0-4)**  
 This course stresses the process of drawing as an imitation of nature through eye-hand coordination. Drawings are generated from still life and photographs as subject matter. In Drawing I, emphasis is on linear construction with a concern for accurate proportion and simple positive-negative/figure-ground relationships. Emphasis in Drawing II is on value structure and the development of the realistic rendering techniques. Students should show a concentration in experimental media, techniques, spatial relationships, and conceptual processes of drawing. Prerequisite: ART-10600. (Humanities Credit)
- ART 20700 Painting II (F,W) 3 (0-4)**  
 Painting II will continue to stress the process of painting as an imitation of nature through eye-hand coordination. Paintings are generated from photographs and still lifes as subject matter. Students embark on a wider exploration of techniques with a concern for accurate proportion, simple positive-negative/figure-ground relationships, and color dynamics. Technical realism is one approach used to develop a continuing understanding of color theory, composition, and spatial relationships. Emphasis is on the student's personal development and refinement of personal expression. Media is limited to full-spectral wet oil materials. Prerequisite: ART-10700. (Humanities Credit)
- ART 21100 3-Dimensional Design (F,W) 3 (0-4)**  
 This course is an introduction to the fundamentals and concepts of organizing forms in three dimensions. Students use basic materials for a sequence of observation-based problems exploring line, plane and volume with modeled and constructed forms, both in relief and free standing. (Humanities Credit)
- ART 25000 Illustration I (F,W) 3 (1-3)**  
 This is an introductory course in the basic black, white, and color media illustration techniques with exploration in figurative drawing, media techniques, color and composition, spatial relationships, and conceptual progress of page layout. Illustration I will utilize the knowledge gained in Fundamentals of Drawing I to produce artwork that tells a story or expresses an idea. Artwork is generated by the media available to the student that best fits the idea, such as graphite, charcoal, ink, digital, photography, paint, colored pencil, etc. The ultimate goal in illustration is to create work that can be used for publication, whether magazine, book, brochure, etc. Prerequisite: ART-10600. (Humanities Credit)
- ART 27531 Rendering I (F,W) 3 (1-3)**  
 A drawing and painting course in super realism using various media.
- ART 27545 Computer Generated Images I (F,W,S) 3 (1-3)**  
 In this course, students will learn the fundamental concepts and features of Adobe Photoshop. These concepts include photo editing and retouching, color correction, layer basics, and special effects. (Humanities Credit)
- ART 27550 Digital Darkroom (F,W) 3 (1-3)**  
 Through the use of conventional cameras/processes and their digital counterparts, students will learn to scan, edit, manipulate, and print photographic images. (Humanities Credit)
- ART 27571 Computer Animation I (F,W) 3 (1-3)**  
 Computer Animation I is an introductory study of the three-dimensional computer images and animation. The class will use 3D Studio to create three-dimensional imagery, apply texture maps, and lighting effects. Several animation techniques will also be studied. Students will meet in small groups to discuss lessons and activities. (Humanities Credit)
- ART 28000 Portfolio I (F,W) 3 (3-1)**  
 This is an advanced course in portfolio preparation. It will stress the process of preparing an intensive portfolio for the artist's market. Résumés and artist's statements are written to develop an initial but solid understanding of the artist's work.

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## AST (ASTRONOMY)

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**AST 10200 Exploration of Astronomy**

**(F,W,S)**

**3 (3-0)**

This one-semester introductory astronomy course explores our solar system, the stars and their evolution, the various types, composition and evolution of galaxies, the structure of the universe and cosmology. This course meets the Michigan Transfer Agreement requirement of a science course without a laboratory or if taken with AST-10300, will count as a science course with a laboratory.

**AST 10300 Observational Astronomy**

**(F,W,S)**

**1 (0-2)**

This laboratory course is a hands-on introduction to astronomy and technology in the observational arena. The focus is on observational and experimental methods of scientific inquiry and the usage of basic analytical practices. The secondary focus will be on basic laboratory and safety skills. The curriculum is implemented through a combination of physical and observational laboratory exercises and experiments. This course, taken in tandem with AST-10200, meets the Michigan Transfer Agreement requirement of a laboratory science course.

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## AUT (AUTOMOTIVE)

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**AUT 16100 Engine Fundamentals & Overhaul (W) 4 (3-3)**

This course provides an introduction to design, operation, troubleshooting, and service procedures of modern gasoline engines. The student will participate in disassembly, measurement, inspection, and reassembly of engine components. Use of technical data and service procedures will be stressed. The student will complete the ASE A1 technician certification exam, demonstrating knowledge of the skills necessary to diagnose, service and repair automobile gasoline engines. Prerequisite: AUT-16302 or instructor's permission.

**AUT 16201 Fuel Systems & Emission Control (W) 4 (3-3)**

This lecture/lab course is designed to provide instruction in fundamentals, construction, operation, troubleshooting, and servicing of the components of the fuel and emission control systems. Students will participate in disassembly and reassembly of components and fuel systems and in emission control testing. Prerequisite: AUT-16401 or instructor's permission.

**AUT 16302 Automotive Fundamentals (F) 4 (2-3)**

This is a lecture/lab course designed to familiarize the student with the automotive unit, design, production, operating, testing, servicing, and job opportunities. Technician certification will be covered on the state and national levels. General ethics at school, on and off the job, along with sexual harassment education will also be addressed.

**AUT 16401 Basic Electricity (F) 3 (2-2)**

This electrical course is designed as a prerequisite for automotive electrical classes. Areas of instruction will cover basic electricity, magnetism, fundamentals of batteries, starting motors, charging systems, ignition systems, electrical accessories, and basic wiring. Prerequisite: MTH-06300 or prerequisite met by placement testing.

**AUT 16801 Automotive Electrical Systems (W) 4 (3-3)**

In this course, students will develop technical knowledge and skills necessary to service and diagnose modern electrical systems. Emphasis will be placed on electrical testing techniques and use of electrical testing equipment. Instruction and lab work will cover chassis wiring, electrical accessories, batteries, starters, charging systems, and ignition system service. The student will complete the ASE A6 technician certification exam, demonstrating knowledge of the skills necessary to diagnose, service and repair automobile electrical systems. Prerequisites: AUT-16401 or instructor's permission.

**AUT 17703 Automotive Braking Systems (F) 4 (3-3)**

This course is designed to provide instruction and skill development in automotive brake system theory and service. Students will develop skills and technical knowledge in the evolution of operation, theory, diagnosis, and repair of conventional and modern computer-controlled anti-lock braking systems. The student will complete the A5 technician certification exam, demonstrating knowledge of the skills necessary to diagnose, service and repair automotive braking systems. Co-requisite: AUT-16302 or instructor's permission.

**AUT 20402 Intro to Auto Service Management (F) 2 (2-0)**

This course is a study of facility licensing and management, with coverage of customer relations, promotional techniques, ethics, sexual harassment issues, job-seeking skills, and the laws of the State of Michigan as they apply to the automotive repair industry. The subjects of warranty processing, expense control, productivity, and time labor standards are defined and studied. Employee compensation and incentives, along with job opportunities and classifications, are also discussed and identified.

**AUT 21800 Automatic Transmissions (F) 4 (2-4)**

In this lecture/lab course, students are prepared to service, diagnose, and overhaul commonly used automatic transmissions and transaxles. Emphasis will be placed on principles of operation, model variations, servicing techniques, and troubleshooting procedures. The student will complete the ASE A2 technician certification exam, demonstrating knowledge of the skills necessary to diagnose, service and repair automatic transmissions. Prerequisite: AUT-16302 or instructor's permission.

**AUT 26500 Steering Suspension & Alignment (F) 4 (3-3)**

This is a lecture/lab course covering nomenclature and operating principles of steering and suspension systems. Emphasis is on skill development in servicing power steering systems, replacement of suspension components, and four-wheel alignment. The student will complete the ASE A4 technician exam, demonstrating knowledge of the skills necessary to diagnose, service and repair automotive steering and suspension systems. Prerequisites: AUT-16302 and AUT-17703 or instructor's permission.

**AUT 26601 Gas Engine Performance/Diagnostics (F) 4 (3-3)**

Through the study of theory and use of testing and diagnostic procedures for computerized engine controls, the student will develop the skills required of a diagnostic drivability technician. The student will complete the ASE A8 technician certification exam, demonstrating knowledge of the skills necessary to diagnose, service and repair automotive engine management systems. Prerequisites: successful completion of first and second semester of automotive curriculum or instructor's permission and AUT-16201, AUT-16302, AUT-16401, and AUT-16801.

**AUT 26700 Diesel Eng Performance & Diagnostic (W) 4 (3-3)**

This is a lecture/lab course designed to teach students performance and diagnostic procedures on modern passenger car and light duty truck diesel engines. Differences between diesel engine diagnostics and gasoline engines will be covered in great detail. Combustion chamber, fuel, cooling, and lubrication system designs are discussed. Maintenance requirements due to low sulfur fuel, particulate traps, air filter service and new engine oil configurations are all covered. The student will complete the ASE A9 technician certification exam, demonstrating knowledge of the skills necessary to diagnose, service and repair automotive diesel engines. Prerequisite: AUT-26601 or instructor's permission.

**AUT 27000 Heating & Air Conditioning (W) 3 (2-2)**

In this basic refrigeration and air conditioning course, students will gain skills in refrigeration tools and materials, basic refrigeration systems, compressors, refrigerant controls, electric circuit controls, refrigerants testing, and repair of air conditioning units. The student will complete the ASE A7 technician certification exam, demonstrating knowledge of the skills necessary to diagnose, service and repair automotive heating and air conditioning systems. Prerequisite: AUT-16302 or instructor's permission.

**AUT 27900 Manual Trans Drivelines/Rear Axles (W) 4 (3-3)**

This is a lecture/lab course in the function, construction, operation, servicing, and troubleshooting of conventional power transmission components used in passenger cars and light trucks; clutch, manual transmission/transaxle, propeller shafts, universal joints, and rear axles. The student is given experience in disassembly and reassembly of component parts. The student will complete the ASE A3 technician exam, demonstrating knowledge of the skills necessary to diagnose, service and repair automotive drivelines and manual transmissions. Prerequisite: AUT-16302 or instructor permission.

**AUT 29900 Automotive Internship (F,W,S) 5**

This internship offers supervised automotive repair experience at a selected automotive repair facility. Students accomplish the course objectives while employed in the automotive industry. This course is required for completion of the associate in applied science, and the master certificate program. The student will complete a minimum 180 hours in this course. Prerequisite: instructor permission.

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## **BIO (BIOLOGY)**

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<b>BIO 10100</b>	<b>General Biology</b>	<b>(F,W)</b>	<b>4 (3-2)</b>
This is a lecture and laboratory course in the basic principles of life science; genetics, origin, and evolution of life, structure, function, and classification of organisms and interactions in the ecosystem are stressed. (Science Credit)			
<b>BIO 10700</b>	<b>Essentials of Anatomy &amp; Physiology</b>	<b>(F,W,S)</b>	<b>4 (3-2)</b>
This course provides an abbreviated study of the gross and microscopic structures and functions of the systems, organs, and tissues of the human body. Terminology and common pathologies of each system will be introduced. This course includes two hours of laboratory. (Science credit)			
<b>BIO 20000</b>	<b>Fundamentals of Nutrition</b>	<b>(F,W)</b>	<b>3 (3-0)</b>
This course was designed for students with an interest in nutrition and wellness with an emphasis on key nutritional concepts for health care students. The relationship between nutrition and disease processes will be explored. Specific dietary needs of special populations will also be examined. Various diets and their impact on health will be discussed. Prerequisite: MTH-07300 or requisite test scores; Pre or Co-requisite: ENG-10303			
<b>BIO 20100</b>	<b>General Zoology</b>	<b>(W)</b>	<b>4 (3-2)</b>
This course provides a lecture/laboratory survey of the major animal groups including internal and external structure; reproductive processes; behavior patterns; life history; and special features peculiar to each group. Some field work in identification of local animals is included. Prerequisite: BIO-10100 or permission of instructor. Offered in Winter of even-numbered years. (Science Credit)			
<b>BIO 21000</b>	<b>Microbiology</b>	<b>(W)</b>	<b>4 (3-2)</b>
This course provides a lecture/laboratory study of the major groups of microbes. The structure of the unicellular organism will be compared to the structure of multicellular organisms. Applications to medicine and ecology will be discussed. The course is designed for the liberal arts student as well as the health sciences student. Prerequisites: BIO-10100 or BIO-23500 and BIO-23600, or BIO-25000 and BIO-25100, or permission of instructor. Offered in Winter of odd-numbered years.(Science Credit)			
<b>BIO 23500</b>	<b>Anatomy &amp; Physiology I</b>	<b>(F,W,S)</b>	<b>4 (3-2)</b>
The first of a two-semester sequence; the first semester covers the nature of life, organization of the human body, cell chemistry and metabolism, the integumentary system, histology, the skeletal and muscular systems, and the nervous system including the special senses. (Science Credit)			
<b>BIO 23600</b>	<b>Anatomy &amp; Physiology II</b>	<b>(F,W,S)</b>	<b>4 (3-2)</b>
This is a continuation of BIO-23500 with emphasis on the sensory system, endocrine system, cardiovascular system, respiratory system, digestive system, urinary system, and reproductive system with an introduction to genetics. The course will conclude with a study of pregnancy and human growth and development. Prerequisite: BIO-23500 with a minimum grade of C. (Science Credit)			
<b>BIO 25000</b>	<b>Human Anatomy</b>	<b>(F,W,S)</b>	<b>4 (3-2)</b>
A one-semester lecture and laboratory course that uses a systemic approach to explore the levels of organization of the human body from microscopic to gross anatomy structures and how they interact with each other to sustain homeostasis. The course will cover cells, tissues, all organ systems along with an introduction to pregnancy, human growth, development and genetics.			
<b>BIO 25100</b>	<b>Human Physiology</b>	<b>(F,W,S)</b>	<b>4 (3-2)</b>
A one-semester course that examines the fundamental principles that govern the functions of the organ systems. This course investigates the regulation, control and interrelationships of the organ systems of the human body. Prerequisite: High school chemistry is recommended but not mandatory.			

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## **BUS (BUSINESS & MARKETING)**

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**BUS 10100 Intro to Business (F,W,S) 3 (3-0)**

This course provides an orientation to characteristics and functions of business, business environment, opportunities, ownership, management, organization, marketing, physical plant, personnel, finance, ethics, law, and controls for decision making.

**BUS 10700 Entrepreneurship (F,S) 3 (3-0)**

Upon satisfactory completion of the course, the student will be able to demonstrate knowledge and comprehension of how to buy an existing small business or how to start a new venture. Students will learn how to analyze, apply and evaluate modern management practices for sustaining the life and profitability of a small business venture.

**BUS 10800 Personal Financial Planning (W) 3 (3-0)**

This course is designed to help students understand the major personal financial planning problems that individuals and families encounter in life including budgeting, taxes, insurance, savings, credit management, investing, retirement and estate planning.

**BUS 21000 Principles of Management (F,W,S) 3 (3-0)**

A foundation course that provides the principles, concepts and theories of business management. Explores the constraints and challenges of management practices including management of the global environment, diversity, social responsibility and ethics, decision making, planning, organizing, controlling, leading, teamwork, motivating employees and managing operations. Prerequisites: BUS 10100 or BUS 10700.

**BUS 21500 Business Law (F,S) 3 (3-0)**

Basic principles of the legal environment and the business world emphasizing ethics, U.S. judicial systems, contract and commercial law, business organizations and investor protections, employment and labor law, government regulations and the global environment. Provides students with the basic knowledge and understanding of legal concepts with actual case law, critical legal thinking and other practical applications. Prerequisites: ENG 09920 (or ENG 09000 and 09601) or prerequisites met by placement testing and either BUS 10100 or BUS 10700.

**BUS 24500 Human Resource Management (W,S) 3 (3-0)**

Provides students and practicing managers with a full and practical review of essential human resource concepts and techniques, with a focus on using human resource practices to improve performance, productivity and profitability within the workplace. Topics include recruitment, placement, talent management, training and development, compensation, ethics, employee relations, labor relations, collective bargaining, employee safety and health and managing global human resources. Prerequisites: ENG-09920 (or ENG-09000 and ENG-09601) or prerequisites met by placement testing and either BUS-10100 or BUS-10700.

**BUS 29900 Internship in Business & Marketing (F,W,S) 3**

This experience is arranged to provide students with an opportunity to explore the reality of business environments. Placement will be arranged so the student receives experience in his/her preferred discipline. Learning objectives will be developed in consideration of the student's education and career goals. This course may be repeated for a maximum of 6 credits. Prerequisite: 2.5 GPA, sophomore standing, business department and advisor approval.

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## CAP (INTERNSHIP/SERVICE LEARNING)

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- CAP 29901 Internship/Service Learning (F,W,S) 1**  
This course can be used for technical elective credits in the M-TEC curricula providing students the opportunity to increase the value of their education through a meaningful work experience. This on-the-job training or community service must be mutually agreed upon with the student, advisor, and worksite designee before work commences. This work experience may be paid, voluntary, or community service oriented.
- CAP 29902 Internship/Service Learning (F,W,S) 2**  
This course can be used for technical elective credits in the M-TEC curricula providing students the opportunity to increase the value of their education through a meaningful work experience. This on-the-job training or community service must be mutually agreed upon with the student, advisor, and worksite designee before work commences. This work experience may be paid, voluntary, or community service oriented.
- CAP 29903 Internship/Service Learning (F,W,S) 3**  
This course can be used for technical elective credits in the M-TEC curricula providing students the opportunity to increase the value of their education through a meaningful work experience. This on-the-job training or community service must be mutually agreed upon with the student, advisor, and worksite designee before work commences. This work experience may be paid, voluntary, or community service oriented.
- CAP 29904 Internship/Service Learning (F,W,S) 4**  
This course can be used as technical elective credits in the M-TEC curricula providing students the opportunity to increase the value of their education through a meaningful work experience. This on-the-job training or community service must be mutually agreed upon with the student, advisor, and worksite designee before work commences. This work experience may be paid, voluntary, or community service oriented.

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## **CAR (CAREER & PERSONAL DEVELOPMENT)**

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**CAR 09300 Study Skills (F,W) 1 (1-0)**

This course will assess students' study habits. Students will learn note-taking, test-taking, memory improvement, time management, and how to reduce anxiety. Students will explore college life and methods to cope with it through group counseling activities.

**CAR 10201 College Survival and Success I (F,W) 1 (1-0)**

This course introduces skills necessary for early survival and success in college. It focuses on personal development, learning style analysis, time management, goal setting, and a thorough overview and orientation of Kirtland Community College programs, services, and resources.

**CAR 10401 College Research in the Digital Age (F,W,S) 1 (1-0)**

This course is designed to introduce students to the skills necessary to use an academic library and how to conduct effective research including information gathering, retrieval, and evaluation to support academic success and lifelong learning. Course content will include readings, lecture notes, discussion, and hands-on online searching. Academic integrity and citing sources will be covered.

**CAR 12600 Service Learning Lab (V) 1**

A service-learning project designed by an instructor to supplement course learning, this may be offered either as a required or optional lab.



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## CHE (CHEMISTRY)

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**CHE 1000 Chemical Science (F) 4 (3-2)**

Chemical Science with lab presents the elementary principles of inorganic, physical, and organic chemistry. It is intended to introduce college chemistry, or to satisfy course requirements in technical fields such as nursing. Prerequisite: MTH-07300 or high school algebra. (Science Credit)

**CHE 10101 Gen Chemistry I (F) 4 (4-0)**

General Chemistry I provides a thorough discussion of the topics of atomic structure, stoichiometry, solutions and pH, gas laws, electronic configuration and bonding theories, the periodic tables, and liquids and solids. Prerequisites: Two semesters of high school algebra (with a "C" or better), or MTH 07300 or higher (or requisite placement test scores) AND a year of high school chemistry (with a "C" or better) or CHE 10000 or CHE 10400 or permission of the instructor. Prerequisite or co-requisite: ENG-10303. Co-requisite: CHE 10102 (Science Credit)

**CHE 10102 Gen Chemistry Lab I (F) 1 (0-3)**

This is a laboratory course to accompany CHE-10101. Co-requisite: CHE-10101. (Science Credit)

**CHE 10201 General Chemistry II (W) 4 (4-0)**

This is a continuation of General Chemistry I, concerned broadly with thermodynamics and kinetics. Topics discussed include kinetics data analysis and reaction mechanisms, chemical equilibrium, electrochemistry, chemical thermodynamics, nuclear chemistry, and some descriptive chemistry of the elements. Prerequisite: CHE-10101. Co-requisite: CHE-10202. (Science Credit)

**CHE 10202 General Chemistry II Lab (W) 1 (0-3)**

This is a laboratory course to accompany CHE-10201. Co-requisite: CHE-10201. (Science Credit)

**CHE 10400 Chemistry for Health Sciences (F,W,S) 4 (3-2)**

This is a one semester introductory chemistry course designed for non-science majors. The course is for students planning to enter careers in nursing, nutrition, environmental science, food science and a wide variety of other health-related professions. The course exposes students to concepts of general, organic and biological chemistry. Students will complete 3 contact hours of lecture and 2 contact hours of laboratory experiments weekly. Prerequisites: High School Algebra 2 semesters with a C or better, or MTH-07300 or higher.

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## CIS (COMPUTER INFORMATION SYSTEMS)

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**CIS 10500 Intro to Computers (F,W,S) 3 (3-0)**

Students will become familiar with hardware and software terminology/concepts, Windows operating system, word processing, spreadsheet, database management and presentation software. Application software used is the current version of Windows and Microsoft Office Professional. Prerequisite Skills: Basic computer and keyboarding skills are required for successful completion of this course.

**CIS 21000 Internet & Web Page Development (F) 3 (1-2)**

Students will be given an overview of the Internet, WWW and Windows file management techniques. Students will learn how to design and create W3C compliant web pages using HTML, XHTML, and cascading style sheets (CSS). Areas covered include: css formatting, hyperlinks, images, image maps, tables, newsletter formats, forms, framed pages, multimedia files, and java applets. Students will also learn how to create their own graphical images for their pages using web-based sites and Photoshop. Completed pages will be uploaded to the student's Internet web site and debugged. Co-requisite: CIS-10500.

**CIS 21500 Web Animation & Multimedia (W) 3 (3-0)**

Students will create animated graphic content for websites. Prerequisite: CIS-10500 or demonstrated competency.

**CIS 22400 UNIX (W) 2 (2-0)**

Students will learn about the UNIX operating system environment. They will learn about the different UNIX shells and how to issue basic system commands. Students will explore the UNIX file system (partitions, directories, navigation, etc.). Other topics covered include the following: 1) using common editors; 2) basic and advanced file management commands; 3) creating simple and complex shell scripts; 4) using pine for e-mail; 5) using UNIX utilities; and 6) programming in a UNIX environment. System administration will also be covered. Prerequisite: CIS-10500 or

**CIS 22500 Spreadsheets (W) 3 (3-0)**

Students will learn how to build, save, format, print, and modify spreadsheets. Students will also learn how to develop formulas/functions, charts, link worksheets, link workbooks, utilize auditing features, use database features, and develop macros. Application software is the current commercial version of Microsoft Excel. Prerequisite: CIS-10500 or demonstrated competency.

**CIS 23501 Database Design (W) 3 (2-2)**

Students will learn the theoretical knowledge necessary to design and implement effective information databases. Areas such as file layout, data structures, implementation methods, security, and web interfacing will be addressed. Students will work with a currently popular commercially available database management system. Prerequisite: CIS-10500 or demonstrated competency.

**CIS 27001 Programming I (F) 3 (3-0)**

This course investigates general methods of problem-solving, principles of programming, and algorithmic design. This includes data types, data storage, I/O (input and output), arithmetic operators, assignment and expressional operators, functions and modular programming, array processing, pointers, record data structures and file I/O. Classes, methods and inheritance will also be introduced. Co-requisite: CIS-10500 or demonstrated competency. Prerequisite: MTH-07300 or requisite placement test scores.

**CIS 27101 Programming II (W) 4 (4-0)**

General methods of problem-solving, principles of algorithmic design, and object-oriented design are discussed. This includes data types, functions, arrays, pointers, objects, classes, class inheritance, polymorphism, exceptions, input, output, and file-handling techniques. Other topics introduced include linked lists, stacks, queues, recursion, sorting, collection classes, events and graphics. Prerequisite: Grade of "C" or better in CIS-27001 or demonstrated competency.

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## CJS (CRIMINAL JUSTICE)

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<b>CJS 10000</b>	<b>Intro to Criminal Justice</b>	<b>(F,W)</b>	<b>3 (3-0)</b>
<p>This course introduces students to the social reality of crime, criminal behavior and law as each of these relates to the criminal justice system. Students examine the role of law enforcement, prosecution, defense, court system, corrections and juvenile justice at various levels. Students are challenged to expand both their knowledge and appreciation of the criminal justice system through arranged visits to courts, detention facilities and working law enforcement agencies.</p>			
<b>CJS 10900</b>	<b>Intro to Corrections</b>	<b>(F)</b>	<b>3 (3-0)</b>
<p>This course introduces the agencies and processes within the correctional system, beginning with ancient history through the modern era. Correctional legislation and the courts are examined, along with the integral parts they play in sentencing, parole, probation, community corrections, and the correctional officer's professional work ethics.</p>			
<b>CJS 11000</b>	<b>Careers in Emergency Services</b>	<b>(F)</b>	<b>1 (1-0)</b>
<p>The course is designed to acquaint the student with a variety of emergency services occupations.</p>			
<b>CJS 11100</b>	<b>Legal Issues in Corrections</b>	<b>(F)</b>	<b>3 (3-0)</b>
<p>This course is a study of up-to-date constitutional law and its impact on correctional institutions, the correctional officer, and the inmate. The student will gain a basic understanding of how state and federal court decisions pertaining to inmate rights have affected the writing of policy and procedure within the correctional system.</p>			
<b>CJS 11200</b>	<b>Client Growth &amp; Development</b>	<b>(F)</b>	<b>3 (3-0)</b>
<p>This course is designed to assist the student in identifying behaviors and motivations of the inmate. Emphasis will be placed on the needs of the inmate and intervention strategies.</p>			
<b>CJS 11300</b>	<b>Intro to Fitness Training</b>	<b>(W,S)</b>	<b>1 (0-2)</b>
<p>This course will introduce students to the components and requirements of the state mandated Physical Fitness Test for police academy recruits. Physical training will focus on cardio and strengthening the upper body and core. Students will develop a personal fitness plan for instructor approval and will implement it as supplemental training outside the class.</p>			
<b>CJS 11400</b>	<b>Juvenile Justice</b>	<b>(W,S)</b>	<b>3 (3-0)</b>
<p>The history and evolving philosophies of juvenile justice will be introduced along with an overview of the juvenile justice system. Influencing factors such as family, social media, economic status, education, abuse, neglect and gang affiliation will be discussed. Emphasis will be placed on the role of law enforcement and the challenges and issues related to juvenile law enforcement. Prerequisite or co-requisite: CJS-10000.</p>			
<b>CJS 17000</b>	<b>Correctional Institution/Facilities</b>	<b>(W)</b>	<b>3 (3-0)</b>
<p>Included in this course will be an overview of the different levels of security and their historical development within the correctional system. Facility design, organizational structure, custody, security, and inmate due process rights will be reviewed, as well as future projections for correctional facilities and personnel.</p>			
<b>CJS 17200</b>	<b>Client Relations in Corrections</b>	<b>(W)</b>	<b>3 (3-0)</b>
<p>This course is designed to give the student an understanding of culture and discrimination. Ethics, morals, and professionalism will be examined closely. Affirmative action, social attitudes, and how they affect the correctional systems will also be carefully scrutinized.</p>			
<b>CJS 20500</b>	<b>Fitness Training</b>	<b>(W,S)</b>	<b>2 (1-2)</b>
<p>This course will introduce students to the components and requirements of the state mandated Physical Fitness Test for police academy recruits. Physical training will focus on cardio and strengthening the upper body and core; students will develop a personal fitness plan for instructor approval and will implement it as supplemental training outside the class. Wellness concepts will include nutrition, dietary supplements, sleep, stress and other factors that can impact health and fitness. Upon completion of the class, the student will be able to demonstrate the proper technique for executing the required elements of the MCOLES Physical Fitness Pre Enrollment test.</p>			

- CJS 20600 Decision Making in Law Enforcement (F,W) 3 (3-0)**  
 This course will explore a variety of topical issues in law enforcement related to reasoned decision making. The Force Continuum will be introduced. Discussion of subconscious influences on decision making including cultural diversity, personal bias, and emotional intelligence; introduction of methods to self-identify potential detrimental factors and cultivate informed decision making; identification of external influences to decision making including politics, peer pressure, media, bystander video and social media; overview of resources such as dash and body cameras in documenting decisions and actions; ethical dilemmas and decision making.
- CJS 20700 Law Enforcement Communication Essen (F,W) 3 (3-0)**  
 This course will discuss the importance of written, verbal and nonverbal communication skills in Law Enforcement. Students will learn basic terminology and acronyms, gather required information through subject interviews and generate various law enforcement reports, prepare and present individual and group projects and participate in mock media interviews. Students will be introduced to verbal judo, nonverbal cues and cultural, regional and generational differences in communication.
- CJS 21000 Criminal Evidence Procedure (W,S) 4 (3-2)**  
 The student will identify the basic rules of evidence applicable to the offender as related to the operational level of law enforcement. The student will draw a distinction between admissible and inadmissible evidence and apply the rules of admissibility to the laws of arrest, reasonable force, search and seizure, and other related legal procedures. Students will receive hand-on experience with the various methods of crime scene analysis, evidence collection and preservation, determining modus operandi, and case preparation. Prerequisites: MTH-06300 (or requisite placement test scores) and CJS-24000.
- CJS 21100 Narcotics Investigation (F) 3 (3-0)**  
 This course will familiarize students with investigations involving dangerous drugs and will include history, sources, recognition, laws, and courtroom presentations.
- CJS 24000 Criminology (F,W) 3 (3-0)**  
 This course provides an analysis of crime, criminal behavior, and punishment through a variety of historical and contemporary theoretical perspectives. Pre or co-requisites: ENG-10303 and either PSY-10100 or SOC-10100 or permission of instructor.
- CJS 24500 Social Deviant Behavior (W) 3 (3-0)**  
 This course studies social deviant behavior, including social and ethnic bias, sociopaths, cult behavior, and ethical behaviors within the criminal justice process. (Social Science Credit)
- CJS 26007 Corrections Academy (F) 10**  
 This course is a 160-hour Local Corrections Academy approved by the Michigan Correctional Officer's Training Council. The course will cover booking, intake and release, suicide awareness, report writing, prison behavior, correctional law, custody and security, PPCT defensive tactics, interpersonal communication, fire and safety, cultural diversity, sexual harassment, ethics, and stress management. Prerequisites: employment or sponsorship by a sheriff's department and approval of the head of Careers in Public Safety.
- CJS 26600 Police Academy (F,W) 21**  
 This 17-week regional police academy is approved and operated under the authority of the Michigan Commission on Law Enforcement Standards (MCOLES). The program content meets and exceeds minimum training requirements as outlined in the MCOLES Basic Training Curriculum and Training Objectives including coursework, critical skills, attendance and academic performance. Mandatory dress and conduct requirements. Prerequisites: Successful completion of MCOLES mandated entrance requirements and Director's approval.
- CJS 26601 Military Police Academy (W) 7.5**  
 This is a 7-week, Michigan Commission on Law Enforcement Standards (MCOLES) approved regional police academy, specifically designed to complete training for military personnel leaving the service. Students will complete Michigan Commission on Law Enforcement Standards (MCOLES) and successfully pass a mastery exam administered by MCOLES. It will cover investigation, patrol procedures, detention and prosecution, police skills, traffic, tactical operation, EVO (emergency vehicle operation), defensive tactics/forced continuum, firearms and evidence collection. Prerequisite: must meet MCOLES Military Police requirements.

**CJS 29901 Criminal Justice Internship**

**(F,W,S)**

**1 (0-2)**

This internship course provides CJ students field observation of the various components of Law Enforcement. Students will be assigned to an approved law enforcement agency to participate in patrol ride-alongs and observation of operations and administration. The internship will consist of 30 hours of patrol and 20 hours of operations/administration, including dispatch, report writing, office support, and agency policies and procedures. There are mandatory dress and conduct requirements. Prerequisite: Approval of CPS Advisor

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## **CMT (COMPOSITE MATERIALS TECHNOLOGY)**

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<b>CMT 10100</b>	<b>Composite Materials Introduction</b>	<b>(F)</b>	<b>3 (3-0)</b>
<p>Introduction to the fundamentals of composite materials; overview of their matrix system and associated components. The student will learn the historical significance of the development of composites and the key role played in supporting new product development in industries including aerospace, military, automotive, marine, medicine and sports. The course explores and explains the matrices of combinations of core and their interface to the final composite structure.</p>			
<b>CMT 10200</b>	<b>Composite Materials Health &amp; Safety</b>	<b>(F)</b>	<b>3 (2-2)</b>
<p>Hazards associated with composite materials: handling, application and exposure; required protective measures and equipment for safe manufacturing; shop and machine safety and equipment familiarity. Teaches the ability to read &amp; interpret safety information data sets including MSDS (Material Safety Data Sheet) on the resin and pre-peg based materials used for composite construction; preconditioning to recognize potentially dangerous mixtures of resin and core materials; correct usage of personal safety hardware.</p>			
<b>CMT 10300</b>	<b>Composite Materials Structures</b>	<b>(F)</b>	<b>3 (2-2)</b>
<p>Description and application of specific core material types and compositions into composite structures and their role in defining the final composite material structure and characteristics. The range of materials which provide flexibility, low mass and high strength in the final product from flexible fibers, wood, plastic, ceramic and metals.</p>			
<b>CMT 10400</b>	<b>Design and Molding Methods</b>	<b>(F)</b>	<b>4 (2-4)</b>
<p>Composite material structural designs, types and applications; methods for different molding techniques, common practices and their applications; requirements for mold designs based on the type of composite material structure; layup techniques for mixed resins and pre-peg materials; vacuum bagging, compression molding and thermoforming.</p>			
<b>CMT 10500</b>	<b>Tooling &amp; Systems Applications</b>	<b>(W)</b>	<b>2 (0-4)</b>
<p>This course is 100% lab-based and will provide the following: tooling descriptions and operations, including operational exercises, multiple stage composite tooling processes, thermoplastics tooling considerations, pre and post manufacturing processing and finishing.</p>			
<b>CMT 10600</b>	<b>Inspection and Test Methods</b>	<b>(W)</b>	<b>4 (2-4)</b>
<p>Post manufacturing inspection and testing methods supporting analysis of composite structures. Included will be types and applications of destructive and non-destructive material testing, voids encountered in lay-up and compression molding, fire, smoke and toxicity (FST) testing requirements, heat release testing methods and applications, dimensional analysis, batch testing and surface analysis.</p>			
<b>CMT 10700</b>	<b>Composite Fastening Systems</b>	<b>(W)</b>	<b>4 (2-4)</b>
<p>Bonding vs fastening assembly methods of composite structures--types, methods and durability. Bonding methods and types of adhesives; composite surface preparation; fastening methods including mechanical, adhesive and welded and the advantages and disadvantages of each.</p>			
<b>CMT 10800</b>	<b>Composite Structure Repair</b>	<b>(W)</b>	<b>3 (2-2)</b>
<p>Understanding and recognizing the types of structural damage that can occur in simple and complex composite structures/assemblies; analyzing structural deficiencies to determine the level of damage; defining and designing the correct course for damage removal/repair; defining if the damage can be prevented; repair and curing methods that are appropriate for the repair procedure.</p>			

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## **COR (CORE CONSTRUCTION)**

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<b>COR 10001</b>	<b>Basic Safety</b>	<b>(F,W,S)</b>	<b>0.5</b>
<p>This course covers need-to-know information for trainees to work safely. It includes what personal protective equipment to wear, how to perform basic construction tasks safely, and what to do if an accident occurs.</p>			
<b>COR 10002</b>	<b>Introduction to Construction Math</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>From basic addition to multiplying fractions and more, this course prepares trainees to do the calculations they'll be performing on the job site. This includes multiplication tables and unit conversion charts.</p>			
<b>COR 10003</b>	<b>Introduction to Hand Tools</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>This course covers a basic toolbox worth of equipment with color pictures of the tools and illustrations of how to use them. It also covers maintenance instructions and safety tips.</p>			
<b>COR 10004</b>	<b>Introduction to Power Tools</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>This course provides pictures and how-to-use instructions for tools powered by electricity, batteries, and pressurized air, such as drills, saws, grinders and sanders, and other common construction equipment. It also covers maintenance instructions and safety tips.</p>			
<b>COR 10005</b>	<b>Intro to Construction Drawings</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>This course introduces trainees to the different types of plans and how they represent a finished building. It shows the parts of blueprints in detail, including symbols, the title block, and gridlines.</p>			
<b>COR 10006</b>	<b>Basic Rigging</b>	<b>(F,W,S)</b>	<b>0.6</b>
<p>This course covers the slings, hardware, hoists, and hitches used in rigging operations. It also highlights critical safety issues and accepted rigging techniques and practices.</p>			
<b>COR 10007</b>	<b>Basic Communication Skills</b>	<b>(F,W,S)</b>	<b>0.3</b>
<p>Provides trainees with techniques for communicating effectively with co-workers and supervisors. Includes practical examples that emphasize the importance of verbal and written information and instructions on the job. Also discusses effective telephone and e-mail communication skills.</p>			
<b>COR 10008</b>	<b>Basic Employability Skills</b>	<b>(F,W,S)</b>	<b>0.3</b>
<p>Identifies the roles of individuals and companies in the construction industry. Introduces trainees to critical thinking, problem solving skills, and computer systems and their industry applications. Also reviews effective relationship skills, effective self-presentation, and key workplace issues, such as sexual harassment, stress, and substance abuse.</p>			
<b>COR 10009</b>	<b>Intro to Materials Handling</b>	<b>(F,W,S)</b>	<b>0.2</b>
<p>Recognizes hazards associated with materials handling and explains proper materials handling techniques and procedures. Also introduces materials handling equipment, and identifies appropriate equipment for common job-site tasks.</p>			

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## COS (COSMETOLOGY)

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<b>COS 12100</b>	<b>Cosmetology I</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers orientation, career information, state laws and regulations, professional image, first aid, chemistry, electricity, job-seeking, and professional ethics. Students must pass this course with a minimum grade of "C-" to advance to the next section.</p>			
<b>COS 12200</b>	<b>Cosmetology II</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers health, public sanitation methods, chemical agents, types, classifications of bacterial growth, biology, infections, infection control, products, tools, equipment use and safety, bacteriology, and decontamination. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12100.</p>			
<b>COS 12300</b>	<b>Cosmetology III</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers principles and techniques of treatment and disorders of the hair and scalp and related chemistry, shampoos, rinses, and scalp treatments. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12200.</p>			
<b>COS 12400</b>	<b>Cosmetology IV</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers the principles and techniques of wet styling, blow dry and waving, finger waving, and hairdressing. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12300.</p>			
<b>COS 12500</b>	<b>Cosmetology V</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers the principles and techniques of sectioning, removing length or bulk with a razor, scissors, clippers, or shears in haircutting. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12400.</p>			
<b>COS 12600</b>	<b>Cosmetology VI</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers the principles and techniques of temporary, semi-permanent, deposit-only, and permanent colors, bleaching, tinting, toning, frosting, special effects, and problems in haircoloring. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12500.</p>			
<b>COS 12700</b>	<b>Cosmetology VII</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers the principles and techniques of sectioning, wrapping, processing of chemicals, and rearranging the hair. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12600.</p>			
<b>COS 12800</b>	<b>Cosmetology VIII</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers the principles and techniques of sectioning, curling, and relaxing hair as a texture service. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12700.</p>			
<b>COS 12900</b>	<b>Cosmetology IX</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers the principles and techniques of advanced nails with nail art. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12800.</p>			
<b>COS 13000</b>	<b>Cosmetology X</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers the principles and techniques of massage, manicuring, and pedicuring. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-12900.</p>			
<b>COS 13100</b>	<b>Cosmetology XI</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers the principles and techniques of skin chemical procedures, massage, and facial treatments. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13000.</p>			
<b>COS 13200</b>	<b>Cosmetology XII</b>	<b>(F,W,S)</b>	<b>2.5</b>
<p>This course covers the principles and techniques of cosmetic application, artificial eyelashes, removal of unwanted hair, and lash and brow tinting. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13100.</p>			



<b>COS 13300</b>	<b>Cosmetology XIII</b>	<b>(F,W,S)</b>	<b>2.5</b>
This course covers the principles and techniques of light therapy. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13200.			
<b>COS 13400</b>	<b>Cosmetology XIV</b>	<b>(F,W,S)</b>	<b>2.5</b>
This course covers the fundamentals of business management, opening a salon, and business plans. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13300.			
<b>COS 13500</b>	<b>Cosmetology XV</b>	<b>(F,W,S)</b>	<b>2.5</b>
This course covers the principles and techniques of written agreements, licensing requirements and regulations, laws, salon operations, policies, practices, compensation packages, payroll deductions, telephone use, advertising, sales, communication, public/human relations, insurance, and salon safety. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-13400.			
<b>COS 13600</b>	<b>Cosmetology XVI</b>	<b>(F,W,S)</b>	<b>2.5</b>
This course covers theory review, preparation for the final test, practice of all curriculum, and a simulated state board exam. At 1500 clock hours, eligible students may register for the Cosmetology State Board exam. The final 36 hours are completed with a job shadowing experience at a licensed salon. Prerequisite: COS-13500.			
<b>COS 14100</b>	<b>Skin Care I</b>	<b>(F,W,S)</b>	<b>2.5</b>
In this course, the student will learn how to have a professional image, the history of skin and its cells, and anatomy and physiology. Students will also learn bacteria classifications and safety procedures for a salon. The student will learn the business part of managing a salon and the selling of products and services. Students must pass this course with a minimum grade of "C-" to advance to the next section.			
<b>COS 14200</b>	<b>Skin Care II</b>	<b>(F,W,S)</b>	<b>2.5</b>
In this course, the student will learn about skin disorders, nutrition and health of the skin, chemistry and product ingredients, skin analysis and client consultation, and the proper draping of the client. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-14100.			
<b>COS 14300</b>	<b>Skin Care III</b>	<b>(F,W,S)</b>	<b>2.5</b>
In this course, the student will learn proper cleansing, massage and mask therapy, and how to do facials with and without the aid of machines. Students must pass this course with a minimum grade of "C-" to advance to the next section. Prerequisite: COS-14200.			
<b>COS 14400</b>	<b>Skin Care IV</b>	<b>(F,W,S)</b>	<b>2.5</b>
In this course, the student will learn about removing unwanted hair, aging factors and cosmetic surgery effects, male skin care, aromatherapy, advanced topics such as makeup, and working with a physician. Prerequisite: COS-14300.			
<b>COS 17500</b>	<b>Salon Management</b>	<b>(F,W,S)</b>	<b>1 (1-0)</b>
In this course, the student will study all aspects of salon business operations including physical plan, furnishings and supplies, systems, personnel, and the overall function in the business community. Students must pass this course with a minimum grade of "C-" to advance to the next section.			
<b>COS 21100</b>	<b>Cosmetology Seminar</b>	<b>(V)</b>	<b>1</b>
This seminar provides brush-up for licensed cosmetologists. Students must pass this course with a minimum grade of "C-" to advance to the next section.			
<b>COS 21300</b>	<b>Cosmetology Seminar</b>	<b>(V)</b>	<b>4</b>
This seminar provides brush-up for licensed cosmetologists. In order to advance to the next section, Students must pass this course with a minimum grade of "C-".			

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## ECO (ECONOMICS)

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**ECO 20100 Prin of Economics-MACRO (F,S) 3 (3-0)**

This is a one-semester basic economics course emphasizing national income determination, monetary and fiscal policy, and international trade. (This course may be taken before or after ECO-20200.) Pre or co-requisite: ENG-10303.  
Recommended prerequisite: Sophomore standing. (Social Science Credit)

**ECO 20200 Prin of Economics-MICRO (W) 3 (3-0)**

This is a one-semester course that concentrates on supply and demand analysis, theory of the firm, and the pricing of factors of production. (This course may be taken before or after ECO-20100.) Pre or co-requisite: ENG-10303.  
Recommended prerequisite: Sophomore standing. (Social Science Credit)



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## **EDU (EDUCATION)**

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**EDU 10000 Intro to Teaching**

**(F)**

**3 (2-1)**

This course explores teaching as a career. Along with understanding the requirements of obtaining a degree and a job in teaching, students will develop a knowledge of current issues and problems in education. Observation techniques will be presented that the student will apply to guided classroom observation and participation for each student in accordance with the student's schedule. Pre or co-requisite: ENG-10303.

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## **ELT (ELECTRICAL TECHNOLOGY)**

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<b>ELT 10101</b>	<b>Orientation to the Electrical Trade</b>	<b>(F,W,S)</b>	<b>0.1</b>
Provides an overview of the electrical trade and discusses the career paths available to electricians.			
<b>ELT 10102</b>	<b>Electrical Safety</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers safety rules and regulations for electricians. Teaches the necessary precautions to take for various electrical hazards found on the job. Also covers the OSHA-mandated lockout/tagout procedure. (Replaces ELT-10044)			
<b>ELT 10103</b>	<b>Introduction to Electrical Circuits</b>	<b>(F,W,S)</b>	<b>0.3</b>
Introduces series, parallel, and series-parallel circuits. Covers resistive circuits, Kirchoff's voltage and current laws, and circuit analysis. (Replaces ELT-10047)			
<b>ELT 10104</b>	<b>Electrical Theory</b>	<b>(F,W,S)</b>	<b>0.3</b>
Introduces series, parallel, and series-parallel circuits. Covers resistive circuits, Kirchoff's voltage and current laws, and circuit analysis. (Replaces ELT-10048)			
<b>ELT 10105</b>	<b>Intro to the NEC</b>	<b>(F,W,S)</b>	<b>0.3</b>
Provides a navigational road map for using the NEC. Introduces the layout of the NEC and the types of information found within the code book. Allows trainees to practice finding information using an easy-to-follow procedure. (Replaces ELT-10050)			
<b>ELT 10106</b>	<b>Device Boxes</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers the hardware and systems used by an electrician to mount and support boxes, receptacles, and other electrical components. Covers NEC® fill and pull requirements for device, pull, and junction boxes under 100 cubic inches. (Replaces ELT-10046)			
<b>ELT 10107</b>	<b>Hand Bending</b>	<b>(F,W,S)</b>	<b>0.4</b>
Provides an introduction to conduit bending and installation. Covers the techniques for using hand-operated and step conduit benders, as well as cutting, reaming, and threading conduit. (Replaces ELT-10045)			
<b>ELT 10108</b>	<b>Raceways and Fittings</b>	<b>(F,W,S)</b>	<b>0.8</b>
Introduces the types and applications of raceways, wireways, and ducts. Stresses the appropriate NEC® requirements. (Replaces ELT-10051)			
<b>ELT 10109</b>	<b>Conductors and Cables</b>	<b>(F,W,S)</b>	<b>0.4</b>
Focuses on the types and applications of conductors and covers proper wiring techniques. Stresses the appropriate NEC® requirements. (Replaces ELT-10052)			
<b>ELT 10110</b>	<b>Basic ELT Construction Drawings</b>	<b>(F,W,S)</b>	<b>0.3</b>
Focuses on electrical prints, drawings, and symbols. Teaches the types of information that can be found on schematics, one-lines, and wiring diagrams. (Replaces ELT-10053)			
<b>ELT 10111</b>	<b>Residential Electric Services</b>	<b>(F,W,S)</b>	<b>0.6</b>
Covers the electrical devices and wiring techniques common to residential construction and maintenance. Allows trainees to practice making service calculations. Stresses the appropriate NEC® requirements. (Replaces ELT-10055)			
<b>ELT 10112</b>	<b>Electrical Test Equipment</b>	<b>(F,W,S)</b>	<b>0.2</b>
Focuses on proper selection, inspection, and use of common electrical test equipment, including voltage testers, clamp-on ammeters, ohmmeters, multimeters, phase/motor rotation testers, and data recording equipment. Also covers safety precautions and meter category ratings. (Replaces ELT-10049)			
<b>ELT 10202</b>	<b>Alternating Current</b>	<b>(F,W,S)</b>	<b>0.7</b>
Focuses on forces that are characteristic of alternating-current systems and the application of Ohm's law to AC circuits. (Replaces ELT-10056)			

<b>ELT 10203</b>	<b>Motors: Theory and Application</b>	<b>(F,W,S)</b>	<b>0.8</b>
Covers AC and DC motors, including the main components, circuits, and connections. (Replaces ELT-10057)			
<b>ELT 10204</b>	<b>Electrical Lighting</b>	<b>(F,W,S)</b>	<b>0.6</b>
Introduces the basic principles of human vision and the characteristics of light. Focuses on the handling and installation of various types of lamps and lighting fixtures. (Replaces ELT-10067)			
<b>ELT 10205</b>	<b>Conduit Bending</b>	<b>(F,W,S)</b>	<b>0.6</b>
Covers all types of bends in all sizes of conduit up to 6 inches. Focuses on mechanical, hydraulic, and electrical benders. (Replaces ELT-10059)			
<b>ELT 10206</b>	<b>Pull and Junction Boxes</b>	<b>(F,W,S)</b>	<b>0.5</b>
Driven by the NEC®. Explains how to select and size pull boxes, junction boxes, and handholes. (Replaces ELT-10060)			
<b>ELT 10207</b>	<b>Conductor Installations</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers the transportation, storage, and setup of cable reels; methods of rigging; and procedures for complete cable pulls in raceways and cable trays. (Replaces ELT-10061)			
<b>ELT 10208</b>	<b>Cable Tray</b>	<b>(F,W,S)</b>	<b>0.3</b>
Focuses on NEC® installation requirements for cable tray, including cable installations. (Replaces ELT-10062)			
<b>ELT 10209</b>	<b>Conductor Terminations and Splices</b>	<b>(F,W,S)</b>	<b>0.3</b>
Describes methods of terminating and splicing conductors of all types and sizes, including preparing and taping conductors. (Replaces ELT-10063)			
<b>ELT 10210</b>	<b>Grounding and Bonding</b>	<b>(F,W,S)</b>	<b>0.6</b>
Focuses on the purpose of grounding and bonding electrical systems. Thoroughly covers NEC® requirements. (Replaces ELT-10058)			
<b>ELT 10211</b>	<b>Circuit Breakers and Fuses</b>	<b>(F,W,S)</b>	<b>0.5</b>
Describes fuses and circuit breakers along with their practical applications. Also covers sizing. (Replaces ELT-10065)			
<b>ELT 10212</b>	<b>Control System and Concepts</b>	<b>(F,W,S)</b>	<b>0.5</b>
Gives basic descriptions of various types of contactors and relays along with their practical applications. (Replaces ELT-10066)			
<b>ELT 14000</b>	<b>Solar/Wind Energy Systems</b>	<b>(F,W,S)</b>	<b>3 (2-2)</b>
This course is designed to teach students how solar and wind energies are converted, transmitted and stored. Topics include design, components, installation, power distribution and maintenance of solar/wind energy systems. Theory and hands- on instruction include both residential and industrial renewable energy generation systems that are commonly used to provide the electrical needs of consumers in today's markets. Prerequisites: either AUT-16401 or ELT-10103, ELT-10104 and ELT-10112.			
<b>ELT 20303</b>	<b>Load Calculations - Branch Circuits</b>	<b>(F,W,S)</b>	<b>0.7</b>
Explains how to calculate branch circuit and feeder loads for various residential and commercial applications. (Replaces ELT-20068)			
<b>ELT 20304</b>	<b>Conductor Selection and Calculation</b>	<b>(F,W,S)</b>	<b>0.6</b>
Covers the various factors involved in conductor selection, including insulation types, current-carrying capacity, temperature ratings, and voltage drop. (Replaces ELT-20069)			
<b>ELT 20305</b>	<b>Practical Applications of Lighting</b>	<b>(F,W,S)</b>	<b>0.5</b>
Covers specific types of incandescent, fluorescent, and HID lamps, as well as ballasts, troubleshooting, and various types of lighting controls. (Replaces ELT-20082)			
<b>ELT 20306</b>	<b>Hazardous Locations</b>	<b>(F,W,S)</b>	<b>0.6</b>
Covers the NEC® requirements for equipment installed in various hazardous locations. (Replaces ELT-20080)			

<b>ELT 20307</b>	<b>Overcurrent Protection</b>	<b>(F,W,S)</b>	<b>1</b>
Explains how to size and select circuit breakers and fuses for various applications. Also covers short circuit calculations and troubleshooting. (Replaces ELT-20070)			
<b>ELT 20308</b>	<b>Distribution Equipment</b>	<b>(F,W,S)</b>	<b>0.5</b>
Discusses switchboards and switchgear, including installation, grounding, and maintenance requirements. This module includes blueprints. (Replaces ELT-20073)			
<b>ELT 20309</b>	<b>Transformers</b>	<b>(F,W,S)</b>	<b>0.5</b>
Discusses transformer types, construction, connections, protection, and grounding. (Replaces ELT-20074)			
<b>ELT 20310</b>	<b>Commercial Electrical Services</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers the components, installation considerations, and NEC® requirements for various commercial services.			
<b>ELT 20311</b>	<b>Motor Calculations</b>	<b>(F,W,S)</b>	<b>0.5</b>
Covers calculations required to size conductors and overcurrent protection for motor applications. (Replaces ELT-20076).			
<b>ELT 20312</b>	<b>Voice, Data, and Video</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers installation, termination, and testing of various voice, data, and video cabling systems.			
<b>ELT 20313</b>	<b>Motor Controls</b>	<b>(F,W,S)</b>	<b>0.5</b>
Provides information on selecting, sizing, and installing motor controllers. Also covers control circuit pilot devices and basic relay logic. (Replaces ELT-20078)			
<b>ELT 20404</b>	<b>Load Calculations - Feeder and Serv</b>	<b>(F,W,S)</b>	<b>0.8</b>
Topics include basic calculation procedures for commercial and residential applications. (Replaces ELT-20081)			
<b>ELT 20405</b>	<b>Health Care Facilities</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers the installation of electric circuits in health care facilities, including the requirements for life safety and critical circuits.			
<b>ELT 20406</b>	<b>Standby and Emergency Systems</b>	<b>(F,W,S)</b>	<b>0.4</b>
Explains the NEC® requirements for electric generators and storage batteries. (Replaces ELT-20083)			
<b>ELT 20407</b>	<b>Basic Electronic Theory</b>	<b>(F,W,S)</b>	<b>0.4</b>
Explains the function and operation of basic electronic devices, including semiconductors, diodes, rectifiers, and transistors. (Replaces ELT-20084)			
<b>ELT 20408</b>	<b>Fire Alarm Systems</b>	<b>(F,W,S)</b>	<b>0.6</b>
Covers fire alarm control units, Digital Alarm Communicator Systems (DACS), wiring for alarm initiating and notification devices, and alarm system maintenance. (Replaces ELT-20085)			
<b>ELT 20409</b>	<b>Specialty Transformers</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers various types of transformers and their applications. Also provides information on selecting, sizing, and installing these devices. (Replaces ELT-20086)			
<b>ELT 20410</b>	<b>Advanced Motor Controls</b>	<b>(F,W,S)</b>	<b>0.8</b>
Discusses applications and operating principles of solid-state controls, reduced-voltage starters, and adjustable frequency drives. Also covers basic troubleshooting procedures. (Replaces ELT-20087)			
<b>ELT 20411</b>	<b>HVAC Controls</b>	<b>(F,W,S)</b>	<b>0.6</b>
Provides a basic overview of HVAC systems and their controls. Also covers electrical troubleshooting and NEC® requirements. (Replaces ELT-20088)			
<b>ELT 20412</b>	<b>Heat Tracing and Freeze Protection</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers various heat tracing systems along with their applications and installation requirements. (Replaces ELT-20090)			
<b>ELT 20413</b>	<b>Motor Operation and Maintenance</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers motor cleaning, testing, and preventive maintenance. Also describes basic troubleshooting procedures.			

- ELT 20414 Medium Voltage Termination/Splices (F,W,S) 0.4**  
 Offers an overview of the NEC® and cable manufacturers' requirements for medium-voltage terminations and splices.
- ELT 20415 Special Locations (F,W,S) 0.8**  
 Describes the NEC® requirements for selecting and installing equipment, enclosures, and devices in various special locations including places of assembly, theaters, carnivals, agricultural buildings, marinas, temporary installations, wired partitions and swimming pools.
- ELT 20416 Introductory Skills for Crew Leader (F,W,S) 0.6**  
 Teaches the basic leadership skills required to supervise personnel. Discusses principles of project planning, scheduling, estimating, management, and presents several case studies for student participation.
- ELT 20418 Michigan Laws & Rules (F,W,S) 0.6**  
 The requirements of the Electrical Administrative Act (217) and Michigan 2008 Electrical Code rules, Part 8 will be discussed as to how these laws apply to safeguard person and property in electrical installations in the State of Michigan. Student will also learn how to fill out application forms for electrical licensure and the permitting process. Prerequisite: ELT-10105



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## EMS (EMERGENCY MEDICAL SERVICES)

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<b>EMS 10000</b>	<b>Basic Emergency Medical Technician</b>	<b>(F)</b>	<b>10 (10-0)</b>
<p>The Basic Emergency Medical Technician course is a Michigan Department of Community Health approved course that provides the information and experience necessary to prepare the student to take the National Registry Basic EMT Certification Exam. Students learn the role and responsibilities of an emergency medical technician in providing emergency care. This program covers anatomy and physiology, initial patient survey and triage, airway management, oxygen therapy, and treatment of bleeding, shock, cardiac arrest, fractures, spinal injuries and other medical emergencies. Additional areas of study include automated external defibrillation, multi-lumen airways and general pharmacology. Prerequisites: MTH-06300 and ENG-09920 (or ENG-09000 and ENG-09601) or prerequisites met by placement testing.</p>			
<b>EMS 10100</b>	<b>Clinical I</b>	<b>(F)</b>	<b>1 (0-2)</b>
<p>This course is designed for students to observe and participate in the clinical experiences in both the pre-hospital and hospital settings. Students must complete a minimum of thirty-two hours in the hospital emergency room and at a pre-hospital life support agency. Prerequisites: MTH-06300 and ENG-09920 (or ENG-09000 and ENG-09601) or prerequisites met by placement testing.</p>			
<b>EMS 11000</b>	<b>Emergency First Responder</b>	<b>(S)</b>	<b>4.25 (3.75-1)</b>
<p>This course will provide the student with the knowledge and skills necessary to manage ill or injured victims at the scene of an emergency until the arrival of ambulance personnel. All students who successfully complete this course will be eligible to take the NREMT Emergency Medical Responder test to obtain a state of Michigan MFR License.</p>			
<b>EMS 20000</b>	<b>Intro to Emergency Medicine</b>	<b>(F)</b>	<b>4 (4-0)</b>
<p>This course is the beginning of the Paramedic portion of the EMS program. Topics covered include EMS safety, well being, roles responsibility, illness/injury prevention, legal issues, ethics, medical terminology, anatomy and physiology, pathophysiology, life span development, public health, basic pharmacology principles, medications and pharmacology. Prerequisites: MTH 07300 and ENG 09920 (or ENG-09000 and ENG-09601) or prerequisites met by placement testing and EMS 10000 and EMS 10100.</p>			
<b>EMS 20100</b>	<b>Pharmacology</b>	<b>(F)</b>	<b>3 (2.5-1)</b>
<p>This course covers medications and pharmacology, drug calculations, medicine administration, IV/IO access, airway anatomy and physiology, oxygen administration, intubation, and CPAP/capnography. Prerequisites: EMS-10000 and EMS-10100. Co-requisites: EMS-20000 and EMS-20200.</p>			
<b>EMS 20200</b>	<b>Patient Assessment</b>	<b>(F)</b>	<b>2.5 (2-0.75)</b>
<p>This course covers communication, history taking, patient assessment, and communication/documentation for Paramedics. Prerequisites: EMS-10000 and EMS-10100. Co-requisites: EMS-20000 and EMS-20100.</p>			
<b>EMS 20300</b>	<b>Medical/Surgical</b>	<b>(W)</b>	<b>5.5 (5-1)</b>
<p>This course introduces students to concepts focusing on how the client responds to alterations in health. Course content includes ears, eyes, nose, throat, pulmonology, cardiology, neurology, endocrinology/nutrition, immune system, GI systems, renal, urogenital, musculoskeletal/skin, toxicology, infectious disease, psychiatric/drug abuse, blood disorders/shock. Prerequisites: EMS-10000, EMS-10100, EMS-20000, EMS-20100 and EMS-20200. Co-requisites: EMS-20400 and EMS-20500.</p>			
<b>EMS 20400</b>	<b>Special Considerations</b>	<b>(W)</b>	<b>3 (2.5-0.7)</b>
<p>This course introduces students to concepts related to obstetrics/gynecology, neonatology, pediatrics, geriatrics, abuse/assault, special needs and social issues/chronic illness. Prerequisites: EMS-10000, EMS-10100, EMS-20000, EMS-20100 and EMS-20200. Co-requisites: EMS-20300 and EMS-20500.</p>			
<b>EMS 20500</b>	<b>Clinical II</b>	<b>(W)</b>	<b>3 (0-9.2)</b>
<p>This course is designed for students to observe and participate in clinical experiences in both the pre-hospital and hospital settings. Student must complete a minimum of 150 hours in the hospital emergency room, OB and Surgery. Prerequisites: EMS-10000, EMS-10100, EMS-20000, EMS-20100 and EMS-20200. Co-requisites: EMS-20300 and EMS-20400.</p>			

**EMS 20600 Trauma (S) 5.5 (4.25-2.5)**

This course focuses on skills required when treating trauma situations. Topics include bleeding, soft tissue injuries, burns, head/face trauma, spinal trauma, thoracic trauma, abdominal trauma, musculoskeletal trauma, environmental emergencies, farm/wilderness emergencies, trauma treatment transport, deployment operations, crime scene, dispatch, vehicle ops, rescue, hazardous material/disaster response, tactical EMS. Prerequisites: EMS-10000, EMS-10100, EMS-20000, EMS-20100, EMS-20200, EMS-20300, EMS-20400 and EMS-20500. Co-requisite: EMS-20700.

**EMS 20700 Clinical III (S) 2 (0-6)**

This course is designed for students to observe and participate in the clinical experiences in both the pre-hospital and hospital settings. Students must complete a minimum of 100 hours in the hospital emergency room, OB and Surgery. Prerequisites: EMS-10000, EMS-10100, EMS-20000, EMS-20100, EMS-20200, EMS-20300, EMS-20400 and EMS-20500. Co-requisite: EMS-20600.

**EMS 20800 EMS Capstone (F) 6.25 (5.5-1.5)**

This capstone course will build upon the entire didactic portion of the EMS program. It will provide the core certificate courses such as CPR for the Healthcare Provider, ACLS (Advanced Cardiac Life Support), PALS (Pediatric Advanced Life Support) and PHTLS (Pre-Hospital Trauma Life Support), which will be the requirement for most EMS jobs. This course will also be a complete review of everything the student has learned and prepare him/her for the Final Exam and the National Registry Exam. Prerequisites: EMS-10000, EMS-10100, EMS-20000, EMS-20100, EMS-20200, EMS-20300, EMS-20400, EMS-20500, EMS-20600 and EMS-20700. Co-requisite: EMS-29900.

**EMS 29900 Internship (F) 5.25**

The externship course is a requirement of the State of Michigan which allows the student to provide pre-hospital care as a team leader with a life support agency. A licensed experienced paramedic and EMT will be with the student at all times. The student must complete 250 hours in the pre-hospital setting with a life support agency and achieve 50 patient contacts. Prerequisites: EMS-10000, EMS-10100, EMS-20000, EMS-20100, EMS-20200, EMS-20300, EMS-20400, EMS-20500, EMS-20600 and EMS-20700. Co-requisite: EMS-20800.

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## ENG (ENGLISH & LITERATURE)

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**ENG 09810 Fundamental Reading & Writing (F,W,S) 1 (1-0)**

This course is designed to strengthen students' ability to analyze structure, word choice and function, and context to determine meaning of unfamiliar words. Students will also practice basic paraphrasing using synonyms and antonyms. Prerequisite: ACCUPLACER Score of 29-58.

**ENG 09920 College Reading & Writing (F,W,S) 4 (4-0)**

This course is designed to develop students' proficiency in contextualized reading and writing with a special emphasis on the interconnectedness of author, audience, purpose, context, and textual elements within written compositions of various genres and styles. Instruction will be provided individually, in small groups, and through whole class discussions. Students will also be introduced to research basics and MLA or APA formatting. Prerequisite: ACCUPLACER score of 59-79.

**ENG 10303 English Composition I (F,W,S) 3 (3-0)**

Composition I teaches the writing skills necessary to succeed in communicating in career, college or life. Students will write and revise four formal, structured essays, two impromptu essays, and many informal composition works. The course will introduce students to research skills through a short research project applying writing and computer skills. Prerequisite: ENG-09920 (or ENG-09601 and ENG-09000) or prerequisite(s) met by placement testing. (Communication)

**ENG 10403 English Composition II (F,W,S) 3 (3-0)**

A continuation of English Composition I, this course emphasizes writing analytical, critical, and argumentative essays and developing effective thinking skills. The course provides practice in library methods, research techniques, and the documented research essay. Prerequisite: Satisfactory (C or better) completion of ENG-10303. (Communication)

**ENG 11800 Intro Technical & Prof Writing (F,W) 3 (3-0)**

ENG-11800 is an introduction to technical and professional communication for students pursuing applied science degrees and certificates in career and technical programs. The course is intended to meet the needs of students who wish to gain useful practice in professional communication required in organizations and the work place. This course is not intended for transfer students. Prerequisite: ENG-09920 (or ENG-09601 and ENG-09000) or prerequisite(s) met by placement testing. Co-requisite: Enrollment in a Career Technical Program

**ENG 21400 Intro to Literature (W) 3 (3-0)**

This course considers the expression in literature of such universal themes in human experience as the loss of innocence, the search for identity, the desire for happiness, and the confrontation with death through the study of selected essays, fiction, poetry, and drama. Prerequisite: Satisfactory (C or better) completion of ENG-10303 or permission of instructor. (Humanities Credit - Literature) Note: Offered in Winter of even-numbered years.

**ENG 22500 Contemporary Literature (S) 3 (3-0)**

Students will study works of selected authors of the 20th century. Prerequisite: Satisfactory (C or better) completion of ENG-10303 or permission of instructor. (Humanities Credit - Literature) Note: Offered in Summer of odd-numbered years.

**ENG 22800 Mythology (F) 3 (3-0)**

A cross-cultural and historical survey of the world's myths, the class will also consider such questions as the meaning of myth, the purposes and functions of myth, theories of how myths originate, and ways that myths have been analyzed and interpreted. Prerequisite: Satisfactory (C or better) completion of ENG-10303 or permission of instructor. (Humanities Credit - Literature) Note: Offered in Fall of odd-numbered years.

**ENG 23300 British Literature I (F) 3 (3-0)**

A survey of British Literature from its beginnings through the 18th Century. Prerequisite: Satisfactory (C or better) completion of ENG-10303 or permission of instructor. Note: Offered in even-numbered years. (Humanities Credit - Literature)

**ENG 25112 Science Fiction & Fantasy**

**(S)**

**3 (3-0)**

This course is a study of Science Fiction and Fantasy literatures. It will investigate the progression of the genre with a look at Greek Myth, modern science fiction and fantasy novels and films. The focus will be on the quest and development of heroes in fantasy. The focus will also be on the future as the effects of science and technology on society are explored and developed in literature. Prerequisite: ENG-10303 (C or better) or permission of instructor. Note: Offered in Summer of even-numbered years.



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## **FFT (FIRE FIGHTER TRAINING)**

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**FFT 20700 Firefighter I & II**

**(F,W)**

**14**

This course first provides an introduction to basic fire suppression, prevention procedures and skill development, and then deals with advanced fire suppression techniques. This course is for students who are currently employed by a Michigan Fire Marshall recognized fire department, or currently seeking employment, and/or volunteer in a recognized fire district. This course meets the state-mandated requirements for preparing students to take the exam for state certification for entry-level on-call or volunteer fire fighters. Michigan State law mandates that persons taking this course must be at least 18 years of age and have a valid Michigan Driver's License.

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## FIN (FINANCE)

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**FIN 2000 Principles of Finance**

**(F)**

**3 (3-0)**

Concentrates on knowledge needed to make keen financial decisions in an increasingly competitive business environment. Practical application of financial concepts, international dimensions and ethical issues. Prerequisite: ACC-12100 or ACC-12500.

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## **GEL (GEOLOGY)**

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**GEL 10500    Physical Geology**

**(F)**

**4 (3-2)**

This lecture and laboratory course examines earth materials and the internal and external processes acting on them. Among the topics to be discussed are rocks and minerals, vulcanism, accretion, and the agents of erosion. Laboratory studies include rock and mineral identification and interpretation of topographic maps, geologic maps, and aerial photographs. (Science Credit)

**GEL 23000    Prehistoric Life**

**(W)**

**4 (3-2)**

An introduction to the three billion year history of life on earth. Topics include the origin of life, mass extinctions, history of dinosaurs and evolution of mammals Prerequisite: ENG-09920 (or ENG-09601) or prerequisite met by placement testing. (Science Credit)



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## **GEO (GEOGRAPHY)**

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**GEO 1000 World Geography**

**(F,W,S)**

**4 (4-0)**

This course provides description and analysis of basic geographic concepts as they relate to the major world regions, and the distribution patterns of various social, economic, and cultural activities of man. Pre or co-requisite: ENG-10303.  
(Social Science Credit)

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## **HIS (HISTORY)**

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**HIS 10500 History of World Societies to 1500 (F) 3 (3-0)**

This course provides a historical survey of the origins and development of human communities from their prehistoric origins to the 16th century. Emphasis is given to similarities, differences, and interrelationships among selected societies, cultures, and civilizations. Prerequisite: ENG 09920 (or ENG 09000 and 09601) or prerequisite(s) met by placement testing. (Humanities credit)

**HIS 10600 Hist of World Societies Since 1500 (W) 3 (3-0)**

This course is a historical survey of the human community from approximately 1500 to the present. Emphasis is given to the nature, cause, and consequences of the current phase of global integration. Prerequisite: ENG 09920 (or ENG 09000 and 09601) or prerequisite(s) met by placement testing. (Humanities credit)

**HIS 20100 United States History to 1865 (F) 3 (3-0)**

This course is a survey of the history of the United States from its European background through the Civil War, with special emphasis on the colonial period and the Revolution, the rise of the federal system of government, the growth of democracy, territorial expansion, sectionalism and the Civil War. Prerequisite: ENG 09920 (or ENG 09000 and 09601) or prerequisite(s) met by placement testing. (Humanities credit)

**HIS 20200 United States History Since 1865 (W) 3 (3-0)**

A continuation of HIS-20100, this is a survey of United States history from 1865 to the present, starting with the aftermath of the Civil War, emphasizing industrial growth, social changes, and reforms, 20th-century political trends, international commitments, and leadership. Prerequisite: ENG 09920 (or ENG 09000 and 09601) or prerequisite(s) met by placement testing. (Humanities credit)

**HIS 20300 Michigan History (F) 3 (3-0)**

This course provides a survey of the history of Michigan from the coming of the white man. The history of the state is placed in its regional and national setting. Prerequisite or co-requisite: ENG-10303. (Humanities Credit)

**HIS 20400 The American Civil War (W) 3 (3-0)**

This course examines the origins and outcomes of the sectional conflict that split the United States in two from 1861 to 1865. Emphasis is given to social, political, and military events from the 1840s to the end of Reconstruction. Prerequisite or corequisite: ENG-10303. (Humanities Credit)

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## HIT (HEALTH INFORMATION TECHNOLOGY)

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**HIT 10600 Intro-Health Information Management (F,W,S) 3 (3-0)**

This course is designed to introduce the student to health information systems from a broad view of the health care industry to the basic elements of health information technology, through the physician's office, acute care setting, and other health care environments. Introduces the structure and operations of healthcare organizations and the role of various disciplines; and health record content, data sets, licensure, accreditation, certification, and basic computer information systems that apply to health care. Pre or co-requisites: CIS-10500 and ENG-10303.

**HIT 20000 Intro to Electronic Health Records (F,W,S) 3 (1-4)**

This course is designed to introduce the student to health informatics with a primary focus on the function, content, structure, and implementation of electronic health record (EHR) systems in health care delivery. Students will learn to use and evaluate EHR software for accessing a patient account, creating a patient file, and to enter and retrieve data. Introduces compliance with HIPAA and confidentiality. Prerequisites: BIO-10700, CIS-10500, ENG-10303 and HIT-10600.

**HIT 21301 Diagnostic Coding (F,W) 4 (4-0)**

This course is designed to introduce the student to basic coding rules, regulations, and conventions for the current International Classification of Diseases using automated and manual systems. Introduces other classifications, nomenclatures, medical vocabularies, and applicable payment classification systems. Builds practical application skills in code assignment from brief diagnostic statements to more complex coding scenarios. Prerequisites: ALH-10101 & BIO-10700. Co-requisite: ALH-10801

**HIT 21601 Procedure Coding (F,W) 4 (4-0)**

This course is designed to introduce the student to basic coding rules, regulations, and conventions for current procedural coding classifications using automated and manual systems. Introduction to other classifications, nomenclatures, medical vocabularies, and applicable payment classification systems. Builds practical application skills in code assignment from brief procedural statements to more complex coding scenarios. Prerequisites: ALH-10101 & BIO-10700. Co-requisite: ALH-10801.

**HIT 23001 Health Statistics & Quality Improve (F,W) 4 (4-0)**

This course is designed to provide health care students with a rudimentary understanding of the terms, definitions and formulas used in computing health care statistics and to self-testing opportunities and application of the statistical formula. Introduces the study and application of quality assessment and improvement concepts in healthcare organizations and external regulatory requirements for health record documentation. Prerequisites: HIT-10600 and either MTH-12000 or MTH-20600.

**HIT 23101 Health Information Mgmt II (W) 3 (2-4)**

This course will expand concepts from Intro to Health Information Management utilizing case studies and projects. Topics covered will include screen designs, advanced concepts of health care delivery systems, registries, human resource skills, team building and budgeting. Prerequisite: HIT-10600.

**HIT 23102 Health Information Management II (F,W) 4 (2-4)**

This course will expand concepts from Intro to Health Information Management, utilizing case studies and projects. Topics covered will include screen designs, advanced concepts of health care delivery systems, registries, human resource skills, team building and budgeting. Prerequisite: HIT-10600. Co-requisite: HIT-29901.

**HIT 23200 Health Data Content & Structure (F,W) 3 (1-4)**

This course is designed to provide an introduction to the content, use and structure of health care data and data sets and how these components relate to primary and secondary record systems. Incorporates mastery of storage and retrieval systems, documentation requirements, abstracting, quantitative and qualitative analysis, and registries. Prerequisites: HIT-20000, HIT-21301 & HIT-21601.

**HIT 23301 Revenue Cycle & Reimbursement (F,W) 4 (2-4)**

This course is designed to introduce the student to the uses of coded data from cases in reimbursement and payment systems appropriate to health care settings and managed care. An introduction to revenue cycle management to include billing processes, claims management, and chargemaster. Prerequisite: HIT-21301 & HIT-21601.

**HIT 29901 Practicum-Medical Billing & Coding (F,W) 4**

This course provides students with a component of extensive review of health information technology skills. Emphasis is placed on application of all health information technology in traditional and/or non-traditional health care facilities through on-site and/or online simulations. Program audit must be completed and approved by advisor one semester prior to the practicum. Prerequisites: Completion of all other HIT courses for the degree except HIT-23101. Pre or co-requisite: HIT-23101.

**HIT 29902 Practicum-Medical Coding & Billing (F,W) 4**

This course provides students with a component of extensive review of medical coding and billing skills. Emphasis is placed on advanced medical coding techniques and revenue cycle procedures with coding/billing office work experience virtual by simulation. Includes career research, resume writing, interviewing, networking and time management skills. Prerequisites: Completion of all other required courses for the certificate, completion of all HIT courses with a minimum grade of C+, and overall GPA of 2.3, and permission of the HIT advisor.

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## HUM (HUMANITIES)

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**HUM 20500 The Individual and Society**

**(F,W)**

**3 (3-0)**

This course examines the perspectives of many social sciences and cultures in order to appreciate the mosaic of American and other societies from a variety of points of view. As several key current social issues and controversies are studied, students will work to illuminate an understanding of their own place in their communities, the larger society, and the modern world. Prerequisite: ENG 09920 (or ENG 09000 and 09601) or prerequisite(s) met by placement testing. (Humanities credit)

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## **HVC (HEATING/VENTILATION/AC/REFRIGERATION)**

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<b>HVC 10130</b>	<b>EPA Refrigerant Certification</b>	<b>(V)</b>	<b>1</b>
<p>This course is designed to prepare the participant to write the EPA refrigerant examination. Upon successful completion of the examination, participants will qualify for refrigerant certification. This certification is required by the EPA for any individual who installs, maintains, and/or repairs commercial refrigeration systems.</p>			
<b>HVC 11100</b>	<b>Introduction to HVAC</b>	<b>(F,W,S)</b>	<b>0.3</b>
<p>Covers the basic principles of heating, ventilating, and air conditioning, career opportunities in HVAC, and how apprenticeship programs are constructed. Basic safety principles, as well as trade licensure and EPA guidelines, are also introduced. (Replaces HVC-11000 &amp; HVC-10093)</p>			
<b>HVC 11101</b>	<b>Trade Mathematics</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>Explains how to solve HVAC/R trade related problems involving the measurement of lines, area, volume, weights, angles, pressure, vacuum, and temperature. Also includes a review of scientific notation, powers, roots, and basic algebra and geometry. (Replaces HVC-11001 &amp; HVC-10094)</p>			
<b>HVC 11102</b>	<b>Basic Electricity</b>	<b>(F,W,S)</b>	<b>0.5</b>
<p>Introduces the concept of power generation and distribution, common electrical components, AC and DC circuits, and electrical safety as it relates to the HVAC field. Introduces reading and interpreting wiring diagrams. (Replaces HVC-11005 and HVC-10099)</p>			
<b>HVC 11103</b>	<b>Introduction to Heating</b>	<b>(F,W,S)</b>	<b>0.6</b>
<p>Covers the fundamentals of heating systems and the combustion process. The different types and designs of gas furnaces and their components, as well as basic procedures for their installation and service, is provided. (Replaces HVC-11007 &amp; HVC-10101)</p>			
<b>HVC 11104</b>	<b>Introduction to Cooling</b>	<b>(F,W,S)</b>	<b>1.2</b>
<p>Explains the fundamental operating concepts of the refrigeration cycle and identifies both primary and secondary components found in typical HVAC/R systems. Common refrigerants are introduced as well. Describes the principles of heat transfer and the essential pressure temperature relationships of refrigerants. Basic control concepts for simple systems are also introduced. (Replaces HVC-11006 &amp; HVC-10100)</p>			
<b>HVC 11105</b>	<b>Intro to Air Distribution Systems</b>	<b>(F,W,S)</b>	<b>0.6</b>
<p>Describes the factors related to air movement and its measurement in common air distribution systems. The required mechanical equipment and materials used to create air distribution systems are also presented. Basic system design principles for both hot and cold climates are introduced. (Replaces HVC-11008 &amp; HVC-10120)</p>			
<b>HVC 11106</b>	<b>Basic Copper &amp; Plastic Piping Pract</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>Explains how to identify types of copper tubing and fittings used in the HVAC/R industry and how they are mechanically joined. The identification and application of various types of plastic piping, along with their common assembly and installation practices, are also presented. (Replaces HVC-11002 &amp; HVC-10096)</p>			
<b>HVC 11107</b>	<b>Soldering &amp; Brazing</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>Introduces the equipment, techniques, and materials used to safely join copper tubing through both soldering and brazing. The required PPE, preparation, and work processes are covered in detail. The procedures for brazing copper to dissimilar materials are also provided. (Replaces HVC-11003 &amp; HVC-10097)</p>			
<b>HVC 11108</b>	<b>Basic Carbon Steel Piping Practices</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>Explains how to identify various carbon steel piping materials and fittings. The joining and installation of threaded and grooved carbon steel piping systems is covered, with detailed coverage of threading and grooving techniques included. (Replaces HVC-11004 &amp; HVC-10098)</p>			

<b>HVC 11200</b>	<b>Alternating Current</b>	<b>(F,W,S)</b>	<b>0.3</b>
Presents the basic concepts of alternating current generation and use. Discusses how single and three-phase alternating current is used to power resistive and inductive circuits. Various types of transformers are identified. Basic operation of single- and three-phase motors is explained and the process of safely testing AC-powered devices. (Replaces HVC-10205 & HVC-10105)			
<b>HVC 11201</b>	<b>Compressors</b>	<b>(F,W,S)</b>	<b>0.7</b>
Explains the operating principles of the different types of compressors used in comfort air conditioning and refrigeration systems, along with basic installation, service, and repair procedures. (Replaces HVC-20301 & HVC-10111)			
<b>HVC 11202</b>	<b>Refrigerants &amp; Oils</b>	<b>(F,W,S)</b>	<b>0.5</b>
Discusses the refrigerants and oils used in modern refrigeration and air conditioning systems including new handling and service requirements. (Replaces HVC-20300)			
<b>HVC 11203</b>	<b>Leak Detect/Evac/Recov/Charging</b>	<b>(F,W,S)</b>	<b>1.2</b>
Covers servicing of the refrigerant circuit of HVAC systems. The four essential service tasks—leak detection, evacuation, recovery, and charging—are covered in detail in addition to EPA’s requirements for providing these services. (Replaces HVC-10204 & HVC-10113)			
<b>HVC 11204</b>	<b>Metering Devices</b>	<b>(F,W,S)</b>	<b>0.3</b>
Introduces metering devices used in the mechanical refrigeration cycle. Covers their primary function along with related components. Operation of capillary tube, fixed-orifice, and expansion-type metering devices is explored in addition to selecting and installing thermal expansion valves. (Replaces HVC-20302 & HVC-10110)			
<b>HVC 11205</b>	<b>Heat Pumps</b>	<b>(F,W,S)</b>	<b>0.8</b>
Presents the operation of heat pump systems in detail with additional emphasis on electric resistance heating elements. Covers installation considerations of both split and packaged heat pump systems. (Replaces HVC-10210 & HVC-10112)			
<b>HVC 11206</b>	<b>Basic Maintenance</b>	<b>(F,W,S)</b>	<b>0.4</b>
Describes common tasks associated with basic maintenance. Specific tasks, such as lubrication and belt installation, are reviewed in detail. Provides detailed coverage on maintenance inspections of gas furnaces and common cooling/heat pump systems. (Replaces HVC-10211 & HVC-10121)			
<b>HVC 11207</b>	<b>Chimneys, Vents &amp; Flues</b>	<b>(F,W,S)</b>	<b>0.2</b>
Covers the chimneys, vents, and flues that are used with fuel-burning furnaces and boilers. (Replaces HVC-10201 & HVC-10103)			
<b>HVC 11208</b>	<b>Sheet Metal Duct Systems</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers the layout, fabrication, installation, and insulation of sheet metal duct systems. Also includes selection of registers, diffusers, dampers, and other duct accessories. (Replaces HVC-10212)			
<b>HVC 11209</b>	<b>Fiberglass &amp; Fabric Duct Systems</b>	<b>(F,W,S)</b>	<b>0.3</b>
Reviews the application and methods of fabricating fiberglass duct systems. Installation guidelines and methods to repair damaged components. Concludes with fabric-based duct systems. (Replaces HVC-10213)			
<b>HVC 11210</b>	<b>Commercial Airside Systems</b>	<b>(F,W,S)</b>	<b>0.5</b>
Introduces systems used in commercial structures such as schools and office buildings that are divided into comfort heating and cooling zones. Covers the various types of systems, as well as the air terminals and air source equipment used. Commonly used accessories are also covered. (Replaces HVC-10200 & HVC-20149)			
<b>HVC 11211</b>	<b>Air Quality Equipment</b>	<b>(F,W,S)</b>	<b>0.2</b>
Introduces the factors related to indoor air quality and human comfort. Equipment used to control humidity is presented in detail. Also covers air filtration materials and the introduction of outside air into the indoor environment. (Replaces HVC-10203 & HVC-10109)			
<b>HVC 11212</b>	<b>Introduction to Hydronic Systems</b>	<b>(F,W,S)</b>	<b>0.5</b>
Introduces hydronic heating systems, the fuels used to heat the water and the pumps that circulate the heated water. (Replaces HVC-10202)			

<b>HVC 14000</b>	<b>Geothermal Heat Pump Systems</b>	<b>(F,W,S)</b>	<b>3 (2-2)</b>
This course is designed to teach students the theory, design, installation and maintenance of water source geothermal heating/cooling systems. Theory concepts include open/closed loop systems and lab application with common geothermal systems. Prerequisites: HVC-11005, HVC-11006, HVC-11007 and HVC-10210.			
<b>HVC 21300</b>	<b>Hardware &amp; Fastening</b>	<b>(F,W,S)</b>	<b>0.4</b>
Covers a variety of fasteners, hardware, and wiring terminations used in HVAC systems including the installation of these components.			
<b>HVC 21301</b>	<b>Control Circuit/Motor Troubleshoot</b>	<b>(F,W,S)</b>	<b>1.2</b>
Provides information and skills to troubleshoot control circuits and electric motors found in heating and cooling equipment. (Replaces HVC-10207 & HVC-10123)			
<b>HVC 21302</b>	<b>Troubleshooting Cooling</b>	<b>(F,W,S)</b>	<b>0.8</b>
Provides guidance related to troubleshooting cooling systems. (Replaces HVC-10209 & HVC-20144)			
<b>HVC 21303</b>	<b>Troubleshooting Heat Pumps</b>	<b>(F,W,S)</b>	<b>0.5</b>
Provides a thorough review of heat pump systems, operating cycle and troubleshooting procedures for components. (Replaces HVC-20310 & HVC-20145)			
<b>HVC 21304</b>	<b>Troubleshooting Gas Heating</b>	<b>(F,W,S)</b>	<b>0.5</b>
Covers information and skills needed to troubleshoot gas-fired furnaces and boilers. (Replaces HVC-10208 & HVC-20141)			
<b>HVC 21305</b>	<b>Troubleshooting Oil Heating</b>	<b>(F,W,S)</b>	<b>0.5</b>
Describes the construction and operation of oil-fired heating systems and their components. Includes servicing and testing of oil furnaces and procedures for isolating and correcting oil furnace malfunctions. (Replaces HVC-20309 & HVC-20143)			
<b>HVC 21306</b>	<b>Troubleshooting Accessories</b>	<b>(F,W,S)</b>	<b>0.3</b>
Delivers information and skills needed to troubleshoot various air treatment accessories used with heating and cooling equipment. (Replaces HVC-20311 & HVC-20146)			
<b>HVC 21307</b>	<b>Ductless Equipment/Zone Control Sys</b>	<b>(F,W,S)</b>	<b>0.5</b>
Introduces the information and skills needed to troubleshoot and repair zoned, ductless, and variable refrigerant flow systems.			
<b>HVC 21308</b>	<b>Commercial Hydronic Systems</b>	<b>(F,W,S)</b>	<b>0.3</b>
Reviews basic properties of water and describes how water pressure is related to the movement of water through piping systems. Describes various types and components of commercial hot-water heating and chilled-water cooling systems, and examines how those systems function. (Replaces HVC-20304)			
<b>HVC 21309</b>	<b>Steam Systems</b>	<b>(F,W,S)</b>	<b>0.4</b>
Focuses on the use of steam for storing and moving energy in HVAC systems. Reviews the fundamentals of water that relate to steam and describes the basic steam system cycle. Discusses a steam system's operational components—steam boilers and their accessories and controls; steam system loads, including heat exchangers/converters and terminal devices. Steam system valves and piping are covered in detail, including common types of piping arrangements, the components of a condensate return/feedwater system, steam and condensate pipe sizing; and pressure-reducing valves and thermostatic valves. (Replaces HVC-20305)			
<b>HVC 21310</b>	<b>Retail Refrigeration Systems</b>	<b>(F,W,S)</b>	<b>0.6</b>
Covers the applications, principles, and troubleshooting of retail refrigeration systems. (Replaces HVC-20303)			
<b>HVC 21311</b>	<b>Customer Relations</b>	<b>(F,W,S)</b>	<b>0.2</b>
Presents the importance of establishing good relations with customers and provides guidance on how to achieve that goal. Focuses on ways for a technician to make a good first impression and describes how to communicate in a positive manner with customers. The elements of a service call and dealing with different types of problem customers are also covered.			



<b>HVC 21400</b>	<b>Water Treatment</b>	<b>(F,W,S)</b>	<b>0.5</b>
Explains water problems encountered in heating and cooling systems and identifies water treatment methods and equipment. Covers basic water testing procedures and chemistry. (Replaces HVC-20307 & HVC-20132)			
<b>HVC 21401</b>	<b>Indoor Air Quality</b>	<b>(F,W,S)</b>	<b>0.4</b>
Defines the issues associated with indoor air quality and its effect on the health and comfort of building occupants. Provides guidelines for performing an IAQ survey and covers the equipment and methods used to monitor and control indoor air quality. (Replaces HVC-20402 & HVC-20129)			
<b>HVC 21402</b>	<b>Energy Conservation Equipment</b>	<b>(F,W,S)</b>	<b>0.3</b>
Covers heat recovery/reclaim devices, as well as other energy recovery equipment used to reduce energy consumption in HVAC systems. (Replaces HVC-20403 & HVC-20130)			
<b>HVC 21403</b>	<b>Building Management Systems</b>	<b>(F,W,S)</b>	<b>0.5</b>
Explains how computers and microprocessors are used to manage zoned HVAC systems. Provides coverage of various network protocols and systems controllers, and introduces trainees to the various means of connection and system interface. (Replaces HVC-20404 & HVC-20131)			
<b>HVC 21404</b>	<b>System Air Balancing</b>	<b>(F,W,S)</b>	<b>0.6</b>
Covers air properties and gas laws, as well as the use of psychrometric charts. Describes the tools, instruments, and procedures used to balance an air distribution system. (Replaces HVC-20401 & HVC-20150)			
<b>HVC 21405</b>	<b>System Startup &amp; Shutdown</b>	<b>(F,W,S)</b>	<b>0.6</b>
Presents the procedures for the startup and shutdown of hot water, steam heating, chilled water, and air handling systems. Also covers the start-up and shutdown of typical cooling towers and packaged HVAC units. The procedures for both short- and long-term shutdowns are included. (Replaces HVC-20405 & HVC-20133)			
<b>HVC 21406</b>	<b>Construction Drawings/Specification</b>	<b>(F,W,S)</b>	<b>0.5</b>
Teaches how to interpret drawings used in commercial construction, including mechanical drawings, specifications, shop drawings, and as-builts. Explains how to perform takeoff procedures for equipment, fittings, ductwork, and other components. (Replaces HVC-20400 & HVC-20128)			
<b>HVC 21407</b>	<b>Heating &amp; Cooling System Design</b>	<b>(F,W,S)</b>	<b>1</b>
Identifies factors that affect heating and cooling loads. Explains the process by which heating and cooling loads are calculated, and how load calculations are used in the selection of heating and cooling equipment. Covers basic types of duct systems and their selection, sizing, and installation requirements. (Replaces HVC-20406 & HVC 20134)			
<b>HVC 21408</b>	<b>Commercial/Industrial Refrigeration</b>	<b>(F,W,S)</b>	<b>0.8</b>
Expands on the study of product and process refrigeration equipment by describing systems used in cold storage and food processing applications, as well as transportation refrigeration. Various types of defrost systems are covered in detail. (Replaces HVC-20407 & HVC-20135)			
<b>HVC 21409</b>	<b>Alternative/Specialized HVAC System</b>	<b>(F,W,S)</b>	<b>0.4</b>
Describes alternative devices used to reduce energy consumption, including wood, coal, and pellet fired systems, waste-oil heaters, geothermal heat pumps, solar heating, in-floor radiant heating, and direct-fired makeup units. Also introduces application-specific computer room environmental and air turnover systems. (Replaces HVC-20408)			
<b>HVC 21410</b>	<b>Fundamentals of Crew Leadership</b>	<b>(F,W,S)</b>	<b>0.8</b>
Along with the principles of project planning, scheduling, and estimating, this module teaches the basic skills required for supervising personnel. (Replaces HVC-20409)			

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## **MEC (MECHATRONICS)**

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- MEC 10000 Basic Electricity & Controls (V) 3 (2-2)**  
Industry relevant fundamentals of AC/DC electrical systems are introduced in subject areas including safety, electrical circuits, measurement, circuit analysis, inductance, capacitance and transformers. Relay logic control circuits are presented for students to understand in commercial and industrial applications. Additional concepts include solenoid valves, sequencing controls, time delay functions, proximity sensors, photo electric sensors and Hall-effect sensors. The learning environment will be a combination of theory based concepts and hands-on applications using industry recognized equipment and materials. Prerequisite: MTH-06300 (Basic Math) or competency.
- MEC 10401 Intro to Pneumatics (F,W,S) 2**  
This course will teach basic pneumatics to prepare learners to work intelligently in industry with pneumatic applications. It introduces pneumatic power and takes learners through key topics and skills in pneumatic power and safety, pneumatic circuits, pneumatic schematics, the principles of pneumatic pressure and flow, and pneumatic speed control circuits. It covers pressure regulation, air filtration, how to connect pneumatic circuits, pneumatic cylinders, valves and actuators, a wide array of pneumatic applications, pressure and cylinder force, pneumatic leverage, pressure and volume, and air flow resistance.
- MEC 10600 Mechanical Drives (F,W,S) 3.4 (1-4.3)**  
Mechanical drives introduces mechanical systems and develops fundamental knowledge of mechanical systems and practices. Covers basic safety, installation, key fasteners, power transmission systems, v-belt drives, chain drives, spur gear drives, and multiple shaft drives. Topics covered include learning how to select, install, adjust, troubleshoot and repair a range of mechanical systems which are commonly found in both automated and manual machines used in every industry around the world.
- MEC 10700 Pump Systems (F,W,S) 2 (1-1)**  
This course will introduce the student to centrifugal pumping systems commonly found throughout industrial and commercial facilities. Coursework will include safety, pump operation, maintenance, and system design including pump selection for various applications. Laboratory activities will include pump start up, calculating head pressure, flow rates as well as disassembly and inspection.
- MEC 10800 Intro to Hydraulic Systems (F,W,S) 2 (1-2)**  
Students will learn the history of hydraulics, the design of hydraulics circuits and the components utilized in hydraulic systems. Topics covered will include safety power units, actuators, conductors, control valves and fluid conditioning. Students will assemble various hydraulic circuits with components that are widely used throughout industry.
- MEC 10901 Precision Measuring Tools (F,W,S) 2**  
Introduces basic measurement, precision measurement tools, and dimensional gauging. Learners will cover concepts such as S.I. Measurement, U.S. Customary Measurements, Tape Measure and Measurement Conversion. Applications taught include using a dial caliper, digital caliper, English and metric micrometer, to include outside, inside and depth. Dimensional gauging will include an introduction to gauging as well as indicator measurement, data collection, and statistical process control (SPC). Measurement Tools provides an overview of concepts in control, chart analysis and operation, geometric dimensioning and tolerancing, and location, orientation, and form tolerances.
- MEC 20100 Programmable Logic Controllers (F,W,S) 3 (2-2)**  
The course Programmable Controller -- SLC500/01 teaches how to program, operate, and interface the SLC500/01 programmable controller and RSLinx PLC programmable software in a variety of industrial applications. Students learn industry-relevant skills including subject areas such as PLC orientation, operation, programming, motor control, discrete I/O interfacing, event sequencing, application development, timer instructions, and counter instructions,. Learners will gain knowledge in how to design, program and operate a PLC to control a number of process applications used by industries all over the world. Prerequisites: MEC-10000.

**MEC 20200 Adv Controller Applications (F,W,S) 3 (1-2)**

This course will teach how to design, program and operate a PLC to control a number of process applications used by industries all over the world. The skills learned are in high demand everywhere today. These skills include orientation, operation, programming, memory organization, program analysis, motor control, discrete I/O interfacing, troubleshooting, systems troubleshooting, event sequencing, application development timer instructions, counter instructions, program control instructions, and math and data move instructions.

**MEC 20400 Robotics Systems & Applications (F,W) 4**

Robotic systems used in modern manufacturing systems will be the focus of this course. Students will learn the applications and fundamentals of robot selection, programming and implementation. Topics will include electromechanical and fluid power systems, sensors, controls, maintenance and troubleshooting. Students will program robots commonly used in manufacturing environments.

**MEC 20500 Transfer Line Capstone (F,W,S) 3 (2-2)**

Studies will include the operation, maintenance, troubleshooting and repair of an industrial transfer line to include a pick and place feeding station, gauging station, orientation-processing station, and a servo-robotic assembly station. With an emphasis on safety and operation, lecture and lab activities will allow students to learn and utilize the technologies that integrate industrial automated assembly found in manufacturing environments. Prerequisites: MEC-20200 and MEC-20300.

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## MKT (MARKETING)

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- MKT 11000 Principles of Selling** (F,S) **3 (3-0)**  
What does it take to be a highly successful salesperson and business leader? Explore the concepts that build leadership and selling skills, identify aspects of consumer buying decisions, ethical dilemmas, learn about relationship building, common mistakes in communicating, and sales processes.
- MKT 11500 Customer Relations** (W) **3 (3-0)**  
This course examines the role of Customer Relations in the economy with emphasis on customer relations in business and organizations that have considerable dealings with the public. The class addresses the four C's of excellent customer service, dealing with difficult people, handling angry customers, developing service strategies, customer service habits to develop, do's and don'ts of customer service, customer service on the web, and culminates with the student's development of a customer relations policy and program for their 'chosen' organization.
- MKT 20000 Principles of Marketing** (F,W,S) **3 (3-0)**  
Marketing is the dynamic process in which business communicates value to their customers. Integrated marketing strategies will be experienced by exploring the necessary focus on objectives and effective resource utilization, while working to predict market changes and consistently satisfying the customer needs profitably. Students will meet learning objectives by applying marketing aspects: research, marketing mix, pricing, promotion, and assessment by creating a marketing plan.
- MKT 20200 Internet Marketing** (W) **3 (3-0)**  
This course focuses on marketing in electronic environments primarily on the Internet, on one or more of its services (WWW, email), or offline by enterprises that produce and sell Internet-related products. The focus is on the synergy created when traditional marketing is performed in electronic environments and greatly reduce or eliminate time and space constraints, facilitate personalization and customization and allow the interoperability of computers and other devices. Prerequisites: CIS 10500 and MKT 20000 or permission of instructor.
- MKT 20400 Advertising** (F) **3 (3-0)**  
This course addresses the social value of advertising and its role in marketing. Analysis of behavioral scientists' findings in regard to customer appeals and motivations, window display techniques, and principles of advertising copy and layout are conducted.

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## MPT (MANUFACTURING TECHNOLOGY)

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- MPT 11000 Machine Theory & Operation I (F) 4 (2-4)**  
This introductory course to machine tools will give the student fundamental knowledge in the machine tool trade. Students will learn the components of a blueprint and the relationship to machine tool practices. Basic shop math, trigonometry, and metallurgy will guide the student in standard machine tool set up and practical applications. The entry level course will give hands-on operation of the grinder, lathe, mill and saw operations.
- MPT 11100 Machine Theory & Operation II (W) 4 (2-4)**  
Students will learn advanced machine tool practices using the surface grinder, lathe and vertical mill. Attention will be given to the fabrication of projects such as 123 block and a vice. This course will build on the knowledge gained in Machine Tool I and require the learner to use various tools in the completion of projects. This course is designed to allow the student to be more creative and work independently under the direction of the instructor. Prerequisite: MPT-11000.
- MPT 11200 Practical Problems in Machine Tools (S) 3 (2-2)**  
Students will apply basic and advanced machine tool practices in the fabrication and repair of components typically found in the manufacturing environment. Given real world problems to solve, students must use critical thinking skills to design and fabricate tooling that will function to specification. This course is designed to allow the students to work within a team environment. Topics covered will include statistical process control, total productive maintenance and continuous improvement. Prerequisite: MPT-11000. Pre or co-requisite: MPT-11100.
- MPT 12000 CNC Machining I (F,W,S) 3**  
This course will provide students with an introduction to Computer Numerical Control (CNC) theory and machine tool operation. Students will learn the various axes on vertical milling machines and turning centers (lathes) as well as understand the difference between absolute and incremental programming. Topics covered will include the recognition of different types of machines, their motions and the shop math skills necessary to become a successful CNC machinist. Emphasis will focus on CNC cutting tool technology, fundamentals of work piece offset, tool setup and using the correct clamping methods. Students will learn and perform the programming process utilizing the fundamentals of G and M codes. Students will also learn to perform common machine maintenance practices on various CNC machines.
- MPT 12100 CNC Machining II (F,W,S) 3**  
The advanced course builds upon the Computer Numerical Control (CNC) theory and machine tool concepts presented in CNC Machining I (MPT-12000). Students will learn the advanced G and M codes, fundamentals of cutter compensation and when to use subroutines or subprograms. Learning activities will also include the use of a canned cycle for drilling and cutting conditions for both the mill and the lathe. Emphasis will include learning how to thread mill, bore a set of jaws for a lathe and the use of a tailstock for a lathe. Upon completion of this course, the student will demonstrate a working knowledge of a CNC vertical machining center (mill) and a CNC turning center (lathe).
- MPT 12200 Lean Manufacturing (F,W,S) 3**  
Students will learn the advanced machining techniques that are essential in cutting costs in order to remain competitive in today's global manufacturing environment. Focus will be on programming shortcuts utilizing G and M codes and macro programming techniques. Concepts in this course will expose and teach the fundamentals of probing and lean manufacturing techniques that set potential employees apart from the rest. Students will also be exposed to and learn the advantages of multi-axis machining.
- MPT 12300 Machinery's Handbook (F,W,S) 2 (0-2)**  
The student will learn to use the Machinery's Handbook to research, identify, and find information that is vital for a successful maintenance mechanic, machinist or toolmaker. Students will solve practical problems related to common industry applications. Topics include shop math, material properties, machining parameters, tapers, threads, gearing, and tooling specifications. Upon completion of this course, the student will demonstrate knowledge in the structure of the Machinery's Handbook and the ability to navigate the text in problem solving situations.

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## MTH (MATHEMATICS)

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**MTH 06300 Basic Mathematics (F,W,S) 4**

Mathematical concepts involving whole numbers, fractions, decimals, percents, proportions, measurement, geometry, and elementary algebraic operations will be taught.

**MTH 07300 Basic Algebra (F,W,S) 4**

The fundamental operation of algebra using integers and rational numbers, exponents, linear equations, word problems, special products, factoring, and graphing of straight lines will be taught. A graphing calculator is required. Prerequisite: MTH-06300 or requisite placement test scores.

**MTH 12000 Intermediate Algebra (F,W,S) 4 (4-0)**

This course includes the study of the properties of real numbers, basic concepts of algebraic operations, solving and graphing linear and nonlinear functions, systems of equations, complex numbers, quadratic functions, factoring, rational expressions, and basic interpretations of tables and graphs of data. A graphing calculator is required. Prerequisite: MTH 07300 or requisite placement test scores. (Math Credit)

**MTH 12500 Quantitative Literacy (F,W) 4 (4-0)**

Applies mathematical techniques to solve real-world problems. Involves the study of topics including set theory, logic, mathematical models, financial math, probability, statistics and voting apportionment. Prerequisites: MTH 07300 and ENG 09920 (or ENG 09000 and 09601) or prerequisites met by placement testing. (Math credit)

**MTH 13000 College Algebra (F,W,S) 4 (4-0)**

This is a one semester course designed to prepare students for the study of calculus. The topics to be covered include review of the fundamentals of algebra, relations, functions, solutions, of first- and second degree equations and inequalities, systems of equations, determinants, binomial theorem, mathematical induction, polynomial functions and theory of equations, analytic geometry and conic sections, geometric and arithmetical sequences and series, and miscellaneous topics. Calculators will be used for selected topics. Prerequisite: MTH 12000 or requisite placement test scores. (Math Credit)

**MTH 18001 Pre-Calculus (F) 4 (4-0)**

This course includes the study of functions, algebraic operations, trigonometry, logarithmic and exponential functions, conics, parametric equations, polar equations, combinations, permutations, sequences and series, and mathematical induction. A graphic calculator is required. Contact the mathematics department for information on calculator type. Prerequisite or corequisite: MTH 13000 or requisite placement test scores. (Math Credit)

**MTH 20600 Application in Statistics (F,W,S) 4 (4-0)**

This is an introductory course in statistics for any field in which the collection, analysis, interpretation, and presentation of numerical data are important. Topics include organization of data, types of distributions (binomial, normal, student t, chi-square), sampling, testing of hypotheses, confidence intervals, correlation, and regression. Additionally, the students will choose a project that will allow them to gain experience and demonstrate understanding of some of the statistical techniques or methods. A calculator is required. Computer software will be utilized. Prerequisite: MTH-07300 or higher. (Math Credit)

**MTH 22002 Calculus I (W) 4 (4-0)**

This is the first of a three-semester sequential course in analytic geometry and calculus. Topics include functions, limits, continuity, derivatives, integrals, and their applications. A graphing calculator is required. Prerequisite: MTH 13000 and MTH 18001 or requisite placement test scores. (Math Credit)

**MTH 22102 Calculus II (F) 4 (4-0)**

This course is a continuation of MTH-22002. Topics include applications of integration, techniques of integration, L'Hopital's Rule, improper integrals, infinite series, conic section, plane curves, parametric equations, and polar coordinates. A graphing calculator is required. Prerequisite: MTH-22002. (Math Credit)

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## MUS (MUSIC)

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**MUS 10100 Music History & Appreciation (F,S) 3 (3-0)**

This course is a guide to listening, with emphasis on understanding and experiencing the fundamentals of music to increase the enjoyment and knowledge of music and to cultivate the art of intelligent and perceptive listening. Pre or co-requisite: ENG-10303. (Humanities Credit)

**MUS 12300 Jazz History & Appreciation (W) 3 (3-0)**

This course is an in-depth study of America's only original art form through a historical and social perspective beginning with Blues and including Dixieland, swing, BeBop, and modern jazz. (Humanities credit)

**MUS 15000 Vocal Ensemble (F,W) 1 (0-3)**

Performance ensemble with an emphasis of vocal mechanics, choral blending, rehearsal technique, sight singing, and ear training. Elementary music theory will also be taught, including treble and bass note reading, note values and rhythms (simple meter), and major key signatures. Repertoire is at the discretion of the instructor and will include a variety of genres ranging from the Middle Ages and Contemporary/Popular and may include foreign language literature.

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## NUR (NURSING)

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**NUR 10515 Fundamentals of Nursing Practice (F,W) 9.5 (7-5.5)**

This course is designed to provide introductory nursing students the fundamentals of nursing knowledge and skills to build upon and expand for future courses. This course introduces the concepts within the three domains of Professionalism, Health and Patient-Centered Care. Emphasis is placed on selected concepts within the syllabus. A clinical, skills lab and simulation experience are required in this course. Upon completion, students will be able to provide safe nursing care incorporating the concepts identified for this course. Prerequisite: Admission to the Nursing Program.

**NUR 10701 Mental Health Concepts (W) 1 (1-0)**

This course is designed to assist the student nurse to develop knowledge and skills for providing basic psychiatric nursing care. The student will achieve psychosocial adaptation competencies in assisting the client with an acute or chronic mental illness, substance abuse issue or crisis/violence need. The student is introduced to the nursing process applied to psychiatric nursing, therapeutic communication skills, and general assessment. Upon completion, students should be able to provide safe nursing care, incorporating the concepts identified in this course. Prerequisite: Admission to the Nursing Program.

**NUR 10815 Nursing Across the Lifespan (F,W) 8 (3-14)**

This course is designed to further develop the three domains of Professionalism, Patient-Centered Care and Health. Emphasis is placed on the concepts defined within the syllabus. A clinical and simulation component are included in this course. Upon completion, students will be able to provide safe nursing care incorporating the concepts identified in the course. Prerequisite: Admission to the Nursing Program.

**NUR 11015 Critical Thinking in Nursing (F,W) 2 (2-0)**

This course is designed for beginning nursing students, introducing critical thinking skills needed for nursing practice based on fundamental knowledge. Concepts are developed within the three domains of Professionalism, Patient-Centered Care, and Health. Emphasis is placed on selected concepts defined within the syllabus. Upon completion, students will begin to develop clinical reasoning skills integrating the nursing process applied to clinical situations. Prerequisite: Admission to the Nursing Program.

**NUR 19915 Role Transition (F) 4 (4-0)**

This course emphasizes professional responsibilities associated with transitioning from practical nurse to registered nurse. Focus is on nursing regulations, standards of practice and accountability, and components of quality and safety. Critical thinking is integrated within this course to promote higher level of clinical reasoning and judgment providing students the opportunity to extend knowledge and skills needed to continue and grow as a registered nurse. Prerequisite: Acceptance into LPN to ADN program.

**NUR 21415 Nursing Pharmacology (F,W) 4 (4-0)**

This course is designed to further develop the concepts within the three domains of Health, Patient-Centered Care and Professionalism. Emphasis is placed on the selected concepts within the syllabus. Association of drug therapy to clinical experience will be emphasized throughout the course. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course. Prerequisite: Admission to the Nursing Program. Co-requisite: NUR-10515.

**NUR 22215 Advanced Medical/Surgical Nursing I (F,W) 8 (4-14)**

This course is designed to introduce and develop medical/surgical concepts within the three domains of Professionalism, Patient-Centered Care and Health. Emphasis is placed on concepts identified in the syllabus. The student will apply evidence-based practice in problem solving, decision making, and critical thinking for patient needs with a focus on introductory disease process. Clinical and simulation experiences are required in this course. Upon completion, students will provide safe nursing care incorporating the concepts identified in the course. Prerequisite: Admission to the Nursing Program.





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## **PHB (PHLEBOTOMY)**

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**PHB 10100 Phlebotomy Technician**

**(F,W)**

**6 (3-8.5)**

This course provides the student with an overview of the healthcare field and skills and knowledge to properly and safely collect a blood or body fluid specimen and prepare the specimen for testing by the medical laboratory. The student will be able to utilize a variety of blood collection methods, to include vacuum, syringe, and capillary puncture and will put safety practices into place to protect themselves and the patient. The student will also gain an understanding of performing CLIA waived laboratory tests. Prerequisite: ENG 09920 (or ENG-09601) or prerequisite met by placement testing.

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## PHL (PHILOSOPHY)

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**PHL 20100 Intro to Philosophy**

**(F)**

**3 (3-0)**

An introduction to not only the study of philosophy, but also its active and systematic practice. While the course explores such topics as the origin and development of philosophy, the ideas of major philosophers, and significant philosophical issues and problems, students are encouraged, above all, to practice the methods of philosophy as a life skill. Pre or co-requisite: ENG-10303 or permission of instructor. (Humanities Credit)

**PHL 21000 Introduction to Ethics**

**(F,W)**

**3 (3-0)**

An introduction to the study of moral philosophy. Through reading, writing, and discussion, students will explore moral values and the major ethical theories, practice effective moral reasoning, and apply ethical thinking to issues and problems in various fields and their own lives. Pre or co-requisite: ENG-10303 or permission of instructor. (Humanities Credit)

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## PHM (PHARMACY TECHNOLOGY)

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**PHM 11000 Pharmacy Technology I (F) 9 (4-10)**

Designed to provide an overview of concepts necessary for a pharmacy technician in a hospital or retail setting, this course focuses on drugs by brand name, generic name and function and on pharmacological cautions, pharmaceutical calculations (such as fractions and decimals), medication labels and measurement of medications. Students are introduced to dispensing and control of drugs, knowledge of physiological effects of drugs, inventory control, insurance billing, pharmacy terminology and the evolution of pharmacy. Prerequisites: MTH 07300 and ENG 09920 (or ENG 09000 and 09601) or prerequisites met by placement testing. Co-requisite: ALH-10101

**PHM 12000 Pharmacy Technology II (W) 3 (3-0)**

Educates the student on the responsibilities and concerns relating to issues that impact Pharmacy Technology. Application of concepts and theory learned in Pharmacy Technology I to the clinical environment, including retail, hospital, and specialty pharmacy through case studies and internship experiences. Prerequisites: PHM-11000 and ALH-10101.

**PHM 19900 Pharmacy Technology Internship (W) 3**

The student will apply the concepts and theory learned in the didactic courses to the clinical environment to include the retail pharmacy, hospital pharmacy and specialty pharmacy. Prerequisites: ALH-10101 and PHM-11000; co-requisites: PHM-12000 and SPE-11400.

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## PHY (PHYSICS)

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**PHY 10501 Physical Science (W) 3 (3-0)**

This is a lecture and virtual laboratory classroom course in physical science. The course investigates fundamental matter and energy concepts in the physical universe through the use of selected materials from the areas of astronomy, chemistry, and physics. Attention is given to the methods of scientific inquiry and applications in technology. This course may be elected to meet the science requirement by those not majoring in science. Prerequisite: MTH 07300 or requisite placement test scores. Co-requisite: PHY-10502. (Science Credit)

**PHY 10502 Physical Science Lab (W) 1 (0-2)**

This is a laboratory course to accompany PHY-10501. Co-requisite: PHY-10501. (Science Credit)

**PHY 11000 General Physics (F) 4 (3-2)**

This one-semester, introductory physics course explores the fundamental topics of momentum, energy, oscillations and waves, electricity and magnetism, and light. This course can be an intermediate step before taking an algebra or calculus based physics course and meets the Michigan Transfer Agreement requirement of a science course with a laboratory. Prerequisite: MTH-07300 or requisite placement test scores.

**PHY 20101 Physics I with Trigonometry (F) 4 (4-0)**

This is an algebra-trigonometry-based lecture course in introductory physics. Topics will include general properties of energy and matter with emphasis on mechanics, heat, thermodynamics and sound. Co-requisites: MTH-18001 and PHY-20102. (Science Credit)

**PHY 20102 Physics I with Trigonometry Lab (F) 1 (0-3)**

This is a laboratory course to accompany PHY-20101. Co-requisite: PHY-20101.

**PHY 20201 Physics II with Trigonometry (W) 4 (4-0)**

This is a continuation of Physics I w/Trigonometry. Topics will include principles of electricity and magnetism, optics, and concepts of modern physics such as relativity and nuclear physics. Prerequisites: PHY-20101 and PHY-20102 or permission of instructor. Co-requisite: PHY-20202. (Science Credit)

**PHY 20202 Physics II with Trigonometry Lab (W) 1 (0-3)**

This is a laboratory course to accompany PHY-20201. Co-requisite: PHY-20201. (Science Credit)

**PHY 22101 Physics I with Calculus (F) 4 (4-0)**

This is an introductory lecture course that will provide a calculus-based background of basic principles and theories with practical applications; topics will include general properties of matter with emphasis on mechanics and waves; heat and thermodynamics, and sound. Prerequisite: MTH-22002. Co-requisite: MTH-22102 and PHY-22102. (Science Credit)

**PHY 22102 Physics I with Calculus Lab (F) 1 (0-3)**

This is a laboratory course to accompany PHY-22101. It will provide the student with a background of basic laboratory skills and experimental experience in approaching physical principles and theories with practical applications; topics will include electricity and magnetism, optics and light, modern physics, and nuclear physics. Emphasis will be placed on proper laboratory procedures and utilization of the Scientific Method. Co-requisite: PHY-22101. (Science Credit)

**PHY 22201 Physics II with Calculus (W) 4 (4-0)**

This is a continuation of PHY-22101 that will provide a calculus-based background of basic principles and theories with practical applications; topics will include electricity and magnetism, optics and light, modern physics, and nuclear physics. Prerequisite: PHY-22101. Co-requisite: PHY-22202. (Science Credit)

**PHY 22202 Physics II with Calculus Lab (W) 1 (0-3)**

This is an laboratory course that should be taken in tandem with the PHY-22201 physics lecture course. It will provide the student with a background of basic laboratory skills and experimental experience in approaching physical principles and theories with practical applications; topics will include electricity and magnetism, optics and light, modern physics, and nuclear physics. Emphasis will be placed on proper laboratory procedures and utilization of the Scientific Method. Prerequisites: PHY-22101 and PHY-22102. Co-requisite: PHY-22201. (Science Credit)

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## **PLB (PLUMBING)**

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<b>PLB 10301</b>	<b>Intro to the Plumbing Profession</b>	<b>(F,W,S)</b>	<b>0.2</b>
<p>Introduces trainees to the many career options available in today's plumbing profession. Provides a history of plumbing and also discusses the current technology, industries, and associations that make up the modern plumbing profession. Also reviews human relations and safety skills.</p>			
<b>PLB 10302</b>	<b>Plumbing Safety</b>	<b>(F,W,S)</b>	<b>0.8</b>
<p>Discusses the causes of accidents and their consequences and repercussions in terms of delays, increased expenses, injury, and loss of life. Reviews the types and proper use of personal protective equipment (PPE). Instructs trainees in the use of critical safety information conveyed in hazard communication (HazCom), safety signs, signals, lockout/tagout, and emergency response. Covers confined-space safety, and reviews safety issues related to hand and power tools.</p>			
<b>PLB 10303</b>	<b>Plumbing Tools</b>	<b>(F,W,S)</b>	<b>0.3</b>
<p>Instructs trainees in the care and use of the different types of hand and power tools they will use on the job. Gives trainees the information they need to select the appropriate tools for different tasks, and reviews tool maintenance and safety issues.</p>			
<b>PLB 10304</b>	<b>Intro to Plumbing Math</b>	<b>(F,W,S)</b>	<b>0.3</b>
<p>Reviews basic math concepts, such as whole numbers, fractions, decimals, and squares, and demonstrates how they apply to on-the-job situations. Teaches trainees how to measure pipe using fitting tables and framing squares and how to calculate 45-degree offsets.</p>			
<b>PLB 10305</b>	<b>Intro to Plumbing Drawings</b>	<b>(F,W,S)</b>	<b>0.5</b>
<p>Introduces trainees to the different types of plumbing drawings they will encounter on the job and discusses how to interpret and apply them when laying out and installing plumbing systems. Discusses the symbols used in plumbing and mechanical drawings and reviews isometric, oblique, orthographic, as well as schematic drawings. Requires trainees to render plumbing drawings and to recognize how code requirements apply to plumbing drawings.</p>			
<b>PLB 10306</b>	<b>Plastic Pipe and Fittings</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>Introduces trainees to the different types of plastic pipe and fittings used in plumbing applications, including ABS, PVC, CPVC, PE, PEX, and PB. Describes how to measure, cut, join, and support plastic pipe according to manufacturer's instructions and applicable codes. Also discusses pressure testing of plastic pipe once installed.</p>			
<b>PLB 10307</b>	<b>Copper Pipe and Fittings</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>Discusses sizing, labeling, and applications of copper pipe and fittings and reviews the types of valves that can be used on copper pipe systems. Explains proper methods for cutting, joining, and installing copper pipe. Also addresses insulation, pressure testing, seismic codes, and handling and storage requirements.</p>			
<b>PLB 10308</b>	<b>Cast Iron Pipe and Fittings</b>	<b>(F,W,S)</b>	<b>0.5</b>
<p>Introduces trainees to hub-and-spigot and no-hub cast iron pipe and fittings and their applications in DWV systems. Reviews material properties, storage and handling requirements, and fittings and valves. Covers joining methods, installation, and testing.</p>			
<b>PLB 10309</b>	<b>Carbon Steel Pipe and Fittings</b>	<b>(F,W,S)</b>	<b>0.4</b>
<p>Discusses threading, labeling, and sizing of carbon steel pipe and reviews the differences between domestic and imported pipe. Also covers the proper techniques for measuring, cutting, threading, joining, and hanging carbon steel pipe.</p>			
<b>PLB 10310</b>	<b>Corrugated Stainless Steel Tubing</b>	<b>(F,W,S)</b>	<b>0.1</b>
<p>Reviews flexible plastic-coated steel tubing. Discusses piping system components and the various connection and installation options. Also reviews applicable safety and code requirements.</p>			
<b>PLB 10311</b>	<b>Fixtures and Faucets</b>	<b>(F,W,S)</b>	<b>0.2</b>
<p>Discusses the proper applications of code-approved fixtures and faucets in plumbing installations. Reviews the different types of fixtures and faucets and the materials used in them. Also covers storage, handling, and code requirements.</p>			

<b>PLB 10312</b>	<b>Intro to Drain/Waste/Vent (DWV) Sys</b>	<b>(F,W,S)</b>	<b>0.4</b>
Explains how DWV systems remove waste safely and effectively. Discusses how system components, such as pipe, drains, traps, and vents, work. Reviews drain and vent sizing, grade, and waste treatment. Also discusses how building sewers and sewer drains connect the DWV system to the public sewer system.			
<b>PLB 10313</b>	<b>Intro to Water Distribution Systems</b>	<b>(F,W,S)</b>	<b>0.4</b>
Identifies the major components of water distribution systems and describes their functions. Reviews water sources and treatment methods and covers supply and distribution for the different types of systems that trainees will install on the job.			
<b>PLB 10314</b>	<b>Plumbing Math Two</b>	<b>(F,W,S)</b>	<b>0.6</b>
Explains the Pythagorean theorem and reviews methods for finding angles. Discusses the techniques used to calculate simple and rolling offsets, as well as offsets on parallel runs of pipe.			
<b>PLB 10315</b>	<b>Reading Commercial Drawings</b>	<b>(F,W,S)</b>	<b>0.8</b>
Teaches trainees how to interpret and use civil, architectural, structural, mechanical, plumbing, and electrical drawings when installing plumbing systems. Covers how to create and use isometric drawings, material takeoffs, and approved submittal data.			
<b>PLB 10316</b>	<b>Hanger/Support/Struc Pen/Fire Stop</b>	<b>(F,W,S)</b>	<b>0.4</b>
Introduces trainees to methods for attaching and running DWV and water supply piping in relation to structural elements, including pipe hangers and supports, modifications to structural members, and fire stopping.			
<b>PLB 10317</b>	<b>Installing &amp; Testing DWV Piping</b>	<b>(F,W,S)</b>	<b>1</b>
Explains how to locate, install, connect, and test a complete drain, waste, and vent (DWV) system.			
<b>PLB 10318</b>	<b>Installing Roof/Floor/Area Drains</b>	<b>(F,W,S)</b>	<b>0.2</b>
Covers the proper techniques for locating, installing, and connecting roof, floor, and area drains according to code. Also discusses waterproof membranes and flashing, drain components, and proper drain applications.			
<b>PLB 10319</b>	<b>Types of Valves</b>	<b>(F,W,S)</b>	<b>0.2</b>
Reviews the many types of valves, their components, and valve applications. Also covers valve repair and replacement.			
<b>PLB 10320</b>	<b>Install &amp; Test Water Supply Piping</b>	<b>(F,W,S)</b>	<b>0.8</b>
Explores the proper techniques for locating, installing, and testing complete water supply systems, including piping, meters, water heaters, water softeners, and hose bibs. Reviews common code requirements for water supply systems.			
<b>PLB 10321</b>	<b>Installing Fixtures/Valves/Faucets</b>	<b>(F,W,S)</b>	<b>0.8</b>
Covers the installation of basic plumbing fixtures, including bathtubs, shower stalls, lavatories, sinks, water closets, and urinals. Also reviews the installation of associated valves, faucets, and components.			
<b>PLB 10322</b>	<b>Intro to Electricity</b>	<b>(F,W,S)</b>	<b>0.6</b>
Introduces trainees to the principles of electricity, including voltage, current, resistance, and power. Includes important electrical formulas, circuitry, and common plumbing-related electrical applications.			
<b>PLB 10323</b>	<b>Installing Water Heaters</b>	<b>(F,W,S)</b>	<b>0.2</b>
Discusses gas-fired, electric, solar, instantaneous, and indirect water heaters, components, and applications. Reviews proper installation and testing techniques and covers the latest federal guidelines that apply to water heaters.			
<b>PLB 10324</b>	<b>Fuel Gas Systems</b>	<b>(F,W,S)</b>	<b>0.8</b>
Introduces the techniques for safe handling of natural gas, liquefied petroleum gas, and fuel oil. Reviews fuel gas and fuel oil applications, systems installation, and testing.			
<b>PLB 10325</b>	<b>Servicing Fixtures/Valves/Faucets</b>	<b>(F,W,S)</b>	<b>0.2</b>
Covers the troubleshooting and repair of fixtures, valves, and faucets in accordance with code and safety guidelines.			

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## **POL (POLITICAL SCIENCE)**

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**POL 10100 Intro to American Government**

**(F,W,S)**

**3 (3-0)**

A study of the processes and functions of national government, this course includes a study of federalism, political parties, constitutional principles, and the role of the citizen. Prerequisite: ENG 09920 (or ENG 09000 and 09601) or prerequisite(s) met by placement testing. (Social Science Credit)

**POL 20000 International Relations**

**(F)**

**3 (3-0)**

This is a study of the nature of relations among nations with particular reference to the basic principles of international politics, including foreign policy, cooperation, conflict, and the role of international organizations. Special focus will be on global issues such as political and economic development, human rights, population growth, food and energy policies, and conservation. Prerequisite: POL-10100. (Social Science Credit) Note: Offered in the Fall of even-numbered years.



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## PSY (PSYCHOLOGY)

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**PSY 10100 Intro to Psychology (F,W,S) 3 (3-0)**

This course is a study of human and animal behavior with reference to perception, learning memory, thinking, emotions, intelligence, aptitude, and personality. The need for scientific investigation of behavior is stressed throughout the course. In addition, the behavioral neuroscience, psychodynamic, social/behavioral, cognitive, and humanistic viewpoints are considered for analysis of psychological phenomena. Prerequisite: ENG 09920 (or ENG 09000 and 09601) or prerequisite(s) met by placement testing. (Social Science Credit)

**PSY 20200 Abnormal Psychology (F,W,S) 3 (3-0)**

Abnormal psychology provides examination of the main psychological disorders manifested by individuals across the life span. This includes a descriptive and theoretical survey of the major forms of psychopathology in children, adolescents, and adults, and will also explore current trends and research in the fields of mental health and psychopathology. The course will provide an historical overview of mental illness followed by exploration into the eating disorders, schizophrenia, mood disorders, suicide, anxiety disorders, dissociative disorders, sexual and gender identity disorders and the insanity defense. Prerequisite: PSY-10100. (Social Science Credit)

**PSY 24000 Lifespan Developmental Psychology (W) 3 (3-0)**

This is a course designed to introduce the basic principles of developmental psychology from conception to death (life-span). The course, while pursuing a chronological approach (life-stages) and examining basic developmental tasks appropriate to each stage, will explore the factors that influence growth and development. Prerequisite: PSY-10100 or permission of instructor. (Social Science Credit)

**PSY 26001 Human Sexuality (F) 3 (3-0)**

This course will examine the effect of human sexuality and sex roles upon human behavior. Additionally, findings in contemporary sexual research and therapy will be emphasized. Pre or co-requisite: ENG-10303. (Social Science Credit)

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## SOC (SOCIOLOGY)

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**SOC 10100 Intro to Sociology (F,W) 3 (3-0)**

This course is an introduction to the nature of society, culture, group relations, social processes, and institutions. Prerequisite: ENG-08602 or demonstrated competency. (Social Science Credit)

**SOC 23500 Racial, Cultural & Ethnic Diversity (F) 3 (3-0)**

Concepts such as prejudice, stereotyping, discrimination, and racism will be considered from a cross-cultural perspective. Emphasis will be on sociocultural and self-awareness in areas of race, ethnicity, age, and gender. Prerequisite: SOC-10100. (Social Science Credit)

**SOC 24000 Criminology (W) 3 (3-0)**

This course provides an analysis of crime, criminal behavior, and punishment through a variety of historical and contemporary theoretical perspectives. Prerequisite or co-requisite: ENG-10303 and PSY-10100 or SOC-10100 or permission of instructor. (Social Science Credit)

**SOC 24500 Social Deviant Behavior (W) 3 (3-0)**

This course provides a study of social deviant behavior, including social and ethnic bias, sociopath, cult behavior and ethical behaviors within the criminal justice process. Prerequisite: PSY-10100 or SOC-10100. (Social Science Credit)

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## SON (CARDIAC SONOGRAPHY)

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<b>SON 10000</b>	<b>Intro to Sonography Patient Care</b>	<b>(F)</b>	<b>2 (2-1)</b>
<p>This course consists of theory and guided learning lab practice. Focus is acquisition of basic skills and an understanding of cardiac medical terminology, pharmacology, and monitoring along with the basics of IV therapy, vital signs, patient transfer, O2 maintenance and medical ethics (including HIPPA).</p>			
<b>SON 10600</b>	<b>Cardiovascular Anatomy &amp; Physiology</b>	<b>(F)</b>	<b>4 (4-0)</b>
<p>A complete study and explanation of the heart, the peripheral and arterial systems and their associated structures. This class is vital to an understanding of the anatomy &amp; function of the heart and vascular systems as well as the basic physiology as it relates to cardiac and vascular anatomy and function. Prerequisite: program admission.</p>			
<b>SON 11000</b>	<b>Ultrasound Physics</b>	<b>(F)</b>	<b>3 (3-0)</b>
<p>This course is designed to teach the fundamentals of Ultrasound Physics and instrumentation. This includes review of different transducer models, the propagation of sound waves, and the Ultrasound's effect on the body.</p>			
<b>SON 11600</b>	<b>Basic Sonography</b>	<b>(F)</b>	<b>3 (3-0)</b>
<p>This course applies the knowledge of cardiovascular anatomy and physiology to the fundamentals of ultrasound imaging and the knowledge to obtain the standard basic views required for an echocardiographic examination. Prerequisite: program progression. Co-requisite: SON-11700.</p>			
<b>SON 11700</b>	<b>Basic Sonography Lab</b>	<b>(F)</b>	<b>4 (0-8)</b>
<p>This course is the application of theory to practice related to the fundamentals of ultrasound imaging and the standard basic views required for an echocardiographic examination. Prerequisite: program progression. Co-requisite: SON-11600.</p>			
<b>SON 12500</b>	<b>Valvular Heart Disease</b>	<b>(W)</b>	<b>3 (3-0)</b>
<p>This course presents cardiovascular related valvular conditions and diseases. Their etiology and symptoms are discussed and correlated to cardiovascular imaging and techniques required to assist the physician in diagnosis of these conditions. Prerequisite: program progression. Co-requisite: SON-13500.</p>			
<b>SON 13100</b>	<b>Cardiomyopathies/Congenital Defects</b>	<b>(W)</b>	<b>3 (3-0)</b>
<p>This course provides further knowledge of Cardiomyopathies and Congenital defects related to cardiac anatomy and physiology to the principles of cardiac imaging techniques and procedures. Prerequisite: Program progression. Co-requisite: SON-13200.</p>			
<b>SON 13200</b>	<b>Cardiomyopathies/Congenital Lab</b>	<b>(W)</b>	<b>4 (0-8)</b>
<p>This course applies theory to practice of Cardiomyopathies and Congenital Defects and integrates the knowledge of anatomy, physiology and hemodynamics with clinical skills. Prerequisite: Program progression. Co-requisite: SON-13100.</p>			
<b>SON 13500</b>	<b>Valvular Heart Disease Clinical Lab</b>	<b>(W)</b>	<b>2 (0-6)</b>
<p>This course presents cardiovascular related valvular conditions and diseases. Their etiology and symptoms are discussed and correlated to cardiovascular imaging and techniques required to assist the physician in diagnosis of these conditions. Prerequisite: program progression. Co-requisite: SON-12500.</p>			
<b>SON 15000</b>	<b>Complete Adult Echocardiogram</b>	<b>(S)</b>	<b>3 (3-0)</b>
<p>This course relates further knowledge of cardiac anatomy and physiology and cardiac pathology and abnormalities that may be encountered in a clinical setting. Prerequisite: Program progression. Co-requisite: SON-16000.</p>			
<b>SON 15600</b>	<b>Advanced Sonography</b>	<b>(S)</b>	<b>3 (3-0)</b>
<p>This course focuses on correlating cardiac disease processes and pathophysiology to aid the physician in the appropriate disease diagnosis. The students increase in knowledge as this course integrates advanced cardiac imaging techniques to investigate various cardiac disease states. Prerequisite: program progression. Prerequisite: Program progression. Co-requisite: SON-15700.</p>			



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## SPE (SPEECH)

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**SPE 10500 Fund of Speech (F,W,S) 3 (3-0)**

Fundamentals of Speech addresses the basic principles of speech construction and delivery. During the course, the student will give various kinds of speeches, including impromptu and extemporaneous. (Communication)

**SPE 10600 Mediated Communication (F,W) 3 (3-0)**

This course focuses on the process of oral communication beginning with purpose, ethics, audience and culture, and the stages of planning, delivering and evaluating various types of professional and real world speeches/presentations through the media/digital world such as, but not limited to Skype, Prezi and YouTube.com. Emphasis is placed on developing the student's abilities in organization, presentation and presence. Specific activities the student will be evaluated on include text over selected chapters, written outlines, use of technology to communicate professionally, visual aids and recorded speeches (informative and persuasive) made in front of an audience.

**SPE 11400 Intro to Interpersonal/Public Comm (F,W,S) 3 (3-0)**

Introduction to Interpersonal and Public Communication is a course aimed at understanding and applying communication theory. Communication skills will be developed through small group activities, public speaking, and personal assessment assignments. (Communication)

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## SUR (SURGICAL TECHNOLOGY)

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<b>SUR 10000</b>	<b>Fundamentals of Surgical Technology</b>	<b>(F)</b>	<b>3 (3-0)</b>
<p>This course introduces the role of the surgical technologist as well as the procedures, skills, and protocol to work in the operating room environment. Prerequisite: acceptance into the surgical technology program. Co-requisites: SUR-10300, SUR-10400, SUR-10700, SUR-10800 &amp; SUR-10900.</p>			
<b>SUR 10300</b>	<b>Surgical Pharmacology</b>	<b>(F)</b>	<b>2 (2-0)</b>
<p>This course provides knowledge related to different types of anesthesia and their indications as well as their contraindications. The student will learn mathematical calculations as well as the commonly used medications for the surgical patient. Co-requisites: SUR-10000, SUR-10400, SUR-10700, SUR-10800 &amp; SUR-10900.</p>			
<b>SUR 10400</b>	<b>Basic Operative Procedures</b>	<b>(F)</b>	<b>2 (2-0)</b>
<p>The student will learn the basic types of surgical procedures with an emphasis on maintaining sterile technique. With these procedures the anatomy, physiology and pathophysiology will be reviewed. Co-requisites: SUR-10000, SUR-10300, SUR-10700, SUR-10800 &amp; SUR-10900.</p>			
<b>SUR 10700</b>	<b>Fundamental Surgical Techniques</b>	<b>(F)</b>	<b>5 (0-10)</b>
<p>This course will apply theory to practice with mock surgical procedures and simulation with principles, protocols and skills learned in Fundamentals of Surgical Technology. Co-requisites: SUR-10000, SUR-10300, SUR-10400, SUR-10800 &amp; SUR-10900.</p>			
<b>SUR 10800</b>	<b>Surgical Terminology</b>	<b>(F)</b>	<b>2</b>
<p>This course will cover medical words relating to each body system and terminology necessary for communication in a medical setting. Co-requisites: SUR-10000, SUR-10300, SUR-10400, SUR-10700 &amp; SUR-10900.</p>			
<b>SUR 10900</b>	<b>Surgical Pathophysiology</b>	<b>(F)</b>	<b>2</b>
<p>This course will cover each body system as a unit and its related pathological conditions. Relevant anatomy will also be discussed as well as surgically treatable diseases and disorders specific to each body system. Co-requisites: SUR-10000, SUR-10300, SUR-10400, SUR-10700 &amp; SUR-10800.</p>			
<b>SUR 20001</b>	<b>Advanced Surgical Procedures</b>	<b>(W)</b>	<b>2</b>
<p>This course advances the student's knowledge and skills with more complex and advanced surgical procedures focusing on the sequential aspect of the procedure with specialized instrumentation. Prerequisites: SUR-10000, SUR-10300, SUR-10400, SUR-10700, SUR-10800 &amp; SUR-10900. Co-requisites: SUR-20300, SUR-20400 &amp; SUR-29900.</p>			
<b>SUR 20300</b>	<b>Surgical Professional Practice</b>	<b>(W)</b>	<b>2 (2-0)</b>
<p>This course provides knowledge related to preparation for the national certification exam. Emphasis on professional practice responsibilities is reviewed. Prerequisites: SUR-10000, SUR-10100, SUR-10300, SUR-10400, SUR-10700, SUR-10800 and SUR-10900. Co-requisites: SUR-20001, SUR-20400 &amp; SUR-29901.</p>			
<b>SUR 20400</b>	<b>Integrated Surgical Sciences</b>	<b>(W)</b>	<b>2 (2-0)</b>
<p>This course will help the student to acquire knowledge about microorganism and their relations to the surgical field. Biomedical Sciences will also be discussed including lasers, electricity, computers and robotics as they relate to surgery. Prerequisites: SUR-10000, SUR-10300, SUR-10400, SUR-10700, SUR-10800 &amp; SUR-10900. Co-requisites: SUR-20001, SUR-20300 &amp; SUR-29901.</p>			
<b>SUR 29901</b>	<b>Surgical Technology Internship</b>	<b>(W)</b>	<b>12 (1-32)</b>
<p>This course provides application of theory in the clinical environment of a hospital with the application of skills in basic and advanced surgical procedures while incorporating the biomedical resources in surgical specialty areas. This course will require a minimum of 32 hours a week in the clinical environment with a 1 hour per week surgical seminar in the classroom. Prerequisites: SUR-10000, SUR-10300, SUR-10400, SUR-10700, SUR-10800 &amp; SUR-10900. Co-requisites: SUR-20001, SUR-20300 &amp; SUR-20400.</p>			

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## THE (THEATRE)

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**THE 12000 Intro to Theatre**

(W)

**3 (3-0)**

This course is a survey of the evolution of world theatre forms, from the cave drawings of prehistoric man to the most recent shows on the Broadway stage. Classroom discussions will cover the major producers, playwrights, performers, directors, and designers of each era covered, as well as the body of literature that has come to represent that era. Classroom sessions will be augmented by readings from these periods. (Humanities Credit)

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## WLD (WELDING)

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<b>WLD 10401</b>	<b>Material Science</b>	<b>(F,W)</b>	<b>4 (2-4)</b>
The student will learn the various safety rules of the Material Science Lab, the operation of the mechanical equipment, the steel-making process, failure and deformation of metal, material properties, set-up, operation, and shutting down the wet saw cutting equipment, cutting and mounting specimens, heating and quenching materials, and performing tensile tests and calculations. Prerequisite or co-requisite: WLD-11000			
<b>WLD 10501</b>	<b>Welding Fabrication Level 1</b>	<b>(F,W)</b>	<b>3 (1-3)</b>
The student will learn the various safety rules of the Welding/Fabrication Lab, operation of mechanical equipment, operation of ironworker to punch holes, form metal, and shear metal. Operation of radial arm drill press to drill and tap holes, operation of the manual press brake to form metal, operation of the small manual roller to form thin gauge metal, operation of the horizontal and vertical band saw to cut. Prerequisite or co-requisite: WLD-11000.			
<b>WLD 11000</b>	<b>Welding Fundamentals</b>	<b>(F,W,S)</b>	<b>4 (2-4)</b>
This course will teach the skills necessary to weld, braze and cut metal using oxygen and acetylene. Other cutting processes such as Plasma Arc Cutting and Carbon Arc Gouging will also be learned. Students will learn how to weld using the Shielded Metal Arc Welding, Gas Metal Arc Welding and Flux Core welding processes.			
<b>WLD 11101</b>	<b>GMAW, FCAW &amp; SMAW x-Block</b>	<b>(F,W,S)</b>	<b>1</b>
Safety rules and mechanical equipment in the Welding Fabrication Lab. G.M.A.W., F.C.A.W, and S.M.A.W. welding in the flat position on an x-block. Prerequisite or co-requisite: WLD-11000.			
<b>WLD 11102</b>	<b>GMAW, FCAW &amp; SMAW-Horizontal</b>	<b>(F,W,S)</b>	<b>1</b>
G.M.A.W., F.C.A.W., and S.M.A.W. welding in the horizontal position. Prerequisite: WLD-11101.			
<b>WLD 11103</b>	<b>GMAW, FCAW &amp; SMAW-Vertical</b>	<b>(F,W,S)</b>	<b>1</b>
G.M.A.W., F.C.A.W., and S.M.A.W. welding in the vertical position. Prerequisite or co-requisite: WLD-11102.			
<b>WLD 11104</b>	<b>GMAW, FCAW &amp; SMAW-Overhead</b>	<b>(F,W,S)</b>	<b>1</b>
G.M.A.W., F.C.A.W. and S.M.A.W. welding in the overhead position. Prerequisite or co-requisite: WLD-11103.			
<b>WLD 11105</b>	<b>WPQR Test-SMAW</b>	<b>(F,W,S)</b>	<b>1</b>
Completing an AWS, WPQR Qualification Test using S.M.A.W. Prerequisite or co-requisite: WLD-11104.			
<b>WLD 11201</b>	<b>GMAW-Constant Voltage</b>	<b>(F,W,S)</b>	<b>1</b>
Safety and mechanical equipment in the Welding Fabrication Lab. G.M.A.W. in the flat position using 0.045 wire and G.M.A.W. in the Vertical Down position using 0.045 wire. Prerequisite or co-requisite: WLD-11105.			
<b>WLD 11202</b>	<b>GMAW-Spray</b>	<b>(F,W,S)</b>	<b>1</b>
G.M.A.W.-Spray in the flat and horizontal position on steel and stainless steel and G.M.A.W. in the flat and horizontal position using metal core wire. Prerequisite or co-requisite: WLD-11201.			
<b>WLD 11203</b>	<b>GMAW-Pulse</b>	<b>(F,W,S)</b>	<b>1</b>
G.M.A.W.-Pulse in the flat and horizontal position on steel, stainless steel and aluminum. Prerequisite or co-requisite: WLD-11202.			
<b>WLD 11204</b>	<b>GMAW-Aluminum</b>	<b>(F,W,S)</b>	<b>1</b>
G.M.A.W -- C.V. and Pulse in the flat and horizontal position on aluminum. Prerequisite or co-requisite: WLD-11203.			
<b>WLD 11205</b>	<b>WPQR Test-GMAW</b>	<b>(F,W,S)</b>	<b>1</b>
Complete an AWS-WQPR Welder Qualification Test. Prerequisite or co-requisite: WLD-11204.			
<b>WLD 11300</b>	<b>Non-Destructive Testing</b>	<b>(F,W)</b>	<b>3 (2-2)</b>
This course will teach the skills necessary to perform visual, dye penetrant, magnetic particle inspection and effy current testing on welds. Prerequisite or co-requisite: WLD-11000.			



<b>WLD 11400</b>	<b>Fabrication Blueprint Reading</b>	<b>(F,W)</b>	<b>1 (1-0)</b>
This course will teach the basics of reading and interpreting fabrication blueprints. This course will also teach how to create simple and intermediate fabrication blueprints. Prerequisite or co-requisite: WLD-11000.			
<b>WLD 21201</b>	<b>GTAW-Flat</b>	<b>(F,W,S)</b>	<b>1</b>
Safety rules and operation of the mechanical equipment in the Welding Fabrication Lab. Set-up, operation and shutting down of the G.T.A.W. equipment. G.T.A.W. in the flat position on steel, stainless steel and aluminum. Prerequisite or co-requisite: WLD-11205.			
<b>WLD 21202</b>	<b>GTAW-Horizontal</b>	<b>(F,W,S)</b>	<b>1</b>
G.T.A.W. in the horizontal position on steel, stainless steel and aluminum. Prerequisite or co-requisite: WLD-21201.			
<b>WLD 21203</b>	<b>GTAW-Vertical</b>	<b>(F,W,S)</b>	<b>1</b>
G.T.A.W. in the vertical position on steel, stainless steel and aluminum. Prerequisite or co-requisite: WLD-21202.			
<b>WLD 21204</b>	<b>GTAW-Overhead</b>	<b>(F,W,S)</b>	<b>1</b>
G.T.A.W. in the overhead position on steel, stainless steel and aluminum. Prerequisite or co-requisite: WLD-21203.			
<b>WLD 21205</b>	<b>WPQR Test-GTAW</b>	<b>(F,W,S)</b>	<b>1</b>
Complete an AWS WPQR Welder Qualification Test using G.T.A.W. Prerequisite or co-requisite: WLD-21204.			
<b>WLD 21301</b>	<b>Flat &amp; Horizontal Pipe Welding</b>	<b>(F,W,S)</b>	<b>1</b>
Safety rules and operation of the mechanical equipment in the Welding Fabrication Lab, set-up and operation of the pipe beveler and welding pipe with G.M.A.W., S.M.A.W., & G.T.A.W. in 1GR, 2G positions on steel pipe. Prerequisite or co-requisite: WLD-21205.			
<b>WLD 21302</b>	<b>5G-Up Pipe Welding</b>	<b>(F,W,S)</b>	<b>1</b>
Welding pipe with G.M.A.W., S.M.A.W. & G.T.A.W. in 5G-up position on steel pipe. Prerequisite or co-requisite: WLD-21301.			
<b>WLD 21303</b>	<b>5G-Down Pipe Welding</b>	<b>(F,W,S)</b>	<b>1</b>
Welding pipe with G.M.A.W., S.M.A.W. & G.T.A.W. in 5G-down position on steel pipe. Prerequisite or co-requisite: WLD-21302.			
<b>WLD 21304</b>	<b>6G-Up Pipe Welding</b>	<b>(F,W,S)</b>	<b>1</b>
Welding pipe with G.M.A.W., S.M.A.W. & G.T.A.W. in 6G-up position on steel pipe. Prerequisite or co-requisite: WLD-21303.			
<b>WLD 21305</b>	<b>Pipe Fitting</b>	<b>(F,W,S)</b>	<b>1 (0.5-1)</b>
Students will learn how to use pipe fitting techniques in conformance with current welding codes. Students will learn how to cut, prepare, bevel, tack, level pipe fittings and connections in a variety of configurations.			
<b>WLD 21400</b>	<b>Welder Qualification Testing</b>	<b>(F,W,S)</b>	<b>4 (2-4)</b>
This course will teach the skills necessary to weld and test to AWS standards. This course includes developing and qualifying by testing, 6 welding procedure specifications and corresponding procedure qualification records and welder performance qualification records.			
<b>WLD 21501</b>	<b>Welding Fabrication Level 2</b>	<b>(F,W)</b>	<b>5 (2-5)</b>
The student will use various fabrication techniques and apply them to intermediate and advanced fabrication projects. Prerequisites: WLD-10501 and WLD-11000. Co-requisite: WLD-11101.			
<b>WLD 29900</b>	<b>Welding Internship</b>	<b>(F,W,S)</b>	<b>3</b>
This course will teach real world fabricating, welding, and/or non-destructive testing techniques with the student working in a manufacturing environment. Prerequisite: WLD-21205.			

# **Supplement B2**

# **Not Applicable**

# Supplement B3

**Course Search Feature Available Online At:**

[https://my.kirtland.edu/ics/Academics/Academics\\_Homepage.inz?portlet=Course\\_Schedules&screen=Advanced+Course+Search&screenType=next](https://my.kirtland.edu/ics/Academics/Academics_Homepage.inz?portlet=Course_Schedules&screen=Advanced+Course+Search&screenType=next)

**Location Legend for Fall 2016, Winter 2017 and Summer 2017 Schedules**

<b>Color</b>	<b>Location</b>
Gray	Kirtland - Grayling
Light Green	Kirtland - Gaylord
Light Blue	Kirtland - Online
Purple	Kirtland - Roscommon
Yellow	Kirtland - West Branch
Light Red	Clinical Location Site - To Be Announced
Other Colors	High School or Regional Educational Service Agency Location

# CAT Student Enrollment and Profile Report

## 2016-2017 - Fall Semester

**Headcount:** 1,570  
**Online Headcount:** 677  
**Total Credit Hours:** 13,175.00  
**Online Credit hours:** 3,992.00  
**Tuition hours:** 16,157.35  
**Contact hours:** 265,065.00

### Age Distribution:

24 and under:	965	61.46%
25 to 39:	419	26.69%
40 to 59:	151	9.62%
60 and over:	35	2.23%
Unknown:	0	.00%

### Credit Hour Load:

Non-credit	73	4.65%
>0 - 5.99	361	22.99%
6 - 8.99	399	25.41%
9 - 11.99	233	14.84%
>= 12	504	32.10%

### Student Status:

FTIAC	58	3.70%
Returning	1398	89.10%
New Transfer	31	1.98%
New Guest	6	.38%
New 8th Grade	0	.00%
New Dual Enrollment	35	2.23%
New Non Credit	41	2.61%
New CJ InService	0	.00%

### Gender:

Male:	619	39.43%
Female:	951	60.57%

### Breakdown by Subject Area (includes Concurrent):

Subject	Seatcount	Tuition Hours
ACC	61	240.00
ALH	100	242.00
ART	132	481.00
AST	25	67.00
AUT	106	521.00
BIO	315	1561.00
BUS	88	264.00
CEC	39	0
CHE	45	177.00
CIS	52	156.00
CJS	158	1028.00
COR	124	77.49
COS	107	428.00
ECO	41	123.00
EDT	35	140.00
ELT	164	154.90
EMS	30	212.25
ENG	426	1300.00
FIN	9	27.00
GEL	21	105.00
GEO	23	92.00
HIS	50	150.00
HIT	96	434.00
HUM	60	180.00
HVC	123	99.28
MEC	74	228.15
MKT	48	144.00
MPT	16	76.00
MTH	345	1380.00
MUS	41	123.00
NUR	243	2214.00
OIS	22	66.00
PHB	12	138.00
PHL	11	33.00
PHM	11	154.00
PLB	5	3.28
POL	84	252.00
PSY	185	555.00
SOC	66	198.00
SON	130	698.00
SPE	119	357.00
SUR	105	372.00
WFD	39	0
WLD	319	906.00

**Totals: 4305 16157.35**

### Concurrent Enrollment - Section 40 by Subject

Subject	Seatcount	Tuition Hours
ALH	12	24.00
AUT	15	75.00
CJS	18	54.00
COR	45	27.45
COS	15	60.00
ENG	32	96.00
WLD	12	72.00

**Totals: 149 408.45**



2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Accounting</b>											
ACC 1210060	4.00 64.00	Accounting Principles I	ACC 1210060								
Jason M Broge			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
ACC 1210061	4.00 64.00	Accounting Principles I	ACC 1210061								
Jason M Broge			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
ACC 1210080 W	4.00 64.00	Accounting Principles I	ACC 1210080 W								
Jane E Lange		R	06:00 PM	08:00 PM	08/22/2016	12/10/2016	WB	WBRAN	104		
Jane E Lange			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
HYBRID Also meets 2 Hours online each week											
ACC 1220060	4.00 64.00	Accounting Principles II	ACC 1220060								
Jane E Lange			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
ACC 2050060	3.00 48.00	Cost Accounting	ACC 2050060								
Jason M Broge			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Independent Study											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Allied Health</b>												
ALH 1010140	2.00 32.00	Medical Terminology	ALH 1010140									
Colleen Mary Mick				TR	01:00 PM	06:00 PM	09/06/2016	12/16/2016	CENT	CLC		
ALH 1010160	2.00 32.00	Medical Terminology	ALH 1010160									
Cristina Marie Eames					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
ALH 1010161	2.00 32.00	Medical Terminology	ALH 1010161									
Cristina Marie Eames					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
ALH 1030000	0.25 4.00	Professional CPR	ALH 1030000									
Julie Ann McClure				T	09:00 AM	12:59 PM	08/09/2016	08/09/2016	CENT	INS	213	
ALH 1030000 G	0.25 4.00	CANCELED Professional CPR	ALH 1030000 G									
Julie Ann McClure				T	09:00 AM	12:59 PM	08/09/2016	08/09/2016	GRAY	HSC	1431	
ALH 1040000 G	6.00 120.00	Nursing Assistant	ALH 1040000 G									
Ruby Anne Katterman				F	08:00 AM	02:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1408	
Ruby Anne Katterman					00:00 AM	00:00 AM	08/22/2016	12/10/2016	TBA			
		4 Saturday Clinical Dates - TBA										
ALH 1080160	3.00 48.00	Pathology w/Pharmacology	ALH 1080160									
Rhonda R Howard					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
ALH 1130060	3.00 48.00	Medical Ethics & Law	ALH 1130060									
Deborah A Bebow					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										



2016-2017 Fall Semester

Course	Credits	Title	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
<b>Art</b>											
ART 1000000	3.00 48.00	Art History I									
Scott T Rice			MW	04:00 PM	05:29 PM	08/22/2016	12/10/2016	CENT	ART	117	
ART 1050000	3.00 64.00	Intro to Design									
Scott T Rice			MW	10:00 AM	11:59 AM	08/22/2016	12/10/2016	CENT	ART	117	
ART 1060000	3.00 64.00	Fund of Drawing I									
Scott T Rice			MW	12:00 PM	01:59 PM	08/22/2016	12/10/2016	CENT	ART	121	
ART 1070000	3.00 64.00	Painting I									
Scott T Rice			TR	08:00 AM	09:59 AM	08/22/2016	12/10/2016	CENT	ART	105	
ART 1140000	3.00 64.00	<b>CANCELED Sculpture I</b>									
Carrie Mae Gregg			TR	02:00 PM	03:59 PM	08/22/2016	12/10/2016	CENT	ART	114	
ART 1150000	3.00 64.00	Photography I									
Scott T Rice			TR	12:00 PM	01:59 PM	08/22/2016	12/10/2016	CENT	ART	117	
ART 1170060	3.00 48.00	Art Appreciation									
Carrie Mae Gregg				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course									
ART 1900000	3.00 64.00	Digital Communications									
Michael J Williams			MW	02:00 PM	03:59 PM	08/22/2016	12/10/2016	CENT	ART	117	
		Independent Study									
ART 2060020	3.00 64.00	Drawing II									
Scott T Rice				00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	ART	121	
		Fall Open Studio TR	10:00-12:00noon								

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Art</b>													
ART 2070020	3.00 64.00	Painting II	ART 2070020										
Scott T Rice					00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	ART	105		
Fall Open Studio TR		10:00-12:00noon											
ART 2110020	3.00 64.00	3-Dimensional Design	ART 2110020										
Scott T Rice					00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	ART	114		
Fall Open Studio TR		2:00-4:00pm											
ART 2500020	3.00 64.00	Illustration I	ART 2500020										
Scott T Rice					00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	ART	121		
Fall Open Studio MW		2:00-4:00pm											
ART 2753120	3.00 64.00	Rendering I	ART 2753120										
Scott T Rice					00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	ART	121		
Fall Open Studio MW		2:00-4:00pm											
ART 2753220	3.00 64.00	Photo Studio Problems	ART 2753220										
Scott T Rice					00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	ART			
ART 2754560	3.00 64.00	Computer Generated Images I	ART 2754560										
Michael J Williams					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course													
ART 2755020	3.00 64.00	Digital Darkroom	ART 2755020										
Scott T Rice					00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	ART			
ART 2757160	3.00 64.00	<b>CANCELED Computer Animation</b>	ART 2757160										
TBA					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course													
ART 2760620	3.00 64.00	Digital Darkroom II	ART 2760620										
Scott T Rice					00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	ART			

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Art</b>											
ART 2800020	3.00	Portfolio I	ART 2800020								
Scott T Rice	64.00		00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	ART	121		
	Fall Open Studio	TR	2:00-4:00pm								

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Astronomy</u></b>													
AST 1020000	G 3.00 48.00	CANCELED Exploration of Astrol	AST 1020000	G									
Scott E Cochran		T	04:30 PM	07:30 PM	08/22/2016	12/10/2016	GRAY	HSC	2016				
AST 1020060	3.00 48.00	Exploration of Astronomy	AST 1020060										
Andrew Vandenheuvel			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN						
		Online Course											
AST 1030000	G 1.00 32.00	CANCELED Observational Astrol	AST 1030000	G									
Scott E Cochran		R	04:30 PM	06:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2016				
AST 1030060	1.00 32.00	Observational Astronomy	AST 1030060										
Andrew Vandenheuvel			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN						
		Online Course											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Automotive</b>													
AUT 1630200	4.00 80.00	Automotive Fundamentals	AUT 1630200										
Robert E Oakes					MW	12:00 PM	02:29 PM	08/22/2016	12/10/2016	CENT	CTC	100	
AUT 1630240	4.00 80.00	Automotive Fundamentals	AUT 1630240										
Jeremy Wayne Akin					TR	01:00 PM	05:59 PM	09/06/2016	12/16/2016	CENT	CTC	102	
AUT 1630241	4.00 80.00	Automotive Fundamentals	AUT 1630241										
Jay Young						00:00 AM	00:00 AM	09/06/2016	12/16/2016	IRESA			
AUT 1640100	3.00 64.00	Basic Electricity	AUT 1640100										
Jeremy Wayne Akin					MW	03:00 PM	04:59 PM	08/22/2016	12/10/2016	CENT	CTC	102	
AUT 1770300	4.00 96.00	Automotive Braking Systems	AUT 1770300										
Jeremy Wayne Akin					MW	05:30 PM	08:30 PM	08/22/2016	12/10/2016	CENT	CTC	100	
AUT 2040200	2.00 32.00	Intro to Auto Service Managemer	AUT 2040200										
Robert E Oakes					W	08:00 AM	10:59 AM	08/22/2016	11/02/2016	CENT	CTC	100	
AUT 2180000	4.00 96.00	Automatic Transmissions	AUT 2180000										
Robert E Oakes					TR	12:30 PM	03:29 PM	08/22/2016	12/10/2016	CENT	CTC	100	
AUT 2650000	4.00 96.00	Steering Suspension & Alignmen	AUT 2650000										
Dean Duane VanWormer					TR	04:00 PM	07:00 PM	08/22/2016	12/10/2016	CENT	CTC	100	
AUT 2660100	4.00 96.00	Gas Engine Performance/Diagno	AUT 2660100										
Robert E Oakes					TR	08:30 AM	11:29 AM	08/22/2016	12/10/2016	CENT	CTC	102	

2016-2017 Fall Semester

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date				
<b>Automotive</b>										
AUT 2990000	5.00	ON HOLD Automotive Internship			AUT 2990000					
	80.00									
Robert E Oakes			00:00 AM	00:00 AM	08/22/2016	12/10/2016		TBA		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Biology</b>												
BIO 1010000	G 4.00 80.00	General Biology	BIO 1010000									
Amy M Kuczynski		MW		03:00 PM	05:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2019		
BIO 1010001	G 4.00 80.00	General Biology	BIO 1010001									
Pamela Nuttall		TR		11:30 AM	01:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2019		
BIO 1010050	4.00 80.00	General Biology	BIO 1010050									
Amy M Kuczynski		T		08:00 AM	11:00 AM	09/06/2016	12/16/2016	IRESA				
BIO 1010051	4.00 80.00	General Biology	BIO 1010051									
Amy M Kuczynski		T		12:00 PM	03:00 PM	09/06/2016	12/16/2016	OSCOD				
BIO 1070000	G 4.00 80.00	Essentials of Anatomy & Physiolo	BIO 1070000									
Jeff Burke		MW		11:30 AM	01:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2019		
BIO 1070060	4.00 80.00	Essentials of Anatomy & Physiolo	BIO 1070060									
Amy M Kuczynski				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course												
BIO 1070061	4.00 80.00	Essentials of Anatomy & Physiolo	BIO 1070061									
Scott A McAlindon				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course												
BIO 2000060	3.00 48.00	Fundamentals of Nutrition	BIO 2000060									
Julie Ann Lavender				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Independent Study												
BIO 2500000	G 4.00 80.00	Human Anatomy	BIO 2500000									
Jeff Burke		MW		09:00 AM	11:29 AM	08/22/2016	12/10/2016	GRAY	HSC	2015		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Biology</b>											
BIO 2500001	G 4.00 80.00	Human Anatomy		BIO 2500001	G						
Jeff Burke		MW	06:00 PM	08:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2015		
BIO 2500002	G 4.00 80.00	Human Anatomy		BIO 2500002	G						
David C Green		TR	12:00 PM	02:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2015		
BIO 2500060	4.00 80.00	Human Anatomy		BIO 2500060							
David C Green			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									
BIO 2500061	4.00 80.00	Human Anatomy		BIO 2500061							
Scott A McAlindon			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									
BIO 2500062	4.00 80.00	CANCELED Human Anatomy		BIO 2500062							
Scott A McAlindon			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									
BIO 2510000	G 4.00 80.00	Human Physiology		BIO 2510000	G						
James Alan Krellwitz		MW	12:00 PM	02:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2015		
BIO 2510001	G 4.00 80.00	Human Physiology		BIO 2510001	G						
James Alan Krellwitz		MW	03:00 PM	05:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2015		
BIO 2510002	G 4.00 80.00	Human Physiology		BIO 2510002	G						
David C Green		TR	03:00 PM	05:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2015		
BIO 2510060	4.00 80.00	Human Physiology		BIO 2510060							
David C Green			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									



2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Biology</b>											
BIO 2510061	4.00 80.00	Human Physiology			BIO 2510061						
David C Green			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									
BIO 2510062	4.00 80.00	ON HOLD Human Physiology			BIO 2510062						
TBA			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Business</b>											
BUS 1010060	3.00 48.00	Intro to Business	BUS 1010060								
Jane E Lange			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
BUS 1010061	3.00 48.00	Intro to Business	BUS 1010061								
Sarah Lynn Medler			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
BUS 1010080 W	3.00 48.00	Intro to Business	BUS 1010080 W								
Jane E Lange		T	03:30 PM	05:29 PM	08/22/2016	12/10/2016	WB	WBRAN	104		
Jane E Lange			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
HYBRID Also meets one hour online each week											
BUS 1070060	3.00 48.00	Entrepreneurship	BUS 1070060								
Jane E Lange			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Independent Study											
BUS 1070080 W	3.00 48.00	<b>CANCELED Entrepreneurship</b>	BUS 1070080 W								
Jane E Lange		W	06:00 PM	08:00 PM	08/22/2016	12/10/2016	WB	WBRAN	104		
Jane E Lange			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
HYBRID Also meets one hour online each week											
BUS 2100060	3.00 48.00	Principles of Management	BUS 2100060								
Eleonor Moore			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
BUS 2100080 W	3.00 48.00	<b>CANCELED Principles of Manag</b>	BUS 2100080 W								
Eleonor Moore		T	06:00 PM	08:00 PM	08/22/2016	12/10/2016	WB	WBRAN	104		
Eleonor Moore			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
HYBRID Also meets one hour online each week											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Business</b>													
BUS 2150060	3.00 48.00	Business Law	BUS 2150060										
Matthew R Bradley					00:00 AM	00:00 AM	08/22/2016	12/10/2016		ONLIN			
Online Course													
BUS 2450060	3.00 48.00	Human Resource Management	BUS 2450060										
Erine Kaye Adams					00:00 AM	00:00 AM	08/22/2016	12/10/2016		ONLIN			
Independent Study													
BUS 2990000	3.00 48.00	Internship in Business & Marketir	BUS 2990000										
Erine Kaye Adams					00:00 AM	00:00 AM	08/22/2016	12/10/2016		TBA			
Independent Study													

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Capstone</b>													
CAP 2990100	M	1.00	Internship/Service Learning	CAP 2990100	M								
Alan A Mabarak	24.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
CAP 2990200	M	2.00	Internship/Service Learning	CAP 2990200	M								
Alan A Mabarak	48.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
CAP 2990300	M	3.00	Internship/Service Learning	CAP 2990300	M								
Alan A Mabarak	72.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
CAP 2990400	M	4.00	Internship/Service Learning	CAP 2990400	M								
Alan A Mabarak	96.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Cont Education - Non-Cr</b>											
CEC 1171400	0.00 4.00	CANCELED - Professional CPR	CEC 1171400								
Julie Ann McClure		W	12:00 PM	04:00 PM	08/10/2016	08/10/2016	CENT	INS	213		
CEC 1171400 G	0.00 4.00	CANCELED Professional CPR	CEC 1171400 G								
Julie Ann McClure		W	12:00 PM	04:00 PM	08/10/2016	08/10/2016	GRAY	HSC	1431		
CEC 1171511 G	0.00 3.00	CPR	CEC 1171511 G								
Joseph Rubino		M	06:00 PM	09:00 PM	11/14/2016	11/14/2016	GRAY	HSC	1406		
CEC 1171512 G	0.00 3.00	CPR	CEC 1171512 G								
Joseph Rubino		M	06:00 PM	09:00 PM	12/12/2016	12/12/2016	GRAY	HSC	1406		
CEC 1212300	0.00 8.00	Online QuickBooks for Beginners	CEC 1212300								
Clay Horton			06:00 PM	08:00 PM	09/07/2016	09/28/2016	ROSC				
CEC 1220700	0.00 9.00	Microsoft Excel	CEC 1220700								
Clay Horton			06:00 PM	09:00 PM	12/01/2016	12/15/2016	ROSC				
CEC 1223700	0.00 18.00	Computers w/Windows 10 for Ad	CEC 1223700								
Clay Horton			06:00 PM	09:00 PM	09/08/2016	10/13/2016	ROSC				
CEC 1240000	0.00 12.00	Home Safety Firearms	CEC 1240000								
Thomas Grace		FS	00:00 AM	00:00 AM	10/07/2016	10/08/2016	CENT	ADM	133		

2016-2017 Fall Semester

Course	Credits	Title	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
<b>Chemistry</b>											
CHE 1000000 G	4.00 80.00	Chemical Science									
Anne M Hauser			TR	09:00 AM	10:29 AM	08/22/2016	12/10/2016	GRAY	HSC	2016	
Anne M Hauser			T	11:00 AM	12:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2016	
CHE 1010100 G	4.00 64.00	Gen Chemistry I									
Anne M Hauser			MW	01:00 PM	02:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2016	
CHE 1010200 G	1.00 48.00	Gen Chemistry Lab I									
Anne M Hauser			M	03:00 PM	05:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2016	
CHE 1040000 G	4.00 80.00	CANCELED-Chem for Health Sci									
Anne M Hauser			MW	09:00 AM	11:29 AM	08/22/2016	12/10/2016	GRAY	HSC	2016	

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Computer Information Systems</b>												
CIS 1050060	3.00 48.00	Intro to Computers	CIS 1050060									
Donald E Wray					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
CIS 1050061	3.00 48.00	Intro to Computers	CIS 1050061									
Donald E Wray					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
CIS 1050062	3.00 48.00	ON HOLD Intro to Computers	CIS 1050062									
TBA					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
CIS 1970060	3.00 48.00	OS Certification	CIS 1970060									
Donald E Wray					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Independent Study										
CIS 2100000	3.00 48.00	Internet & Web Page Developme	CIS 2100000									
Winifred Leah Sharpe				T	06:00 PM	09:00 PM	08/22/2016	12/10/2016	CENT	ADM	205	
		Independent Study										
CIS 2150060	3.00 48.00	CANCELED Web Animation & Mi	CIS 2150060									
TBA					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Independent Study										
CIS 2450060	3.00 48.00	Project Management	CIS 2450060									
Erine Kaye Adams					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Independent Study										
CIS 2650060	3.00 48.00	Networking II	CIS 2650060									
Matthew M Biermann					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Independent Study										

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Computer Information S</b>													
CIS 2700160	3.00 48.00	Programming I	CIS 2700160										
Matthew M Biermann					00:00 AM	00:00 AM	08/22/2016	12/10/2016					ONLIN
Online Course													
					00:00 AM	00:00 AM	08/22/2016	12/10/2016					ONLIN
Live lecture online in virtual conf room		Wed 6-7:30pm											
CIS 2990000	3.00 48.00	Internship/Computer Information	CIS 2990000										
Erine Kaye Adams					00:00 AM	00:00 AM	08/22/2016	12/10/2016					TBA
Independent Study													



2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Criminal Justice</b>													
CJS 1000000	3.00 48.00	Intro to Criminal Justice	CJS 1000000										
Duane Ward Bean		T	06:00 PM	09:00 PM	08/22/2016	12/10/2016	CENT	ADM	251-2				
CJS 1000040	3.00 48.00	Intro to Criminal Justice	CJS 1000040										
Benjamin Michael Lowe		TR	01:00 PM	05:59 PM	09/06/2016	12/16/2016	CENT	CLC					
CJS 1020000	3.00 64.00	Physical Training I	CJS 1020000										
Lloyd Glenn Gutierrez		TR	05:00 PM	06:59 PM	08/22/2016	12/10/2016	CENT	ADM	114				
CJS 1100000	1.00 16.00	Careers in Emergency Services	CJS 1100000										
Duane Ward Bean		T	05:00 PM	05:59 PM	08/22/2016	12/10/2016	CENT	ADM	206				
CJS 1130000	1.00 32.00	Intro to Fitness Training	CJS 1130000										
Lloyd Glenn Gutierrez		TR	04:00 PM	04:59 PM	08/22/2016	12/10/2016	CENT	ADM	114				
CJS 1140000	3.00 48.00	Juvenile Justice	CJS 1140000										
LaDonna A Schultz		M	06:00 PM	09:00 PM	08/22/2016	12/10/2016	CENT	ADM	105				
CJS 2110000	3.00 48.00	Narcotics Investigation	CJS 2110000										
Duane Ward Bean		R	06:00 PM	09:00 PM	08/22/2016	12/10/2016	CENT	ADM	204				
CJS 2660000	21.00 672.00	Police Academy	CJS 2660000										
Thomas Grace		MTWR	12:00 PM	09:30 PM	08/08/2016	12/02/2016	CENT	ADM	133				
Thomas Grace		F	08:00 AM	05:00 PM	08/08/2016	12/02/2016	CENT	ADM	133				

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Criminal Justice</u></b>											
CJS 2990000	3.00	Criminal Justice Internship			CJS 2990000						
	48.00										
Thomas Grace		R	02:00 PM	02:59 PM	08/22/2016	12/10/2016	CENT	ADM	204		
			00:00 AM	00:00 AM	08/22/2016	12/10/2016					
Meet first week for internship assignment											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Core Construction</b>												
COR 1000100	M	0.50 12.50	Basic Safety									
Alan A Mabarak			COR 1000100									
					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
COR 1000140		0.50 12.50	Basic Safety									
Walter Donald Duggar			COR 1000140	TR								
					00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111	
COR 1000150	M	0.50 12.50	Basic Safety									
Alan A Mabarak			COR 1000150									
					00:00 AM	00:00 AM	09/06/2016	12/16/2016	GAYL	MTEC		
					12:39pm-2:40pm		MTWR					
COR 1000200	M	0.40 10.00	Introduction to Construction Math									
Alan A Mabarak			COR 1000200									
					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
COR 1000240		0.40 10.00	Introduction to Construction Math									
Walter Donald Duggar			COR 1000240	TR								
					00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111	
COR 1000300	M	0.40 10.00	Introduction to Hand Tools									
Alan A Mabarak			COR 1000300									
					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
COR 1000340		0.40 10.00	Introduction to Hand Tools									
Walter Donald Duggar			COR 1000340	TR								
					00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111	
COR 1000350	M	0.40 10.00	Introduction to Hand Tools									
Alan A Mabarak			COR 1000350									
					00:00 AM	00:00 AM	09/06/2016	12/16/2016	GAYL	MTEC		
					12:39pm-2:40pm		MTWR					
COR 1000400	M	0.40 10.00	Introduction to Power Tools									
Alan A Mabarak			COR 1000400									
					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Core Construction</b>													
COR 1000440	0.40 10.00	Introduction to Power Tools	COR 1000440		TR	00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111	
Walter Donald Duggar													
COR 1000500 M	0.40 10.00	Intro to Construction Drawings	COR 1000500 M			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
Alan A Mabarak													
COR 1000540	0.40 10.00	Intro to Construction Drawings	COR 1000540		TR	00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111	
Walter Donald Duggar													
COR 1000550 M	0.40 10.00	Intro to Construction Drawings	COR 1000550 M			00:00 AM	00:00 AM	09/06/2016	12/16/2016	GAYL	MTEC		
Alan A Mabarak													
		12:39pm-2:40pm MTWR											
COR 1000600 M	0.60 15.00	Basic Rigging	COR 1000600 M			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
Alan A Mabarak													
COR 1000640	0.60 15.00	Basic Rigging	COR 1000640		TR	00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111	
Walter Donald Duggar													
COR 1000700 M	0.30 7.50	Basic Communication Skills	COR 1000700 M			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
Alan A Mabarak													
COR 1000740	0.30 7.50	Basic Communication Skills	COR 1000740		TR	00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111	
Walter Donald Duggar													
COR 1000800 M	0.30 7.50	Basic Employability Skills	COR 1000800 M			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
Alan A Mabarak													

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Core Construction</b>											
COR 1000840	0.30 7.50	Basic Employability Skills			COR 1000840						
Walter Donald Duggar		TR	00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111		
COR 1000900 M	0.20 5.00	Intro to Materials Handling			COR 1000900 M						
Alan A Mabarak			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC			
COR 1000940	0.20 5.00	Intro to Materials Handling			COR 1000940						
Walter Donald Duggar		TR	00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Cosmetology</b>													
COS 1210000	2.50 64.00	Cosmetology I	COS 1210000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
8:30-4:00pm MTWRF CTC-107													
COS 1210040	2.50 64.00	Cosmetology I	COS 1210040										
Robin Winton					TR	00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	107/8	
COS 1220000	2.50 64.00	Cosmetology II	COS 1220000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
8:30-4:00pm MTWRF CTC-107													
COS 1230000	2.50 64.00	Cosmetology III	COS 1230000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
8:30-4:00pm MTWRF CTC-107													
COS 1240000	2.50 64.00	Cosmetology IV	COS 1240000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
8:30-4:00pm MTWRF CTC-107													
COS 1250000	2.50 64.00	Cosmetology V	COS 1250000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
8:30-4:00pm MTWRF CTC-107													
COS 1260000	2.50 64.00	Cosmetology VI	COS 1260000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
8:30-4:00pm MTWRF CTC-107													
COS 1270000	2.50 64.00	Cosmetology VII	COS 1270000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
8:30-4:00pm MTWRF CTC-107													
COS 1280000	2.50 64.00	Cosmetology VIII	COS 1280000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
8:30-4:00pm MTWRF CTC-107													

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Cosmetology</b>													
COS 1290000	2.50 64.00	Cosmetology IX	COS 1290000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
COS 1300000	2.50 64.00	Cosmetology X	COS 1300000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
COS 1310000	2.50 64.00	Cosmetology XI	COS 1310000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
COS 1320000	2.50 64.00	Cosmetology XII	COS 1320000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
COS 1330000	2.50 64.00	Cosmetology XIII	COS 1330000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
COS 1340000	2.50 64.00	Cosmetology XIV	COS 1340000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
COS 1350000	2.50 64.00	Cosmetology XV	COS 1350000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
COS 1410000	2.50 64.00	Skin Care I	COS 1410000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
COS 1420000	2.50 64.00	Skin Care II	COS 1420000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Cosmetology</u></b>													
COS 1430000	2.50 64.00	Skin Care III	COS 1430000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF CTC-107											
COS 1440000	2.50 64.00	Skin Care IV	COS 1440000										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT	CTC	107/8	
		8:30-4:00pm MTWRF CTC-107											
COS 1750060	1.00 16.00	Salon Management	COS 1750060										
Shannon Weaver						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course											



2016-2017 Fall Semester

Course	Credits	Title	Parent Course									
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment		
<b>Economics</b>												
ECO 2010060	3.00 48.00	Prin of Economics-MACRO		ECO 2010060								
James Czarski			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN					
Online Course												
ECO 2010061	3.00 48.00	Prin of Economics-MACRO		ECO 2010061								
James Czarski			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN					
Online Course												
ECO 2010080 W	3.00 48.00	CANCELED Prin of Economics-N		ECO 2010080 W								
James Czarski			R	03:30 PM	05:29 PM	08/22/2016	12/10/2016	WB	WBRAN	101		
James Czarski			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN					
HYBRID Also meets one hour online each week												

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Engineering Design Tect</b>											
EDT 1100000 M	3.00 64.00	Detailing w/AutoCAD			EDT 1100000 M						
Gary B Sidebottom		M	05:00 PM	09:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	107B		
EDT 1100001 M	3.00 64.00	Detailing w/AutoCAD			EDT 1100001 M						
Gary B Sidebottom		M	12:00 PM	03:59 PM	08/22/2016	12/10/2016	GAYL	MTEC	107B		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 1010100	M	0.10 2.50	Orientation to the Electrical Trade	ELT 1010100	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1010200	M	0.40 10.00	Electrical Safety	ELT 1010200	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1010300	M	0.30 7.50	Introduction to Electrical Circuits	ELT 1010300	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1010400	M	0.30 7.50	Electrical Theory	ELT 1010400	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1010500	M	0.30 7.50	Intro to the NEC	ELT 1010500	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1010600	M	0.40 10.00	Device Boxes	ELT 1010600	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1010700	M	0.40 10.00	Hand Bending	ELT 1010700	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1010800	M	0.80 20.00	Raceways and Fittings	ELT 1010800	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1010900	M	0.40 10.00	Conductors and Cables	ELT 1010900	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 1011000	M	0.30	Basic ELT Construction Drawings	ELT 1011000	M								
Alan A Mabarak		7.50				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1011100	M	0.60	Residential Electric Services	ELT 1011100	M								
Alan A Mabarak		15.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1011200	M	0.20	Electrical Test Equipment	ELT 1011200	M								
Alan A Mabarak		5.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1020200	M	0.70	Alternating Current	ELT 1020200	M								
Alan A Mabarak		17.50				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1020300	M	0.80	Motors: Theory and Application	ELT 1020300	M								
Alan A Mabarak		20.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1020400	M	0.60	Electrical Lighting	ELT 1020400	M								
Alan A Mabarak		15.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1020500	M	0.60	Conduit Bending	ELT 1020500	M								
Alan A Mabarak		15.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1020600	M	0.50	Pull and Junction Boxes	ELT 1020600	M								
Alan A Mabarak		12.50				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1020700	M	0.40	Conductor Installations	ELT 1020700	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Electrical Technology</b>												
ELT 1020800	M 0.30 7.50	Cable Tray	ELT 1020800									
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1020900	M 0.30 7.50	Conductor Terminations and Splik	ELT 1020900									
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1020950	M 0.30 7.50	Conductor Terminations and Splik	ELT 1020950									
Alan A Mabarak					00:00 AM	00:00 AM	09/06/2016	12/16/2016	GAYL	MTEC		
		12:39pm-2:40pm		MTWR								
ELT 1021000	M 0.60 15.00	Grounding and Bonding	ELT 1021000									
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1021100	M 0.50 12.50	Circuit Breakers and Fuses	ELT 1021100									
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1021200	M 0.50 12.50	Control System and Concepts	ELT 1021200									
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 1400000	M 3.00 64.00	Solar/Wind Energy Systems	ELT 1400000									
Alan A Mabarak				T	05:00 PM	09:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	105	
ELT 2030300	M 0.70 17.50	Load Calculations - Branch Circu	ELT 2030300									
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2030400	M 0.60 15.00	Conductor Selection and Calcula	ELT 2030400									
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 2030500	M	0.50 12.50	Practical Applications of Lighting	ELT 2030500	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2030600	M	0.60 15.00	Hazardous Locations	ELT 2030600	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2030700	M	1.00 25.00	Overcurrent Protection	ELT 2030700	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2030800	M	0.50 12.50	Distribution Equipment	ELT 2030800	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2030900	M	0.50 12.50	Transformers	ELT 2030900	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2031000	M	0.40 10.00	Commercial Electrical Services	ELT 2031000	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2031100	M	0.50 12.50	Motor Calculations	ELT 2031100	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2031200	M	0.40 10.00	Voice, Data, and Video	ELT 2031200	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2031300	M	0.50 12.50	Motor Controls	ELT 2031300	M								
Alan A Mabarak						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Electrical Technology</b>												
ELT 2040400	M	0.80 20.00	Load Calculations - Feeder and S	ELT 2040400	M							
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2040500	M	0.40 10.00	Health Care Facilities	ELT 2040500	M							
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2040600	M	0.40 10.00	Standby and Emergency System:	ELT 2040600	M							
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2040700	M	0.40 10.00	Basic Electronic Theory	ELT 2040700	M							
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2040750	M	0.40 10.00	Basic Electronic Theory	ELT 2040750	M							
Alan A Mabarak					00:00 AM	00:00 AM	09/06/2016	12/16/2016	GAYL	MTEC		
			12:39pm-2:40pm	MTWR								
ELT 2040800	M	0.60 15.00	Fire Alarm Systems	ELT 2040800	M							
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2040900	M	0.40 10.00	Specialty Transformers	ELT 2040900	M							
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2041000	M	0.80 20.00	Advanced Motor Controls	ELT 2041000	M							
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2041100	M	0.60 15.00	HVAC Controls	ELT 2041100	M							
Alan A Mabarak					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 2041200	M	0.40	Heat Tracing and Freeze Protecti	ELT 2041200	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2041300	M	0.40	Motor Operation and Maintenanc	ELT 2041300	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2041400	M	0.40	Medium Voltage Termination/Spli	ELT 2041400	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2041500	M	0.80	Special Locations	ELT 2041500	M								
Alan A Mabarak		20.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2041600	M	0.60	Introductory Skills for Crew Lead	ELT 2041600	M								
Alan A Mabarak		15.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
ELT 2041800	M	0.60	Michigan Laws & Rules	ELT 2041800	M								
Alan A Mabarak		15.00				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		



2016-2017 Fall Semester

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date				
<b>Emergency Medical Serv</b>										
EMS 1000000	G 10.00 160.00	Basic Emergency Medical Techni	EMS 1000000	G						
Jason Grainger		MW	05:00 PM	10:00 PM	08/22/2016	12/10/2016	GRAY	HSC	1434	
Brian Welch		S	00:00 AM	00:00 AM	08/22/2016	12/10/2016	GRAY	HSC	1434	
4 Saturday Clinical Dates - TBA										
EMS 1000050	M 10.00 160.00	Basic Emergency Medical Techni	EMS 1000050	M						
Michael Czykoski		MTWR	10:00 AM	11:59 AM	09/06/2016	12/16/2016	GAYL	MTEC		
EMS 1010000	G 1.00 48.00	Clinical I	EMS 1010000	G						
Brian Welch			00:00 AM	00:00 AM	08/22/2016	12/10/2016	TBA			
EMS 2000000	G 4.00 64.00	<b>CANCELED Intro/Emergency Me</b>	EMS 2000000	G						
Joseph Rubino		MW	09:00 AM	10:59 AM	08/22/2016	12/10/2016	GRAY	HSC	1434	
EMS 2010000	G 3.00 56.00	<b>CANCELED Pharmacology</b>	EMS 2010000	G						
Joseph Rubino		MW	11:00 AM	12:45 PM	08/22/2016	12/10/2016	GRAY	HSC	1434	
EMS 2020000	G 2.50 44.00	<b>CANCELED Patient Assessment</b>	EMS 2020000	G						
Joseph Rubino		MW	01:00 PM	02:22 PM	08/22/2016	12/10/2016	GRAY	HSC	1434	
EMS 2080000	G 6.25 112.00	EMS Capstone	EMS 2080000	G						
Joseph Rubino		W	09:00 AM	03:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1434	
EMS 2990000	G 5.25 84.00	Internship	EMS 2990000	G						
Joseph Rubino			00:00 AM	00:00 AM	08/22/2016	12/10/2016	TBA			

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>English &amp; Literature</b>													
ENG 0981000	1.00 16.00	Fundamentals Reading & Writing	ENG 0981000										
Courtney Hornof		MW	02:30 PM	02:59 PM	08/22/2016	12/10/2016	CENT	ADM	253				
ENG 0981000 M	1.00 16.00	CANCELED-Fund Reading & Wri	ENG 0981000 M										
Barbara R Hunter		MW	10:00 AM	10:29 AM	08/22/2016	12/10/2016	GAYL	MTEC	103				
ENG 0981001	1.00 16.00	CANCELED-Fundl Reading & Wi	ENG 0981001										
Courtney Hornof		TR	02:30 PM	02:59 PM	08/22/2016	12/10/2016	CENT	ADM	253				
ENG 0992000	4.00 64.00	College Reading & Writing	ENG 0992000										
Courtney Hornof		MW	12:30 PM	02:29 PM	08/22/2016	12/10/2016	CENT	ADM	253				
ENG 0992000 M	4.00 64.00	College Reading & Writing	ENG 0992000 M										
Barbara R Hunter		MW	08:00 AM	09:59 AM	08/22/2016	12/10/2016	GAYL	MTEC	103				
ENG 0992001	4.00 64.00	College Reading & Writing	ENG 0992001										
Courtney Hornof		TR	12:30 PM	02:29 PM	08/22/2016	12/10/2016	CENT	ADM	253				
ENG 1030300	3.00 48.00	English Composition I	ENG 1030300										
Carol Godfrey Finke		MW	08:30 AM	09:59 AM	08/22/2016	12/10/2016	CENT	ADM	110				
ENG 1030300 G	3.00 48.00	English Composition I	ENG 1030300 G										
Jon F Thompson		MW	10:00 AM	11:29 AM	08/22/2016	12/10/2016	GRAY	HSC	1408				
ENG 1030300 M	3.00 48.00	English Composition I	ENG 1030300 M										
Carol Godfrey Finke		TR	09:30 AM	10:59 AM	08/22/2016	12/10/2016	GAYL	MTEC	107A				

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>English &amp; Literature</b>												
ENG 1030301	3.00	ON HOLD English Composition I	ENG 1030301									
TBA	48.00			MW	10:00 AM	11:29 AM	08/22/2016	12/10/2016	CENT	ADM	110	
ENG 1030301	3.00	English Composition I	ENG 1030301	G								
Carol Godfrey Finke	48.00			MW	03:00 PM	04:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2018	
ENG 1030301	3.00	CANCELED English Compositior	ENG 1030301	M								
TBA	48.00			MW	09:30 AM	10:59 AM	08/22/2016	12/10/2016	GAYL	MTEC	107A	
ENG 1030302	3.00	English Composition I	ENG 1030302									
Carol Godfrey Finke	48.00			MW	12:30 PM	01:59 PM	08/22/2016	12/10/2016	CENT	ADM	110	
ENG 1030302	3.00	English Composition I	ENG 1030302	G								
Jon F Thompson	48.00			TR	10:00 AM	11:29 AM	08/22/2016	12/10/2016	GRAY	HSC	1434	
ENG 1030303	3.00	English Composition I	ENG 1030303									
Carol Godfrey Finke	48.00			TR	12:30 PM	01:59 PM	08/22/2016	12/10/2016	CENT	ADM	110	
ENG 1030304	3.00	ON HOLD English Composition I	ENG 1030304									
TBA	48.00			TR	12:00 PM	01:29 PM	08/22/2016	12/10/2016	CENT	ADM	206	
ENG 1030340	3.00	English Composition I	ENG 1030340									
Christina Young	48.00			MTWRF	08:53 AM	09:51 AM	09/06/2016	12/16/2016	RHS			
ENG 1030350	3.00	English Composition I	ENG 1030350									
Sarah E Peterson	48.00			R	08:00 AM	11:00 AM	09/06/2016	12/16/2016	IRESA			

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>English &amp; Literature</b>												
ENG 1030351	3.00 48.00	English Composition I	ENG 1030351	R	12:00 PM	03:00 PM	09/06/2016	12/16/2016	OSCOD			
Trisha L Winn												
ENG 1030360	3.00 48.00	English Composition I	ENG 1030360		00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Jon F Thompson												
Online Course												
ENG 1030361	3.00 48.00	English Composition I	ENG 1030361		00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Jon F Thompson												
Online Course												
ENG 1030362	3.00 48.00	English Composition I	ENG 1030362		00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Courtney Hornof												
Online Course												
ENG 1030363	3.00 48.00	English Composition I	ENG 1030363		00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Bruce Busby												
Online Course												
ENG 1030364	3.00 48.00	English Composition I	ENG 1030364		00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Courtney Hornof												
Online Course												
ENG 1030380 G	3.00 48.00	<b>CANCELED English Compositor</b>	ENG 1030380 G	F	09:00 AM	10:29 AM	08/22/2016	12/10/2016	GRAY	HSC	1408	
Jon F Thompson												
Jon F Thompson					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID Also meets 1.5 hours online each week												
ENG 1030380 W	3.00 48.00	<b>CANCELED English Compositor</b>	ENG 1030380 W	T	01:00 PM	02:29 PM	08/22/2016	12/10/2016	WB	WBRAN	104	
Mary Ann Kost												
Mary Ann Kost					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID Also meets 1.5 hours online each week												

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>English &amp; Literature</b>													
ENG 1040300	3.00 48.00	<b>CANCELED English Composition I</b>	ENG 1040300										
Carol Godfrey Finke					TR	03:00 PM	04:29 PM	08/22/2016	12/10/2016	CENT	ADM	110	
ENG 1040300 G	3.00 48.00	English Composition II	ENG 1040300 G										
Jon F Thompson					MW	03:00 PM	04:29 PM	08/22/2016	12/10/2016	GRAY	HSC	1406	
ENG 1040301 G	3.00 48.00	<b>ON HOLD English Composition II</b>	ENG 1040301 G										
TBA					TR	01:30 PM	02:59 PM	08/22/2016	12/10/2016	GRAY	HSC		
ENG 1040360	3.00 48.00	English Composition II	ENG 1040360										
Frederic Giacobazzi						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
ENG 1040361	3.00 48.00	English Composition II	ENG 1040361										
Frederic Giacobazzi						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
ENG 1040362	3.00 48.00	<b>ON HOLD English Composition II</b>	ENG 1040362										
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
ENG 1180000 M	3.00 48.00	Intro Technical & Prof Writing	ENG 1180000 M										
Frederic Giacobazzi					M	05:00 PM	07:59 PM	08/22/2016	12/10/2016	GAYL	MTEC	105	
ENG 2280000	3.00 48.00	Mythology	ENG 2280000										
Frederic Giacobazzi					MW	10:00 AM	11:29 AM	08/22/2016	12/10/2016	CENT	ADM	253	
ENG 2330060	3.00 48.00	British Literature I	ENG 2330060										
Courtney Hornof						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Fire Fighter</u></b>											
FFT 2070000	14.00	Firefighter I & II									
	224.00										
Thomas Grace			00:00 AM	00:00 AM	08/22/2016	12/10/2016	CENT				

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Finance</b>											
FIN 2000060	3.00	Principles of Finance		FIN 2000060							
Jane E Lange	48.00		00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Geology</b>											
GEL 1050060	4.00	Physical Geology	GEL 1050060								
Anne M Hauser	80.00		00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											



2016-2017 Fall Semester

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment	
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date					
<b>Geography</b>											
GEO 100060	4.00	World Geography	GEO 100060								
Sinan Toprak	64.00		00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>History</b>											
HIS 2010000	3.00 48.00	United States History to 1865	HIS 2010000								
John R Thiel		M	01:00 PM	03:59 PM	08/22/2016	12/10/2016	CENT	LIB	8		
HIS 2020060	3.00 48.00	United States History Since 1865	HIS 2020060								
John R Thiel			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
HIS 2040000 G	3.00 48.00	The American Civil War	HIS 2040000 G								
John R Thiel		MW	09:00 AM	10:29 AM	08/22/2016	12/10/2016	GRAY	HSC	2024		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
HIT 1060060	3.00 48.00	Intro-Health Information Manager	HIT 1060060									
Deborah A Bebow					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
HIT 2000060	3.00 80.00	Intro to Electronic Health Record	HIT 2000060									
Deborah A Bebow					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
HIT 2130160	4.00 64.00	Diagnostic Coding	HIT 2130160									
Jennifer Talbot					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
HIT 2160160	4.00 64.00	Procedure Coding	HIT 2160160									
Deborah A Bebow					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
HIT 2300160	4.00 64.00	Health Statistics & Quality Improv	HIT 2300160									
Jennifer Talbot					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
HIT 2310260	4.00 96.00	<b>CANCELED HIM II</b>	HIT 2310260									
Jennifer Talbot					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
HIT 2320060	3.00 80.00	Health Data Content & Structure	HIT 2320060									
Shane Talbot					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
HIT 2330160	4.00 96.00	Revenue Cycle & Reimbursemen	HIT 2330160									
Jennifer Talbot					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course										
HIT 2990160	4.00 64.00	Practicum-Health Info Technology	HIT 2990160									
Jennifer Talbot					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Independent Study										

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Health Information Techn</b>													
HIT 2990260	4.00	Practicum-Medical Coding & Billi	HIT 2990260										
	64.00												
Deborah A Bebow					00:00 AM	00:00 AM	08/22/2016	12/10/2016		ONLIN			
		Independent Study											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Humanities</b>													
HUM 2050000 G	3.00 48.00	The Individual and Society	HUM 2050000	G	TR	09:00 AM	10:29 AM	08/22/2016	12/10/2016	GRAY	HSC	2024	
John R Thiel													
HUM 2050000 M	3.00 48.00	CANCELED-The Individual and S	HUM 2050000	M	W	01:00 PM	03:59 PM	08/22/2016	12/10/2016	GAYL	MTEC	105	
John R Thiel													
HUM 2050001 G	3.00 48.00	CANCELED The Individual and S	HUM 2050001	G	T	05:00 PM	08:00 PM	08/22/2016	12/10/2016	GRAY	HSC	2024	
John R Thiel													
HUM 2050050	3.00 48.00	The Individual and Society	HUM 2050050			00:00 AM	00:00 AM	09/06/2016	12/16/2016	IRESA			
John R Thiel													
HUM 2050051	3.00 48.00	The Individual and Society	HUM 2050051			00:00 AM	00:00 AM	09/06/2016	12/16/2016	OSCOD			
John R Thiel													
HUM 2050060	3.00 48.00	The Individual and Society	HUM 2050060			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
John R Thiel													
		Online Course											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 1110000	M 0.30 7.50	Introduction to HVAC	HVC 1110000									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1110100	M 0.40 10.00	Trade Mathematics	HVC 1110100									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1110200	M 0.50 12.50	Basic Electricity	HVC 1110200									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1110300	M 0.60 15.00	Introduction to Heating	HVC 1110300									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1110400	M 1.20 30.00	Introduction to Cooling	HVC 1110400									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1110500	M 0.60 15.00	Intro to Air Distribution Systems	HVC 1110500									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1110600	M 0.40 10.00	Basic Copper & Plastic Piping Pr	HVC 1110600									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1110700	M 0.40 10.00	Soldering & Brazing	HVC 1110700									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1110800	M 0.40 10.00	Basic Carbon Steel Piping Practi	HVC 1110800									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Heating, Ventilation, &amp; A</b>													
HVC 1120000	M	0.30 7.50	Alternating Current	HVC 1120000	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1120100	M	0.70 17.50	Compressors	HVC 1120100	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1120200	M	0.50 12.50	Refrigerants & Oils	HVC 1120200	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1120300	M	1.20 30.00	Leak Detect/Evac/Recov/Chargin	HVC 1120300	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1120400	M	0.30 7.50	Metering Devices	HVC 1120400	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1120500	M	0.80 20.00	Heat Pumps	HVC 1120500	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1120600	M	0.40 10.00	Basic Maintenance	HVC 1120600	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1120700	M	0.20 5.00	Chimneys, Vents & Flues	HVC 1120700	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1120800	M	0.40 10.00	Sheet Metal Duct Systems	HVC 1120800	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Heating, Ventilation, &amp; A</b>													
HVC 1120900	M 0.30	Fiberglass & Fabric Duct System:	HVC 1120900	M									
Clark Allan Dowker	7.50					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1121000	M 0.50	Commercial Airside Systems	HVC 1121000	M									
Clark Allan Dowker	12.50					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1121100	M 0.20	Air Quality Equipment	HVC 1121100	M									
Clark Allan Dowker	5.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 1121200	M 0.50	Introduction to Hydronic Systems	HVC 1121200	M									
Clark Allan Dowker	12.50					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2130000	M 0.40	Hardware & Fastening	HVC 2130000	M									
Clark Allan Dowker	10.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2130100	M 1.20	Control Circuit/Motor Troubleshoc	HVC 2130100	M									
Clark Allan Dowker	30.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2130200	M 0.80	Troubleshooting Cooling	HVC 2130200	M									
Clark Allan Dowker	20.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2130300	M 0.50	Troubleshooting Heat Pumps	HVC 2130300	M									
Clark Allan Dowker	12.50					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2130400	M 0.50	Troubleshooting Gas Heating	HVC 2130400	M									
Clark Allan Dowker	12.50					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		



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2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 2130500	M	0.50 12.50	Troubleshooting Oil Heating									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2130600	M	0.30 7.50	Troubleshooting Accessories									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2130700	M	0.50 12.50	Ductless Equipment/Zone Contro									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2130800	M	0.30 7.50	Commercial Hydronic Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2130900	M	0.40 10.00	Steam Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2131000	M	0.60 15.00	Retail Refrigeration Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2131100	M	0.20 5.00	Customer Relations									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2140000	M	0.50 12.50	Water Treatment									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2140100	M	0.40 10.00	Indoor Air Quality									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 2140200	M 0.30 0.50	Energy Conservation Equipment	HVC 2140200									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2140300	M 0.50 12.50	Building Management Systems	HVC 2140300									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2140400	M 0.60 15.00	System Air Balancing	HVC 2140400									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2140500	M 0.60 15.00	System Startup & Shutdown	HVC 2140500									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2140600	M 0.50 12.50	Construction Drawings/Specificat	HVC 2140600									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2140700	M 1.00 25.00	Heating & Cooling System Design	HVC 2140700									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2140800	M 0.80 20.00	Commercial/Industrial Refrigerati	HVC 2140800									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2140900	M 0.40 10.00	Alternative/Specialized HVAC Sy	HVC 2140900									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
HVC 2141000	M 0.80 20.00	Fundamentals of Crew Leadershi	HVC 2141000									
Clark Allan Dowker					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Mechatronics</u></b>													
MEC 1000000	M	3.00	Basic Electricity & Controls	MEC 1000000	M								
Alan A Mabarak		64.00			T	08:00 AM	11:59 AM	08/22/2016	12/10/2016	GAYL	MTEC	109	
MEC 1000001	M	3.00	Basic Electricity & Controls	MEC 1000001	M								
Alan A Mabarak		64.00			R	05:00 PM	09:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	109	
MEC 1000050	M	3.00	Basic Electricity & Controls	MEC 1000050	M								
Alan A Mabarak		64.00				00:00 AM	00:00 AM	09/06/2016	12/16/2016	GAYL	MTEC		
			12:39pm-2:40pm		MTWR								
MEC 1040100	M	2.00	Intro to Pneumatics	MEC 1040100	M								
Doane N Quick		32.00			W	05:00 PM	09:00 PM	08/22/2016	10/05/2016	GAYL	MTEC	109	
MEC 1060080	M	3.40	Mechanical Drives	MEC 1060080	M								
Alan A Mabarak		84.80				00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
MEC 1070000	M	2.00	Pump Systems	MEC 1070000	M								
Clark Allan Dowker		32.00			W	05:00 PM	09:00 PM	10/12/2016	12/10/2016	GAYL	MTEC	105	
MEC 1090100	M	2.00	Precision Measuring Tools	MEC 1090100	M								
Michael J Fessler		32.00			T	05:00 PM	07:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	109	
MEC 2030000	M	2.00	CANCELED Robotic Systems	MEC 2030000	M								
Brad Bertels		48.00			W	06:00 PM	09:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	103	

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Course	Credits	Title	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
<b>Marketing</b>											
MKT 1100060	3.00 48.00	Prin of Selling									
Erine Kaye Adams				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course											
MKT 2000060	3.00 48.00	Principles of Marketing									
Gary A Vetter				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course											
MKT 2000061	3.00 48.00	ON HOLD Principles of Marketing									
TBA				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course											
MKT 2000080 W	3.00 48.00	CANCELED Principles of Marketi									
Erine Kaye Adams			M	03:30 PM	05:29 PM	08/22/2016	12/10/2016	WB	WBRAN	104	
Erine Kaye Adams				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID		Also meets one hour online each week									
MKT 2040060	3.00 48.00	Advertising									
Sarah Lynn Medler				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Manufacturing Technolo</b>													
MPT 1100000	M 4.00 96.00	Machine Theory & Operation I	MPT 1100000	M									
Michael J Fessler					T	07:00 PM	09:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	103	
George Allen Pewinski					W	05:00 PM	09:00 PM	08/22/2016	12/10/2016	GAYL	MTEC		
MPT 1120000	M 3.00 64.00	Practical Problems in Machine Tc	MPT 1120000	M									
Michael J Fessler						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
		Independent Study											
MPT 1200000	M 3.00 64.00	CNC Machining I	MPT 1200000	M									
Gary S Sheldon					R	05:00 PM	09:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	105	
MPT 1220000	M 3.00 64.00	Lean Manufacturing	MPT 1220000	M									
Gary S Sheldon					M	05:00 PM	09:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	109	

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Mathematics</b>													
MTH 0630000	4.00 64.00	Basic Mathematics	MTH 0630000		MW	03:00 PM	04:59 PM	08/22/2016	12/10/2016	CENT	ADM	105	
Kevin T Baughn													
MTH 0630000 M	4.00 64.00	Basic Mathematics	MTH 0630000 M		TR	12:00 PM	01:59 PM	08/22/2016	12/10/2016	GAYL	MTEC	107A	
Phillip Benjamin Collins													
MTH 0630001	4.00 64.00	ON HOLD Basic Mathematics	MTH 0630001		TR	12:00 PM	01:59 PM	08/22/2016	12/10/2016	CENT	ADM	204	
TBA													
MTH 0630002	4.00 64.00	Basic Mathematics	MTH 0630002		TR	01:00 PM	02:59 PM	08/22/2016	12/10/2016	CENT	ADM	105	
Marcell Romancky													
MTH 0730000	4.00 64.00	Basic Algebra	MTH 0730000		MW	10:00 AM	11:59 AM	08/22/2016	12/10/2016	CENT	ADM	205	
Douglas W Mace													
MTH 0730000 G	4.00 64.00	Basic Algebra	MTH 0730000 G		MW	10:00 AM	11:59 AM	08/22/2016	12/10/2016	GRAY	HSC	2018	
Kevin T Baughn													
MTH 0730000 M	4.00 64.00	Basic Algebra	MTH 0730000 M		TR	03:00 PM	04:59 PM	08/22/2016	12/10/2016	GAYL	MTEC	107A	
Phillip Benjamin Collins													
MTH 0730000 W	4.00 64.00	Basic Algebra	MTH 0730000 W		MW	01:00 PM	02:59 PM	08/22/2016	12/10/2016	WB	WBRAN	102	
Marcell Romancky													
MTH 0730001	4.00 64.00	ON HOLD Basic Algebra	MTH 0730001		MW	12:00 PM	01:59 PM	08/22/2016	12/10/2016	CENT	ADM	205	
TBA													

2016-2017 Fall Semester

Course	Credits	Title	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
MTH 0730001 G	4.00 64.00	Basic Algebra									
Douglas W Mace			MW	06:00 PM	08:00 PM	08/22/2016	12/10/2016	GRAY	HSC	2010	
MTH 0730001 M	4.00 64.00	Basic Algebra									
Michelle Broge			MW	06:00 PM	08:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	107A	
MTH 0730002	4.00 64.00	Basic Algebra									
Kevin T Baughn			TR	08:00 AM	09:59 AM	08/22/2016	12/10/2016	CENT	ADM	207	
MTH 0730002 G	4.00 64.00	Basic Algebra									
Charles Robert Rickard			TR	10:30 AM	12:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2024	
MTH 0730003	4.00 64.00	Basic Algebra									
Marcell Romancky			TR	03:00 PM	04:59 PM	08/22/2016	12/10/2016	CENT	ADM	207	
MTH 1200000	4.00 64.00	ON HOLD Intermediate Algebra									
TBA			MW	12:00 PM	01:59 PM	08/22/2016	12/10/2016	CENT	ADM	207	
MTH 1200000 G	4.00 64.00	Intermediate Algebra									
Kevin T Baughn			MW	08:00 AM	09:59 AM	08/22/2016	12/10/2016	GRAY	HSC	2018	
MTH 1200000 M	4.00 64.00	Intermediate Algebra									
Phillip Benjamin Collins			TR	06:00 PM	08:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	107A	
MTH 1200001	4.00 64.00	Intermediate Algebra									
Kevin T Baughn			TR	12:00 PM	01:59 PM	08/22/2016	12/10/2016	CENT	ADM	207	

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Mathematics</b>													
MTH 1200001	G	4.00	ON HOLD Intermediate Algebra	MTH 1200001	G								
TBA	64.00				TR	12:00 PM	01:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2018	
MTH 1200001	M	4.00	ON HOLD Intermediate Algebra	MTH 1200001	M								
TBA	64.00				TR	10:00 AM	11:59 AM	08/22/2016	12/10/2016	GAYL	MTEC	107B	
MTH 1200060		4.00	Intermediate Algebra	MTH 1200060									
Marcell Romancky	64.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
MTH 1200061		4.00	CANCELED Intermediate Algebra	MTH 1200061									
Marcell Romancky	64.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
MTH 1200062		4.00	ON HOLD Intermediate Algebra	MTH 1200062									
TBA	64.00					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
MTH 1200080	W	4.00	Intermediate Algebra	MTH 1200080	W								
Marcell Romancky	64.00				M	11:00 AM	12:59 PM	08/22/2016	12/10/2016	WB	WBRAN	102	
Marcell Romancky						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID Also meets 2 Hours online each week													
MTH 1250000		4.00	CANCELED-Quantitative Literacy	MTH 1250000									
Douglas W Mace	64.00				TR	09:00 AM	10:59 AM	08/22/2016	12/10/2016	CENT	ADM	204	
MTH 1300000		4.00	College Algebra	MTH 1300000									
Douglas W Mace	64.00				MW	12:00 PM	01:59 PM	08/22/2016	12/10/2016	CENT	ADM	204	



2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Mathematics</b>													
MTH 1300050	4.00 64.00	College Algebra	MTH 1300050										
Caitlin Rowan						00:00 AM	00:00 AM	09/06/2016	12/16/2016	HLHS			
MTH 1300060	4.00 64.00	College Algebra	MTH 1300060										
Caitlin Rowan						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course											
MTH 1300061	4.00 64.00	ON HOLD College Algebra	MTH 1300061										
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course											
MTH 1800100	4.00 64.00	Pre-Calculus	MTH 1800100										
Caitlin Rowan					MW	03:00 PM	04:59 PM	08/22/2016	12/10/2016	CENT	ADM	206	
		Independent Study											
MTH 2060000 G	4.00 64.00	Application in Statistics	MTH 2060000 G										
Caitlin Rowan					TR	10:00 AM	11:59 AM	08/22/2016	12/10/2016	GRAY	HSC	2018	
MTH 2060060	4.00 64.00	Application in Statistics	MTH 2060060										
Douglas W Mace						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course											
MTH 2060061	4.00 64.00	ON HOLD Application in Statistic	MTH 2060061										
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		Online Course											
MTH 2060080 G	4.00 64.00	Application in Statistics	MTH 2060080 G										
Caitlin Rowan					T	03:00 PM	04:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2010	
Caitlin Rowan						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
		HYBRID Also meets 2 Hours online each week											

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Music</b>											
MUS 1010060	3.00 48.00	Music History & Appreciation	MUS 1010060								
Hillary Vermillion			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
MUS 1010061	3.00 48.00	ON HOLD Music History & Appre	MUS 1010061								
Hillary Vermillion			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
MUS 1500050	1.00 48.00	Vocal Ensemble	MUS 1500050								
Kevin E Salsbury		MWF	07:00 AM	08:00 AM	09/06/2016	12/16/2016	FAIRV				

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date				
<b><u>Nursing</u></b>										
NUR 1051500	G 9.50 200.00	Fundamentals of Nursing Practic	NUR 1051500	G						
Lisa Mary Awrey		M	02:00 PM	04:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2010	
Lisa Mary Awrey		W	01:00 PM	04:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1431	
Lisa Mary Awrey		R	09:00 AM	12:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1431	
NUR 1051501	G 9.50 200.00	Fundamentals of Nursing Practic	NUR 1051501	G						
Lisa Mary Awrey		M	02:00 PM	04:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2010	
Lisa Mary Awrey		W	08:00 AM	11:59 AM	08/22/2016	12/10/2016	GRAY	HSC	1431	
Lisa Mary Awrey		R	09:00 AM	12:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1431	
NUR 1081500	G 8.00 272.00	Nursing Across the Lifespan	NUR 1081500	G						
Stephanie Lee Mansfield		W	01:00 PM	03:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2010	
NUR 1101500	G 2.00 32.00	Critical Thinking in Nursing	NUR 1101500	G						
Amy B Polzin		R	02:00 PM	03:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2018	
NUR 1991500	G 4.00 64.00	Role Transition	NUR 1991500	G						
April Whitaker		T	08:00 AM	11:59 AM	08/22/2016	12/10/2016	GRAY	HSC	2010	
NUR 2141500	G 4.00 64.00	Nursing Pharmacology	NUR 2141500	G						
Julie Ann McClure		M	09:00 AM	12:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2010	
NUR 2221500	G 8.00 288.00	Advanced Medical/Surgical Nursi	NUR 2221500	G						
Stephanie Lee Mansfield		R	09:00 AM	12:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2010	

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Nursing</u></b>													
NUR 2321500	G	5.00 144.00	Advanced Maternal/Pediatrics	NUR 2321500	G								
Lisa Mary Awrey					R	02:00 PM	04:59 PM	08/22/2016	10/06/2016	GRAY	HSC	2010	
Bethany A Hubbard					R	02:00 PM	04:59 PM	10/07/2016	12/10/2016	GRAY	HSC	2024	
NUR 2321501	G	5.00 144.00	Advanced Maternal/Pediatrics	NUR 2321501	G								
Bethany A Hubbard					R	02:00 PM	04:59 PM	08/22/2016	10/06/2016	GRAY	HSC	2024	
Lisa Mary Awrey					R	02:00 PM	04:59 PM	10/07/2016	12/10/2016	GRAY	HSC	2010	
NUR 2421500	G	4.00 96.00	Community Mental Health	NUR 2421500	G								
Amy B Polzin					W	09:00 AM	11:59 AM	08/22/2016	12/10/2016	GRAY	HSC	2010	
NUR 2421501	G	4.00 96.00	Community Mental Health Nursin	NUR 2421501	G								
Amy B Polzin					R	09:30 AM	12:30 PM	08/22/2016	12/10/2016	GRAY	HSC	1408	

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Office Information Syste</b>													
OIS 1040060	3.00 48.00	Keyboarding I	OIS 1040060										
Rena Ann Klee						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Independent Study													
OIS 1050060	3.00 48.00	ON HOLD Business Correspondence	OIS 1050060										
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
OIS 1070060	3.00 48.00	Medical Office Transcription	OIS 1070060										
Rena Ann Klee						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Independent Study													
OIS 1120160	3.00 48.00	Business Calculations	OIS 1120160										
Erine Kaye Adams						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Independent Study													
OIS 1700060	3.00 48.00	ON HOLD Legal Term & Transcription	OIS 1700060										
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
OIS 1800060	3.00 48.00	ON HOLD Office Billing	OIS 1800060										
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
OIS 1820060	3.00 48.00	Word Processing I	OIS 1820060										
Rena Ann Klee						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Independent Study													
OIS 2050060	3.00 48.00	ON HOLD Records Management	OIS 2050060										
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
OIS 2100060	3.00 48.00	Office Procedures	OIS 2100060										
Rena Ann Klee						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Independent Study													

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Office Information Syste</b>													
OIS 2150060	3.00 48.00	Desktop Publishing for the Office	OIS 2150060										
Renaë Ann Klee					00:00 AM	00:00 AM	08/22/2016	12/10/2016					ONLIN
		Independent Study											
OIS 2220060	3.00 48.00	Word Processing II-Word	OIS 2220060										
Renaë Ann Klee					00:00 AM	00:00 AM	08/22/2016	12/10/2016					ONLIN
		Independent Study											
OIS 2990180	3.00 48.00	Internship-Administrative Assista	OIS 2990180										
Erine Kaye Adams					00:00 AM	00:00 AM	08/22/2016	12/10/2016					ONLIN
		Independent Study											
OIS 2990380	3.00 48.00	Internship-Medical Secretary	OIS 2990380										
Erine Kaye Adams					00:00 AM	00:00 AM	08/22/2016	12/10/2016					ONLIN
		Independent Study											
OIS 2990480	3.00 48.00	Internship-Medical Clerk	OIS 2990480										
Erine Kaye Adams					00:00 AM	00:00 AM	08/22/2016	12/10/2016					ONLIN
		Independent Study											

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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Phlebotomy</u></b>											
PHB 1010080 G	6.00 184.00	Phlebotomy Technician			PHB 1010080 G						
Jeffrey Bruce Lavender			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
This is a hybrid course and meets online each week											
Jeffrey Bruce Lavender		T	03:00 PM	07:00 PM	08/22/2016	12/10/2016	GRAY	HSC	1436		
Meet at Grayling HSC Tues 9/12,10/17,10/31 11/7 3-7:00pm											
Jeffrey Bruce Lavender			00:00 AM	00:00 AM	08/22/2016	12/10/2016	TBA				
Clinical Requirement 11/13-12/8 at multiple locations TBA											

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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Philosophy</b>											
PHL 2010000	3.00 48.00	CANCELED Intro to Philosophy	PHL 2010000								
Frederic Giacobazzi		MW	12:00 PM	01:29 PM	08/22/2016	12/10/2016	CENT	ADM	251-2		
PHL 2100000	3.00 48.00	Introduction to Ethics	PHL 2100000								
Frederic Giacobazzi		MW	02:00 PM	03:29 PM	08/22/2016	12/10/2016	CENT	ADM	251-2		



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Course	Professor	Credits	Contact	Title	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
<b>Pharmacy Technology</b>													
PHM 1100080	G	9.00		Pharmacy Technology I									
		224.00											
	Deborah E Lee				R	10:00 AM	03:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1411	
	Deborah E Lee					00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
				HYBRID Also meets 2 Hours online each week									
	Deborah E Lee					00:00 AM	00:00 AM	08/22/2016	12/10/2016	TBA			
				6 add'l hours lab, TBA									

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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Physics</b>											
PHY 1100000 G	4.00	CANCELED General Physics	PHY 1100000 G								
	80.00										
Scott E Cochran		TR	02:00 PM	04:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2016		

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Plumbing</b>													
PLB 1030100	M	0.20 5.00	Intro to the Plumbing Profession	PLB 1030100	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1030200	M	0.80 20.00	Plumbing Safety	PLB 1030200	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1030300	M	0.30 7.50	Plumbing Tools	PLB 1030300	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1030400	M	0.30 7.50	Intro to Plumbing Math	PLB 1030400	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1030500	M	0.50 12.50	Intro to Plumbing Drawings	PLB 1030500	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1030600	M	0.40 10.00	Plastic Pipe and Fittings	PLB 1030600	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1030700	M	0.40 10.00	Copper Pipe and Fittings	PLB 1030700	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1030800	M	0.50 12.50	Cast Iron Pipe and Fittings	PLB 1030800	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1030900	M	0.40 10.00	Carbon Steel Pipe and Fittings	PLB 1030900	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Plumbing</b>													
PLB 1031000	M	0.10 2.50	Corrugated Stainless Steel Tubin	PLB 1031000	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1031100	M	0.20 5.00	Fixtures and Faucets	PLB 1031100	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1031200	M	0.40 10.00	Intro to Drain/Waste/Vent (DWV)	PLB 1031200	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1031300	M	0.40 10.00	Intro to Water Distribution System	PLB 1031300	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1031400	M	0.60 15.00	Plumbing Math Two	PLB 1031400	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1031500	M	0.80 20.00	Reading Commercial Drawings	PLB 1031500	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1031600	M	0.40 10.00	Hanger/Support/Struc Pen/Fire S	PLB 1031600	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1031700	M	1.00 25.00	Installing & Testing DWV Piping	PLB 1031700	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1031800	M	0.20 5.00	Installing Roof/Floor/Area Drains	PLB 1031800	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Plumbing</b>													
PLB 1031900	M	0.20 5.00	Types of Valves	PLB 1031900	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1032000	M	0.80 20.00	Install & Test Water Supply Piping	PLB 1032000	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1032100	M	0.80 20.00	Installing Fixtures/Valves/Faucets	PLB 1032100	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1032200	M	0.60 15.00	Intro to Electricity	PLB 1032200	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1032300	M	0.20 5.00	Installing Water Heaters	PLB 1032300	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1032400	M	0.80 20.00	Fuel Gas Systems	PLB 1032400	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
PLB 1032500	M	0.20 5.00	Servicing Fixtures/Valves/Faucets	PLB 1032500	M								
Clark Allan Dowker						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Political Science</b>											
POL 1010050	3.00 48.00	Intro to American Government	POL 1010050								
Margaret MacKenzie		W	08:00 AM	11:00 AM	09/06/2016	12/16/2016	IRESA				
POL 1010051	3.00 48.00	Intro to American Government	POL 1010051								
Margaret MacKenzie		W	12:00 PM	03:00 PM	09/06/2016	12/16/2016	OSCOD				
POL 1010052	3.00 48.00	Intro to American Government	POL 1010052								
Dale Shantz		MTWRF	07:50 AM	08:48 AM	09/06/2016	12/16/2016	RHS				
POL 1010060	3.00 48.00	Intro to American Government	POL 1010060								
Margaret MacKenzie			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									
POL 1010061	3.00 48.00	ON HOLD American Governmen	POL 1010061								
TBA			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									
POL 1010062	3.00 48.00	Intro to American Government	POL 1010062								
Sinan Toprak			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									
POL 2000060	3.00 48.00	CANCELED International Relatio	POL 2000060								
Sinan Toprak			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course									

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Psychology</b>													
PSY 1010000	3.00 48.00	Intro to Psychology	PSY 1010000										
Michael Peters					TR	10:00 AM	11:29 AM	08/22/2016	12/10/2016	CENT	ADM	251-2	
PSY 1010000 G	3.00 48.00	Intro to Psychology	PSY 1010000 G										
Heather Marie Merchant					MW	12:30 PM	01:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2024	
PSY 1010001 G	3.00 48.00	Intro to Psychology	PSY 1010001 G										
Michael Peters					TR	12:30 PM	01:59 PM	08/22/2016	12/10/2016	GRAY	HSC	2024	
PSY 1010060	3.00 48.00	Intro to Psychology	PSY 1010060										
Heather Marie Merchant						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
PSY 1010061	3.00 48.00	Intro to Psychology	PSY 1010061										
James D Backlund						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
PSY 1010062	3.00 48.00	Intro to Psychology	PSY 1010062										
James D Backlund						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
PSY 1010080 M	3.00 48.00	<b>CANCELED Intro to Psychology</b>	PSY 1010080 M										
TBA					M	06:00 PM	08:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	103	
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID Also meets one hour online each week													
PSY 1010080 W	3.00 48.00	Intro to Psychology	PSY 1010080 W										
Anthony Ott					M	06:00 PM	07:30 PM	08/22/2016	12/10/2016	WB	WBRAN	104	
Anthony Ott						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID Also meets 1.5 hours online each week													

2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Psychology</b>													
PSY 1010081	M	3.00 48.00	CANCELED Intro to Psychology	PSY 1010081	M								
TBA					T	06:00 PM	08:00 PM	08/22/2016	12/10/2016	GAYL	MTEC	103	
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID Also meets one hour online each week													
PSY 2020000	G	3.00 48.00	CANCELED Abnormal Psycholog	PSY 2020000	G								
Heather Marie Merchant					M	05:00 PM	08:00 PM	08/22/2016	12/10/2016	GRAY	HSC	2018	
PSY 2020001	G	3.00 48.00	CANCELED Abnormal Psycholog	PSY 2020001	G								
Heather Marie Merchant					MW	02:00 PM	03:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2024	
PSY 2020060		3.00 48.00	Abnormal Psychology	PSY 2020060									
James D Backlund						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
PSY 2020061		3.00 48.00	ON HOLD Abnormal Psychology	PSY 2020061									
James D Backlund						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
Online Course													
PSY 2600100		3.00 48.00	CANCELLED-Human Sexuality	PSY 2600100									
Heather Marie Merchant					MW	10:00 AM	11:29 AM	08/22/2016	12/10/2016	CENT	ADM	251-2	



2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Sociology</u></b>											
SOC 1010060	3.00 48.00	Intro to Sociology	SOC 1010060								
Andrea Thomson			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
SOC 1010061	3.00 48.00	Intro to Sociology	SOC 1010061								
Andrea Thomson			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											
SOC 2350060	3.00 48.00	Racial, Cultural & Ethnic Diversity	SOC 2350060								
Andrea Thomson			00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
Online Course											

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b><u>Sonography</u></b>												
SON 1000000	G 2.00 48.00	Intro to Sonography Patient Care	SON 1000000									
Jody M Eastman				T	03:00 PM	05:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1408	
SON 1060000	G 4.00 64.00	Cardiovascular Anatomy & Physi	SON 1060000									
James H Eastman				MW	03:00 PM	04:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1408	
SON 1100000	G 3.00 48.00	Ultrasound Physics	SON 1100000									
James H Eastman				MW	01:00 PM	02:29 PM	08/22/2016	12/10/2016	GRAY	HSC	1408	
SON 1160000	G 3.00 48.00	Basic Sonography	SON 1160000									
James H Eastman				TR	08:00 AM	09:29 AM	08/22/2016	12/10/2016	GRAY	HSC	1408	
SON 1170000	G 4.00 128.00	Basic Sonography Lab	SON 1170000									
James H Eastman				TR	09:30 AM	01:29 PM	08/22/2016	12/10/2016	GRAY	HSC	1403	
SON 1560000	G 3.00 48.00	Advanced Sonography	SON 1560000									
James H Eastman					00:00 AM	00:00 AM	08/22/2016	12/10/2016	TBA			
		Independent Study										
SON 1570000	G 4.00 128.00	Advanced Sonography Lab	SON 1570000									
James H Eastman					00:00 AM	00:00 AM	08/22/2016	12/10/2016	TBA			
		Independent Study										
SON 2990000	G 12.50 200.00	Internship	SON 2990000									
James H Eastman					00:00 AM	00:00 AM	08/22/2016	12/10/2016	TBA			

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Speech</b>												
SPE 1050000	3.00 48.00	Fund of Speech	SPE 1050000									
Clay Horton		MW		12:00 PM	01:29 PM	08/22/2016	12/10/2016	CENT	ADM	206		
SPE 1050050	3.00 48.00	Fund of Speech	SPE 1050050									
Shawna Warner		F		08:00 AM	11:00 AM	09/06/2016	12/16/2016	IRESA				
SPE 1050051	3.00 48.00	Fund of Speech	SPE 1050051									
Shawna Warner		F		12:00 PM	03:00 PM	09/06/2016	12/16/2016	OSCOD				
SPE 1050060	3.00 48.00	Fund of Speech	SPE 1050060									
Scott McLean				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course										
SPE 1050061	3.00 48.00	Fund of Speech	SPE 1050061									
Scott McLean				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course										
SPE 1140000	3.00 48.00	CANCELED Interpersonal/Public	SPE 1140000									
TBA		MW		04:00 PM	05:29 PM	08/22/2016	12/10/2016	CENT	ADM	204		
SPE 1140000 M	3.00 48.00	ON HOLD Interpersonal/Public C	SPE 1140000 M									
TBA		T		05:00 PM	08:00 PM	08/22/2016	12/10/2016	GAYL	MTEC			
SPE 1140001	3.00 48.00	Intro to Interpersonal/Public Com	SPE 1140001									
Clay Horton		T		03:00 PM	05:59 PM	08/22/2016	12/10/2016	CENT	ADM	253		
SPE 1140060	3.00 48.00	Intro to Interpersonal/Public Com	SPE 1140060									
Amy Poteet				00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN				
		Online Course										

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Speech</b>													
SPE 1140080	G	3.00 48.00	CANCELED Intro to Interp/Public	SPE 1140080	G								
TBA					T	02:00 PM	03:29 PM	08/22/2016	12/10/2016	GRAY	HSC	2024	
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID Also meets 1.5 hours online each week													
SPE 1140080	M	3.00 48.00	CANCELED Interpersonal/Public	SPE 1140080	M								
TBA					M	03:30 PM	05:29 PM	08/22/2016	12/10/2016	GAYL	MTEC	103	
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID Also meets one hour online each week													
SPE 1140080	W	3.00 48.00	CANCELED Interpersonal/Public	SPE 1140080	W								
TBA					W	03:30 PM	05:29 PM	08/22/2016	12/10/2016	WB	WBRAN	101	
TBA						00:00 AM	00:00 AM	08/22/2016	12/10/2016	ONLIN			
HYBRID Also meets one hour online each week													

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Surgical Technology</b>													
SUR 1000000	G 3.00 48.00	Fundamentals of Surgical Technc	SUR 1000000	G	T	12:00 PM	02:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1406	
Nicole Claussen													
SUR 1030000	G 2.00 32.00	Surgical Pharmacology	SUR 1030000	G	R	09:00 AM	10:59 AM	08/22/2016	12/10/2016	GRAY	HSC	1406	
Nicole Claussen													
SUR 1040000	G 2.00 32.00	Basic Operative Procedures	SUR 1040000	G	R	12:00 PM	01:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1406	
Nicole Claussen													
SUR 1070000	G 5.00 160.00	Fundamental Surgical Technique:	SUR 1070000	G	MW	09:00 AM	01:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1406	
Nicole Claussen													
SUR 1080000	G 2.00 32.00	Surgical Terminology	SUR 1080000	G	MW	02:00 PM	02:59 PM	08/22/2016	12/10/2016	GRAY	HSC	1406	
Nicole Claussen													
SUR 1090000	G 2.00 32.00	Surgical Pathophysiology	SUR 1090000	G	T	09:00 AM	10:59 AM	08/22/2016	12/10/2016	GRAY	HSC	1406	
Nicole Claussen													

2016-2017 Fall Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>WorkForce Development</b>											
WFD 1240500	0.00 64.00	Recognition-Prior Train/Experien	WFD 1240500								
Thomas Grace		MFSU	08:00 AM	05:30 PM	08/12/2016	08/15/2016	WB	WBRAN			
WFD 1241600	0.00 4.00	Below 100	WFD 1241600								
Thomas Grace		F	09:00 AM	01:00 PM	10/21/2016	10/21/2016	CENT	ADM	110		
WFD 2506100	0.00 24.00	Speed Measurement Operator	WFD 2506100								
Thomas Grace		MTR	09:00 AM	05:30 PM	10/10/2016	10/14/2016	CENT	ADM	134		

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Welding</b>													
WLD 1040100	M	4.00 96.00	Material Science	WLD 1040100	M								
Jeffrey William Komondy			TR	02:00 PM	04:59 PM	08/22/2016	12/10/2016	GAYL	MTEC	111			
WLD 1040101	M	4.00 96.00	Material Science	WLD 1040101	M								
Michael Howard O'Neil			MW	12:30 PM	03:29 PM	08/22/2016	12/10/2016	GAYL	MTEC	111			
WLD 1050100	M	3.00 64.00	Welding Fabrication Level 1	WLD 1050100	M								
Jason Gabriel Brigham			MW	03:30 PM	04:29 PM	08/22/2016	12/10/2016	GAYL	MTEC	109			
Michael Howard O'Neil			MW	04:30 PM	05:29 PM	08/22/2016	12/10/2016	GAYL	MTEC				
WLD 1050101	M	3.00 64.00	Welding Fabrication Level 1	WLD 1050101	M								
David L Muladore			TR	05:00 PM	07:00 PM	08/22/2016	12/10/2016	GAYL	MTEC				
WLD 1100000	M	4.00 96.00	Welding Fundamentals	WLD 1100000	M								
Daron F Shimel			MW	09:30 AM	12:29 PM	08/22/2016	12/10/2016	GAYL	MTEC				
WLD 1100001	M	4.00 96.00	Welding Fundamentals	WLD 1100001	M								
David L Muladore			TR	07:00 PM	10:00 PM	08/22/2016	12/10/2016	GAYL	MTEC				
WLD 1100040		4.00 96.00	Welding Fundamentals	WLD 1100040									
Walter Donald Duggar			TR	00:00 AM	00:00 AM	09/06/2016	12/16/2016	CENT	CTC	111			
WLD 1100050	M	4.00 96.00	Welding Fundamentals	WLD 1100050	M								
Daron F Shimel			MTWR	07:30 AM	09:29 AM	09/06/2016	12/16/2016	GAYL	MTEC	105			

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Welding</u></b>													
WLD 1110100	M	1.00 24.00	GMAW, FCAW & SMAW x-Block	WLD 1110100	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	6:30-10:00pm	MW											
WLD 1110101	M	1.00 24.00	GMAW, FCAW & SMAW x-Block	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	9:30-12:59pm	TR											
WLD 1110102	M	1.00 24.00	GMAW, FCAW & SMAW x-Block	WLD 1110102	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	2:30-9:30pm	F											
WLD 1110200	M	1.00 24.00	GMAW, FCAW & SMAW-Horizon	WLD 1110100	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	6:30-10:00pm	MW											
WLD 1110201	M	1.00 24.00	GMAW, FCAW & SMAW-Horizon	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	9:30-12:59pm	TR											
WLD 1110202	M	1.00 24.00	GMAW, FCAW & SMAW-Horizon	WLD 1110102	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	2:30-9:30pm	F											
WLD 1110300	M	1.00 24.00	GMAW, FCAW & SMAW-Vertical	WLD 1110100	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	6:30-10:00pm	MW											
WLD 1110301	M	1.00 24.00	GMAW, FCAW & SMAW-Vertical	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	9:30-12:59pm	TR											
WLD 1110302	M	1.00 24.00	GMAW, FCAW & SMAW-Vertical	WLD 1110102	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	2:30-9:30pm	F											



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2016-2017 Fall Semester

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date				
<b>Welding</b>										
WLD 1110400	M 1.00 24.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110100	M						
Jason Gabriel Brigham			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	6:30-10:00pm	MW								
WLD 1110401	M 1.00 24.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110101	M						
Mark McCully			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	9:30-12:59pm	TR								
WLD 1110402	M 1.00 24.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110102	M						
Mark McCully			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	2:30-9:30pm	F								
WLD 1110500	M 1.00 24.00	WPQR Test-SMAW	WLD 1110100	M						
Jason Gabriel Brigham			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	6:30-10:00pm	MW								
WLD 1110501	M 1.00 24.00	WPQR Test-SMAW	WLD 1110101	M						
Mark McCully			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	9:30-12:59pm	TR								
WLD 1110502	M 1.00 24.00	WPQR Test-SMAW	WLD 1110102	M						
Mark McCully			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	2:30-9:30pm	F								
WLD 1120100	M 1.00 24.00	GMAW-Constant Voltage	WLD 1110100	M						
Jason Gabriel Brigham			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	6:30-10:00pm	MW								
WLD 1120101	M 1.00 24.00	GMAW-Constant Voltage	WLD 1110101	M						
Mark McCully			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	9:30-12:59pm	TR								
WLD 1120102	M 1.00 24.00	GMAW-Constant Voltage	WLD 1110102	M						
Mark McCully			00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	2:30-9:30pm	F								

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Welding</u></b>													
WLD 1120200	M	1.00	GMAW-Spray	WLD 1110100	M								
		24.00											
Jason Gabriel Brigham					00:00 AM	00:00 AM	08/22/2016	12/10/2016		GAYL	MTEC		
F17	6:30-10:00pm	MW											
WLD 1120201	M	1.00	GMAW-Spray	WLD 1110101	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016		GAYL	MTEC		
F17	9:30-12:59pm	TR											
WLD 1120202	M	1.00	GMAW-Spray	WLD 1110102	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016		GAYL	MTEC		
F17	2:30-9:30pm	F											
WLD 1120300	M	1.00	GMAW-Pulse	WLD 1110100	M								
		24.00											
Jason Gabriel Brigham					00:00 AM	00:00 AM	08/22/2016	12/10/2016		GAYL	MTEC		
F17	6:30-10:00pm	MW											
WLD 1120301	M	1.00	GMAW-Pulse	WLD 1110101	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016		GAYL	MTEC		
F17	9:30-12:59pm	TR											
WLD 1120302	M	1.00	GMAW-Pulse	WLD 1110102	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016		GAYL	MTEC		
F17	2:30-9:30pm	F											
WLD 1120400	M	1.00	GMAW-Aluminum	WLD 1110100	M								
		24.00											
Jason Gabriel Brigham					00:00 AM	00:00 AM	08/22/2016	12/10/2016		GAYL	MTEC		
F17	6:30-10:00pm	MW											
WLD 1120401	M	1.00	GMAW-Aluminum	WLD 1110101	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016		GAYL	MTEC		
F17	9:30-12:59pm	TR											
WLD 1120402	M	1.00	GMAW-Aluminum	WLD 1110102	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016		GAYL	MTEC		
F17	2:30-9:30pm	F											

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Welding</b>													
WLD 1120500	M	1.00 24.00	WPQR Test-GMAW	WLD 1110100	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	6:30-10:00pm	MW											
WLD 1120501	M	1.00 24.00	WPQR Test-GMAW	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	9:30-12:59pm	TR											
WLD 1120502	M	1.00 24.00	WPQR Test-GMAW	WLD 1110102	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	2:30-9:30pm	F											
WLD 1140000	M	1.00 16.00	Fabrication Blueprint Reading	WLD 1140000	M								
Jeffrey William Komondy					M	01:00 PM	01:59 PM	08/22/2016	12/10/2016	GAYL	MTEC		
WLD 2120100	M	1.00 24.00	GTAW-Flat	WLD 1110100	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	6:30-10:00pm	MW											
WLD 2120101	M	1.00 24.00	GTAW-Flat	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	9:30-12:59pm	TR											
WLD 2120102	M	1.00 24.00	GTAW-Flat	WLD 1110102	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	2:30-9:30pm	F											
WLD 2120200	M	1.00 24.00	GTAW-Horizontal	WLD 1110100	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	6:30-10:00pm	MW											
WLD 2120201	M	1.00 24.00	GTAW-Horizontal	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	9:30-12:59pm	TR											

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Welding</b>												
WLD 2120202	M	1.00 24.00	GTAW-Horizontal				WLD 1110102	M				
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	2:30-9:30pm	F									
WLD 2120300	M	1.00 24.00	GTAW-Vertical				WLD 1110100	M				
Jason Gabriel Brigham					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	6:30-10:00pm	MW									
WLD 2120301	M	1.00 24.00	GTAW-Vertical				WLD 1110101	M				
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	9:30-12:59pm	TR									
WLD 2120302	M	1.00 24.00	GTAW-Vertical				WLD 1110102	M				
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	2:30-9:30pm	F									
WLD 2120400	M	1.00 24.00	GTAW-Overhead				WLD 1110100	M				
Jason Gabriel Brigham					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	6:30-10:00pm	MW									
WLD 2120401	M	1.00 24.00	GTAW-Overhead				WLD 1110101	M				
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	9:30-12:59pm	TR									
WLD 2120402	M	1.00 24.00	GTAW-Overhead				WLD 1110102	M				
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	2:30-9:30pm	F									
WLD 2120500	M	1.00 24.00	WPQR Test-GTAW				WLD 1110100	M				
Jason Gabriel Brigham					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	6:30-10:00pm	MW									
WLD 2120501	M	1.00 24.00	WPQR Test-GTAW				WLD 1110101	M				
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	9:30-12:59pm	TR									

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Welding</b>												
WLD 2120502	M	1.00	WPQR Test-GTAW									
		24.00										
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17		2:30-9:30pm	F									
WLD 2130100	M	1.00	Flat & Horizontal Pipe Welding									
		24.00										
Jason Gabriel Brigham					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17		6:30-10:00pm	MW									
WLD 2130101	M	1.00	Flat & Horizontal Pipe Welding									
		24.00										
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17		9:30-12:59pm	TR									
WLD 2130102	M	1.00	Flat & Horizontal Pipe Welding									
		24.00										
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17		2:30-9:30pm	F									
WLD 2130200	M	1.00	5G-Up Pipe Welding									
		24.00										
Jason Gabriel Brigham					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17		6:30-10:00pm	MW									
WLD 2130201	M	1.00	5G-Up Pipe Welding									
		24.00										
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17		9:30-12:59pm	TR									
WLD 2130202	M	1.00	5G-Up Pipe Welding									
		24.00										
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17		2:30-9:30pm	F									
WLD 2130300	M	1.00	5G-Down Pipe Welding									
		24.00										
Jason Gabriel Brigham					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17		6:30-10:00pm	MW									
WLD 2130301	M	1.00	5G-Down Pipe Welding									
		24.00										
Mark McCully					00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17		9:30-12:59pm	TR									

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Welding</u></b>													
WLD 2130302	M	1.00 24.00	5G-Down Pipe Welding	WLD 1110102	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	2:30-9:30pm	F										
WLD 2130400	M	1.00 24.00	6G-Up Pipe Welding	WLD 1110100	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	6:30-10:00pm	MW										
WLD 2130401	M	1.00 24.00	6G-Up Pipe Welding	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	9:30-12:59pm	TR										
WLD 2130402	M	1.00 24.00	6G-Up Pipe Welding	WLD 1110102	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	2:30-9:30pm	F										
WLD 2130500	M	1.00 24.00	Pipe Fitting	WLD 1110100	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	6:30-10:00pm	MW										
WLD 2130501	M	1.00 24.00	Pipe Fitting	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	9:30-12:59pm	TR										
WLD 2130502	M	1.00 24.00	Pipe Fitting	WLD 1110102	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	2:30-9:30pm	F										
WLD 2140000	M	4.00 96.00	Welder Qualifications & Projects	WLD 1110100	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	6:30-10:00pm	MW										
WLD 2140001	M	4.00 96.00	Welder Qualification Testing	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
	F17	9:30-12:59pm	TR										

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2016-2017 Fall Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Welding</u></b>													
WLD 2140002	M	4.00 96.00	Welder Qualification Testing	WLD 1110102	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		
F17	2:30-9:30pm	F											
WLD 2150100	M	5.00 112.00	Welding Fabrication Level 2	WLD 2150100	M								
Mark McCully					TF	09:30 AM	12:59 PM	08/22/2016	12/10/2016	GAYL	MTEC		
WLD 2990000	M	3.00 48.00	Welding Internship	WLD 2990000	M								
Mark McCully						00:00 AM	00:00 AM	08/22/2016	12/10/2016	GAYL	MTEC		

# CAT Student Enrollment and Profile Report

## 2016-2017 - Winter Semester

**Headcount:** 1,501  
**Online Headcount:** 668  
**Total Credit Hours:** 11,922.20  
**Online Credit hours:** 4,101.00  
**Tuition hours:** 14,744.57  
**Contact hours:** 245,144.20

### Age Distribution:

24 and under:	876	58.36%
25 to 39:	431	28.71%
40 to 59:	171	11.39%
60 and over:	23	1.53%
Unknown:	0	.00%

### Credit Hour Load:

Non-credit	99	6.60%
>0 - 5.99	353	23.52%
6 - 8.99	384	25.58%
9 - 11.99	198	13.19%
>= 12	467	31.11%

### Student Status:

FTIAC	63	4.20%
Returning	1270	84.67%
New Transfer	68	4.53%
New Guest	4	.27%
New 8th Grade	0	.00%
New Dual Enrollment	35	2.33%
New Non Credit	60	4.00%
New CJ InService	0	.00%

### Gender:

Male:	636	42.37%
Female:	865	57.63%

### Breakdown by Subject Area (includes Concurrent):

Subject	Seatcount	Tuition Hours
ACC	49	196.00
ALH	82	281.00
ART	143	530.00
AST	49	142.00
AUT	132	699.00
BIO	251	1225.00
BUS	98	294.00
CAR	8	8.00
CEC	48	0
CHE	21	79.00
CIS	67	218.00
CJS	109	573.00
COR	101	63.06
COS	85	338.00
ECO	33	99.00
EDT	16	64.00
EDU	9	29.00
ELT	165	126.37
EMS	18	59.00
ENG	357	1080.00
GEL	23	115.00
GEO	41	164.00
HIS	73	219.00
HIT	72	317.00
HUM	19	57.00
HVC	104	82.16
MEC	91	352.70
MKT	37	111.00
MPT	18	78.00
MTH	317	1268.00
MUS	37	111.00
NUR	303	2800.50
OIS	6	18.00
PHB	11	126.50
PHL	35	105.00
PHM	22	66.00
PHY	17	43.00
PLB	5	3.28
POL	24	72.00
PSY	184	552.00
SOC	84	252.00
SON	79	401.50
SPE	97	291.00
SUR	52	234.00
WFD	78	0
WLD	326	801.50

**Totals: 3996 14744.57**

### Concurrent Enrollment - Section 40 by Subject

Subject	Seatcount	Tuition Hours
ALH	12	90.00
AUT	40	187.00
CJS	28	56.00
COS	14	56.00
ENG	31	93.00
MPT	5	30.00
SPE	17	51.00
WLD	9	27.00

**Totals: 156 590.00**





2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Accounting</b>											
ACC 1210060	4.00 64.00	Accounting Principles I			ACC 1210060						
Jason M Broge			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
ACC 1220060	4.00 64.00	CANCELED Accounting Principle			ACC 1220060						
Jane E Lange			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
ACC 1220061	4.00 64.00	Accounting Principles II			ACC 1220061						
Jason M Broge			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
ACC 1220080 W	4.00 64.00	CANCELED Accounting Principle			ACC 1220080 W						
Jane E Lange		R	03:00 PM	04:59 PM	01/09/2017	04/29/2017	WB	WBRAN	104		
Jane E Lange			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
HYBRID Also meets 2 Hours online each week											
ACC 1250060	4.00 64.00	Accounting with Quickbooks			ACC 1250060						
Erine Kaye Adams			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Allied Health</b>												
ALH 1010160	2.00 32.00	Medical Terminology	ALH 1010160									
Cristina Marie Eames					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
Online Course												
ALH 1010161	2.00 32.00	Medical Terminology	ALH 1010161									
Cristina Marie Eames					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
Online Course												
ALH 1040000 G	6.00 120.00	<b>CANCELED Nursing Assistant</b>	ALH 1040000 G									
Deborah A Worm				MW	05:30 PM	09:00 PM	01/09/2017	04/29/2017	GRAY	HSC	1408	
Deborah A Worm					00:00 AM	00:00 AM	01/09/2017	04/29/2017	TBA			
4 Saturday Clinical Dates - TBA												
ALH 1040001 G	6.00 120.00	Nursing Assistant	ALH 1040001 G									
Ruby Anne Katterman				F	08:00 AM	03:00 PM	01/09/2017	04/29/2017	GRAY	HSC	1408	
Ruby Anne Katterman					00:00 AM	00:00 AM	01/09/2017	04/29/2017	TBA			
4 Saturday Clinical Dates - TBA												
ALH 1040040	6.00 120.00	Nursing Assistant	ALH 1040040									
Colleen Mary Mick					00:00 AM	00:00 AM	01/23/2017	04/29/2017	CENT	CLC		
COOR Tues/Thurs 1:00-6:00pm												
ALH 1080160	3.00 48.00	Pathology w/Pharmacology	ALH 1080160									
Rhonda R Howard					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
Online Course												
ALH 1130060	3.00 48.00	Medical Ethics & Law	ALH 1130060									
Shane Talbot					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
Online Course												

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2016-2017 Winter Semester

Course	Credits	Title	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
<b>Art</b>											
ART 1010300	3.00 48.00	Art History II									
Scott T Rice			MW	04:00 PM	05:29 PM	01/09/2017	04/29/2017	CENT	ART	117	
ART 1050000	3.00 64.00	Intro to Design									
Scott T Rice			MW	10:00 AM	11:59 AM	01/09/2017	04/29/2017	CENT	ART	117	
ART 1060000	3.00 64.00	Fund of Drawing I									
Scott T Rice			MW	12:00 PM	01:59 PM	01/09/2017	04/29/2017	CENT	ART	121	
ART 1070000	3.00 64.00	Painting I									
Scott T Rice			TR	08:00 AM	09:59 AM	01/09/2017	04/29/2017	CENT	ART	105	
ART 1140000	3.00 64.00	Sculpture I									
Carrie Mae Gregg			TR	10:00 AM	11:59 AM	01/09/2017	04/29/2017	CENT	ART	114	
ART 1150000	3.00 64.00	Photography I									
Scott T Rice			TR	12:00 PM	01:59 PM	01/09/2017	04/29/2017	CENT	ART	117	
ART 1170060	3.00 48.00	Art Appreciation									
Carrie Mae Gregg				00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course									
ART 1700060	3.00 64.00	Graphic Studio									
Robert J Burger				00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course									
ART 1900060	3.00 64.00	Digital Communications									
Michael J Williams				00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course									

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Art</b>												
ART 2060020	3.00 64.00	Drawing II	ART 2060020									
Scott T Rice					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	ART	121	
		Winter Open Studio TR 10-12noon										
ART 2070020	3.00 64.00	Painting II	ART 2070020									
Scott T Rice					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	ART	105	
		Winter Open Studio TR 10-12noon										
ART 2110020	3.00 64.00	3-Dimensional Design	ART 2110020									
Scott T Rice					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	ART	114	
		Winter Open Studio TR 2-4pm										
ART 2500020	3.00 64.00	Illustration I	ART 2500020									
Scott T Rice					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	ART	121	
		Winter Open Studio MW 2-4pm										
ART 2753120	3.00 64.00	Rendering	ART 2753120									
Scott T Rice					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	ART	121	
		Winter Open Studio MW 2-4pm										
ART 2754560	3.00 64.00	Computer Generated Images I	ART 2754560									
Michael J Williams					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										
ART 2755060	3.00 64.00	CANCELED Digital Darkroom	ART 2755060									
TBA					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Independent Study										
ART 2755300	3.00 64.00	Adv Black & White Photography	ART 2755300									
Scott T Rice					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	ART		
ART 2757160	3.00 64.00	Computer Animation I	ART 2757160									
Alan O Barnes					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Art</b>											
ART 2760600	3.00 64.00	Digital Darkroom II	ART 2760600								
Scott T Rice			00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	ART			
ART 2800020	3.00 64.00	Portfolio I	ART 2800020								
Scott T Rice			00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	ART	121		
		Winter Open Studio TR 2-4pm									

2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Astronomy</u></b>													
AST 1020050	3.00 48.00	Exploration of Astronomy	AST 1020050										
Andrew Vandenheuv					00:00 AM	00:00 AM	01/23/2017	04/29/2017		IRESA			
		Online Course											
AST 1020051	3.00 48.00	Exploration of Astronomy	AST 1020050										
Andrew Vandenheuv					00:00 AM	00:00 AM	01/23/2017	04/29/2017		OSCOD			
		Online Course											
AST 1020060	3.00 48.00	Exploration of Astronomy	AST 1020060										
Andrew Vandenheuv					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
		Online Course											
AST 1020061	3.00 48.00	CANCELED Explo of Astronomy	AST 1020061										
Andrew Vandenheuv					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
		Online Course											
AST 1030060	1.00 32.00	Observational Astronomy	AST 1030060										
Andrew Vandenheuv					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
		Online Course											

2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Automotive</b>												
AUT 1610000	4.00 96.00	Engine Fundamentals & Overhaul	AUT 1610000	MW	08:00 AM	10:59 AM	01/09/2017	04/29/2017	CENT	CTC	100	
Robert E Oakes												
AUT 1620100	4.00 96.00	Fuel Systems & Emission Control	AUT 1620100	MW	12:00 PM	02:59 PM	01/09/2017	04/29/2017	CENT	CTC	100	
Robert E Oakes												
AUT 1640140	3.00 64.00	Basic Electricity	AUT 1640140		00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	102	
Jeremy Wayne Akin												
		COOR Tues/Thurs 1:00-6:00pm										
AUT 1640141	3.00 64.00	Basic Electricity	AUT 1640141	MTWRF	08:00 AM	09:51 AM	01/23/2017	04/29/2017	HL	HS		
Casey Swartz												
AUT 1640142	3.00 64.00	Basic Electricity	AUT 1640142		00:00 AM	00:00 AM	01/09/2017	04/29/2017	IRESA			
Jay Young												
AUT 1680100	4.00 96.00	Automotive Electrical Systems	AUT 1680100	MW	03:30 PM	06:30 PM	01/09/2017	04/29/2017	CENT	CTC	100	
Jeremy Wayne Akin												
AUT 1680140	4.00 96.00	Automotive Electrical Systems	AUT 1680140		00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	102	
Jeremy Wayne Akin												
		COOR Tues/Thurs 1:00-6:00pm										
AUT 1770340	4.00 96.00	Automotive Braking Systems	AUT 1770340		00:00 AM	00:00 AM	01/09/2017	04/29/2017	IRESA			
Jay Young												
AUT 2670000	4.00 96.00	Diesel Eng Performance & Diagnostics	AUT 2670000	TR	09:00 AM	11:59 AM	01/09/2017	04/29/2017	CENT	CTC	100	
Robert E Oakes												



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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Automotive</u></b>													
AUT 2700000	3.00 64.00	Heating & Air Conditioning	AUT 2700000										
Jeremy Wayne Akin					MW	07:00 PM	09:00 PM	01/09/2017	04/29/2017	CENT	CTC	100	
AUT 2790000	4.00 96.00	Manual Trans Drivelines/Rear Axl	AUT 2790000										
Dean Duane VanWormer					TR	01:00 PM	03:59 PM	01/09/2017	04/29/2017	CENT	CTC	100	
AUT 2990000	5.00 80.00	Automotive Internship	AUT 2990000										
Robert E Oakes						00:00 AM	00:00 AM	01/09/2017	04/29/2017	TBA			

2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Biology</b>													
BIO 1010000	G 4.00 80.00	General Biology	BIO 1010000	G									
Amy M Kuczynski		MW	12:00 PM	02:29 PM	01/09/2017	04/29/2017	GRAY	HSC	2019				
BIO 1010001	G 4.00 80.00	General Biology	BIO 1010001	G									
Amy M Kuczynski		TR	02:30 PM	04:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2019				
BIO 1070000	G 4.00 80.00	ON HOLD Essentials of A & P	BIO 1070000	G									
TBA		TR	09:00 AM	11:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2019				
BIO 1070060	4.00 80.00	Essentials of Anatomy & Physiolo	BIO 1070060										
Amy M Kuczynski			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN						
		Online Course											
BIO 2000060	3.00 48.00	Fundamentals of Nutrition	BIO 2000060										
Julie Ann Lavender			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN						
		Online Course											
BIO 2100000	G 4.00 80.00	CANCELED Microbiology	BIO 2100000	G									
Amy M Kuczynski		MW	05:00 PM	07:30 PM	01/09/2017	04/29/2017	GRAY	HSC	2019				
BIO 2100001	G 4.00 80.00	ON HOLD Microbiology	BIO 2100001	G									
TBA			00:00 AM	00:00 AM	01/09/2017	04/29/2017	GRAY	HSC	2019				
BIO 2500000	G 4.00 80.00	Human Anatomy	BIO 2500000	G									
James Alan Krellwitz		MW	03:00 PM	05:29 PM	01/09/2017	04/29/2017	GRAY	HSC	2015				
BIO 2500001	G 4.00 80.00	Human Anatomy	BIO 2500001	G									
Jeff Burke		TR	10:00 AM	12:29 PM	01/09/2017	04/29/2017	GRAY	HSC	2015				

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Biology</b>													
BIO 2500060	4.00 80.00	Human Anatomy	BIO 2500060										
Scott A McAlindon					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
BIO 2500061	4.00 80.00	Human Anatomy	BIO 2500061										
James Alan Krellwitz					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
BIO 2500062	4.00 80.00	ON HOLD Human Anatomy	BIO 2500062										
TBA					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
BIO 2510000 G	4.00 80.00	Human Physiology	BIO 2510000 G										
Jeff Burke		MW			06:00 PM	08:30 PM	01/09/2017	04/29/2017		GRAY	HSC	2015	
BIO 2510001 G	4.00 80.00	Human Physiology	BIO 2510001 G										
David C Green		TR			01:30 PM	03:59 PM	01/09/2017	04/29/2017		GRAY	HSC	2015	
BIO 2510060	4.00 80.00	Human Physiology	BIO 2510060										
David C Green					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
BIO 2510061	4.00 80.00	Human Physiology	BIO 2510061										
David C Green					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Business</b>													
BUS 1010060	3.00 48.00	Intro to Business	BUS 1010060										
Jane E Lange					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
BUS 1010061	3.00 48.00	Intro to Business	BUS 1010061										
Jane E Lange					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
BUS 1010080 W	3.00 48.00	Intro to Business	BUS 1010080 W										
Jane E Lange		R			06:00 PM	08:00 PM	01/09/2017	04/29/2017		WB	WBRAN	101	
Jane E Lange					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
HYBRID Also meets one hour online each week													
BUS 1080060	3.00 48.00	Personal Financial Planning	BUS 1080060										
Jane E Lange					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
BUS 2100060	3.00 48.00	Prin of Management	BUS 2100060										
Jane E Lange					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
BUS 2150060	3.00 48.00	Business Law	BUS 2150060										
Erine Kaye Adams					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Independent Study													
BUS 2450060	3.00 48.00	Human Resource Management	BUS 2450060										
Jason M Broge					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Business</b>													
BUS 2990080	3.00	Internship in Business & Marketir	BUS 2990080										
	48.00												
Erine Kaye Adams					00:00 AM	00:00 AM	01/09/2017	04/29/2017					
		Placement must be determined before semester begins.			00:00 AM	00:00 AM	01/09/2017	04/29/2017					
		This course consists of online work and on-the-job training.			00:00 AM	00:00 AM	01/09/2017	04/29/2017					
		Independent Study											

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Capstone</b>													
CAP 2990100	M	1.00	Internship/Service Learning	CAP 2990100	M								
Alan A Mabarak	24.00					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
CAP 2990200	M	2.00	Internship/Service Learning	CAP 2990200	M								
Alan A Mabarak	48.00					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
CAP 2990300	M	3.00	Internship/Service Learning	CAP 2990300	M								
Alan A Mabarak	72.00					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
CAP 2990400	M	4.00	Internship/Service Learning	CAP 2990400	M								
Alan A Mabarak	96.00					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Career &amp; Personal Devel</b>											
CAR 1060050	1.00	College and Career Exploration									
	16.00										
Luann Kay Mabarak		F	12:35 PM	02:05 PM	02/10/2017	05/05/2017	VANDE				

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Cont Education - Non-Cr</b>												
CEC 1112000	0.00 18.00	The Art of Ceramics for Adults	CEC 1112000									
Clay Horton				T	01:00 PM	04:00 PM	03/21/2017	04/25/2017	CENT	ART		
CEC 1171501 G	0.00 3.00	CPR	CEC 1171501 G									
Joseph Rubino				M	06:00 PM	09:00 PM	01/09/2017	01/09/2017	GRAY	HSC	1434	
CEC 1171502 G	0.00 3.00	CPR	CEC 1171502 G									
Joseph Rubino				M	06:00 PM	09:00 PM	02/13/2017	02/13/2017	GRAY	HSC	1434	
CEC 1171503 G	0.00 3.00	CANCELED COURSE - CPR	CEC 1171503 G									
Joseph Rubino				M	06:00 PM	09:00 PM	03/13/2017	03/13/2017	GRAY	HSC	1434	
CEC 1171504 G	0.00 3.00	CPR	CEC 1171504 G									
Joseph Rubino				M	06:00 PM	09:00 PM	04/10/2017	04/10/2017	GRAY	HSC	1434	
CEC 1221600	0.00 9.00	Advanced Excel	CEC 1221600									
Clay Horton				R	01:00 PM	04:00 PM	04/13/2017	04/28/2017	GRAY			
CEC 1223700 G	0.00 18.00	Computers w/Windows 10 for Adi	CEC 1223700 G									
Clay Horton				R	06:00 PM	09:00 PM	03/13/2017	04/17/2017	GRAY	HSC	1408	
CEC 1240000	0.00 12.00	Home Safety Firearms	CEC 1240000									
Thomas Grace					00:00 AM	00:00 AM	03/03/2017	03/04/2017	CENT	ADM		
CEC 1240800 G	0.00 16.00	EMT Continuing Education Week	CEC 1240800 G									
Joseph Rubino				SU	09:00 AM	05:30 PM	02/18/2017	02/19/2017	GRAY	HSC		



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2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Cont Education - Non-Cr</b>											
CEC 1240900 G	0.00 8.00	EMT Sunday Training			CEC 1240900 G						
Joseph Rubino		U	09:00 AM	05:30 PM	02/19/2017	02/19/2017	GRAY	HSC			
CEC 1241000 G	0.00 8.00	EMT 8 Hour Saturday			CEC 1241000 G						
Joseph Rubino		S	09:00 AM	05:30 PM	02/18/2017	02/18/2017	GRAY	HSC			

2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Chemistry</b>													
CHE 1000000	G 4.00 80.00	Chemical Science	CHE 1000000	G									
Anne M Hauser		TR	09:00 AM	10:29 AM	01/09/2017	04/29/2017	GRAY	HSC	2016				
Anne M Hauser		T	11:00 AM	12:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2016				
CHE 1020100	G 4.00 64.00	General Chemistry II	CHE 1020100	G									
Anne M Hauser		MW	01:00 PM	02:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2016				
CHE 1020200	G 1.00 48.00	General Chemistry II Lab	CHE 1020200	G									
Anne M Hauser		M	03:00 PM	05:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2016				
CHE 1040000	G 4.00 80.00	<b>CANCELED Chemistry for Health</b>	CHE 1040000	G									
Anne M Hauser		TR	02:00 PM	03:29 PM	01/09/2017	04/29/2017	GRAY	HSC	2016				
Anne M Hauser		T	04:00 PM	05:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2016				

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Computer Information S</b>												
CIS 1050000	3.00 48.00	<b>CANCELED</b> Intro to Computers	CIS 1050000									
Donald E Wray				MW	11:00 AM	12:29 PM	01/09/2017	04/29/2017	CENT	ADM	205	
CIS 1050000 G	3.00 48.00	<b>CANCELED</b> Intro to Computers	CIS 1050000 G									
Donald E Wray				TR	08:30 AM	09:59 AM	01/09/2017	04/29/2017	GRAY	HSC	1434	
CIS 1050001	3.00 48.00	<b>ON HOLD</b> Intro to Computers	CIS 1050001									
TBA				TR	01:30 PM	02:59 PM	01/09/2017	04/29/2017	CENT	ADM	205	
CIS 1050060	3.00 48.00	Intro to Computers	CIS 1050060									
Bobbette Ross					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										
CIS 1050061	3.00 48.00	Intro to Computers	CIS 1050061									
Donald E Wray					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										
CIS 1050062	3.00 48.00	<b>ON HOLD</b> Intro to Computers	CIS 1050062									
TBA					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										
CIS 2150060	3.00 48.00	<b>CANCELED</b> Web Anima/Multime	CIS 2150060									
Alan O Barnes					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Independent Study										
CIS 2240060	2.00 32.00	<b>CANCELED</b> UNIX	CIS 2240060									
Denise Marie Farmer					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Independent Study										
CIS 2250060	3.00 48.00	Spreadsheets	CIS 2250060									
Denise Marie Farmer					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										

2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Computer Information Systems</b>											
CIS 2350160	3.00 64.00	Database Design	CIS 2350160								
Niyamul Haq			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
CIS 2350161	3.00 64.00	ON HOLD Database Design	CIS 2350161								
TBA			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
CIS 2710160	4.00 64.00	Programming II	CIS 2710160								
Denise Marie Farmer			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Criminal Justice</b>												
CJS 1000000	3.00 48.00	Intro to Criminal Justice	CJS 1000000									
Duane Ward Bean		R		06:00 PM	09:00 PM	01/09/2017	04/29/2017	CENT	ADM	204		
CJS 1020000	3.00 64.00	Physical Training I	CJS 1020000									
Lloyd Glenn Gutierrez		TR		05:00 PM	07:00 PM	01/09/2017	04/29/2017	CENT	ADM	114		
CJS 1100000	1.00 16.00	CANCELED Careers in Emerg S	CJS 1100000									
Duane Ward Bean		R		05:00 PM	05:59 PM	01/09/2017	04/29/2017	CENT	ADM	204		
CJS 1100040	1.00 16.00	Careers in Emergency Services	CJS 1100040									
Benjamin Michael Lowe				00:00 AM	00:00 AM	01/23/2017	04/29/2017	CENT	CLC			
		COOR Tues/Thurs 1:00-6:00pm										
CJS 1130000	1.00 32.00	Intro to Fitness Training	CJS 1020000									
Lloyd Glenn Gutierrez		TR		04:00 PM	04:59 PM	01/09/2017	04/29/2017	CENT	ADM	114		
CJS 1140000	3.00 48.00	Juvenile Justice	CJS 1140000									
Jeffrey L Erickson		T		06:00 PM	09:00 PM	01/09/2017	04/29/2017	CENT	ADM	204		
CJS 1140040	3.00 48.00	Juvenile Justice	CJS 1140040									
Benjamin Michael Lowe				00:00 AM	00:00 AM	01/23/2017	04/29/2017	CENT	CLC			
		COOR Tues/Thurs 1:00-6:00pm										
CJS 2400000	3.00 48.00	Criminology	CJS 2400000									
Charles H Hinman		M		12:00 PM	02:59 PM	01/09/2017	04/29/2017	CENT	ADM	251-2		
CJS 2450000	3.00 48.00	Social Deviant Behavior	CJS 2450000									
Charles H Hinman		M		03:00 PM	05:59 PM	01/09/2017	04/29/2017	CENT	ADM	251-2		

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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Criminal Justice</u></b>											
CJS 2660000	21.00 672.00	Police Academy			CJS 2660000						
Thomas Grace		MTWRF	12:00 PM	09:30 PM	01/09/2017	05/05/2017	CENT	ADM	133		
CJS 2990000	3.00 48.00	Criminal Justice Internship			CJS 2990000						
Thomas Grace		M	11:00 AM	11:59 AM	01/09/2017	04/29/2017	CENT	ADM	105		
		Independent Study									

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Core Construction</b>												
COR 1000100	M	0.50 12.50	Basic Safety									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
COR 1000200	M	0.40 10.00	Introduction to Construction Math									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
COR 1000300	M	0.40 10.00	Introduction to Hand Tools									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
COR 1000400	M	0.40 10.00	Introduction to Power Tools									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
COR 1000500	M	0.40 10.00	Intro to Construction Drawings									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
COR 1000600	M	0.60 15.00	Basic Rigging									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
COR 1000700	M	0.30 7.50	Basic Communication Skills									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
COR 1000800	M	0.30 7.50	Basic Employability Skills									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
COR 1000900	M	0.20 5.00	Intro to Materials Handling									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Cosmetology</u></b>													
COS 1210000	2.50 64.00	Cosmetology I	COS 1210000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1220000	2.50 64.00	Cosmetology II	COS 1220000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1220040	2.50 64.00	Cosmetology II	COS 1220040										
Robin Winton						00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	105/6	
		COOR Tues/Thurs 1:00-6:00pm											
COS 1230000	2.50 64.00	Cosmetology III	COS 1230000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1230040	2.50 64.00	Cosmetology III	COS 1230040										
Robin Winton						00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	105/6	
		COOR Tues/Thurs 1:00-6:00pm											
COS 1240000	2.50 64.00	Cosmetology IV	COS 1240000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1250000	2.50 64.00	Cosmetology V	COS 1250000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1260000	2.50 64.00	Cosmetology VI	COS 1260000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1270000	2.50 64.00	Cosmetology VII	COS 1270000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											



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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Cosmetology</b>													
COS 1280000	2.50 64.00	Cosmetology VIII	COS 1280000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1290000	2.50 64.00	Cosmetology IX	COS 1290000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1300000	2.50 64.00	Cosmetology X	COS 1300000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1310000	2.50 64.00	Cosmetology XI	COS 1310000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1320000	2.50 64.00	Cosmetology XII	COS 1320000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1330000	2.50 64.00	Cosmetology XIII	COS 1330000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1340000	2.50 64.00	Cosmetology XIV	COS 1340000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1350000	2.50 64.00	Cosmetology XV	COS 1350000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1360000	2.50 64.00	Cosmetology XVI	COS 1360000										
Shannon Weaver						00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Cosmetology</b>												
COS 1410000	2.50 80.00	Skin Care I	COS 1410000									
Shannon Weaver					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF CTC-107										
COS 1420000	2.50 80.00	Skin Care II	COS 1420000									
Shannon Weaver					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF CTC-107										
COS 1430000	2.50 80.00	Skin Care III	COS 1430000									
Shannon Weaver					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF CTC-107										
COS 1440000	2.50 80.00	Skin Care IV	COS 1440000									
Shannon Weaver					00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF CTC-107										
COS 1750060	1.00 16.00	Salon Management	COS 1750060									
Shannon Weaver					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										

2016-2017 Winter Semester

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date				
<b>Economics</b>										
ECO 2020060	3.00 48.00	Prin of Economics-MICRO			ECO 2020060					
James Czarski			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
Online Course										
ECO 2020061	3.00 48.00	Prin of Economics-MICRO			ECO 2020061					
James Czarski			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
Online Course										
ECO 2020080 W	3.00 48.00	CANCELED Prin of Economics-N			ECO 2020080 W					
James Czarski			R	01:00 PM	02:29 PM	01/09/2017	04/29/2017	WB	WBRAN	104
James Czarski			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
HYBRID Also meets 1.5 hours online each week										

2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Engineering Design Tech</b>													
EDT 1300000	M	3.00	Fundamentals of MasterCAM	EDT 1300000	M								
		64.00											
Kyle James Sisco					R	05:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	107B	
EDT 1400000	M	4.00	Architectural Drafting/CAD	EDT 1400000	M								
		64.00											
Gary B Sidebottom					M	05:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	107B	

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Education</b>											
EDU 1000080 G	3.00 48.00	Intro to Teaching			EDU 1000080 G						
Christopher Robbin Sura		T	04:00 PM	05:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2024		
Christopher Robbin Sura			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
HYBRID Also meets one hour online each week											

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 1010100	M	0.10 2.50	Orientation to the Electrical Trade	ELT 1010100	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1010200	M	0.40 10.00	Electrical Safety	ELT 1010200	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1010300	M	0.30 7.50	Introduction to Electrical Circuits	ELT 1010300	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1010400	M	0.30 7.50	Electrical Theory	ELT 1010400	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1010500	M	0.30 7.50	Intro to the NEC	ELT 1010500	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1010600	M	0.40 10.00	Device Boxes	ELT 1010600	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1010700	M	0.40 10.00	Hand Bending	ELT 1010700	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1010800	M	0.80 20.00	Raceways and Fittings	ELT 1010800	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1010900	M	0.40 10.00	Conductors and Cables	ELT 1010900	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 1011000	M	0.30	Basic ELT Construction Drawings	ELT 1011000	M								
		7.50											
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1011100	M	0.60	Residential Electric Services	ELT 1011100	M								
		15.00											
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1011200	M	0.20	Electrical Test Equipment	ELT 1011200	M								
		5.00											
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1020200	M	0.70	Alternating Current	ELT 1020200	M								
		17.50											
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1020300	M	0.80	Motors: Theory and Application	ELT 1020300	M								
		20.00											
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1020400	M	0.60	Electrical Lighting	ELT 1020400	M								
		15.00											
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1020500	M	0.60	Conduit Bending	ELT 1020500	M								
		15.00											
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1020600	M	0.50	Pull and Junction Boxes	ELT 1020600	M								
		12.50											
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													
ELT 1020700	M	0.40	Conductor Installations	ELT 1020700	M								
		10.00											
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm													

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Electrical Technology</b>												
ELT 1020800	M	0.30 7.50	Cable Tray				ELT 1020800	M				
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 1020900	M	0.30 7.50	Conductor Terminations and Splik				ELT 1020900	M				
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 1021000	M	0.60 15.00	Grounding and Bonding				ELT 1021000	M				
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 1021100	M	0.50 12.50	Circuit Breakers and Fuses				ELT 1021100	M				
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 1021200	M	0.50 12.50	Control System and Concepts				ELT 1021200	M				
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 2030300	M	0.70 17.50	Load Calculations - Branch Circu				ELT 2030300	M				
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 2030400	M	0.60 15.00	Conductor Selection and Calcula				ELT 2030400	M				
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 2030500	M	0.50 12.50	Practical Applications of Lighting				ELT 2030500	M				
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 2030600	M	0.60 15.00	Hazardous Locations				ELT 2030600	M				
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												



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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Electrical Technology</b>												
ELT 2030700	M 1.00 25.00	Overcurrent Protection	ELT 2030700									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2030800	M 0.50 12.50	Distribution Equipment	ELT 2030800									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2030900	M 0.50 12.50	Transformers	ELT 2030900									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2031000	M 0.40 10.00	Commercial Electrical Services	ELT 2031000									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2031100	M 0.50 12.50	Motor Calculations	ELT 2031100									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2031200	M 0.40 10.00	Voice, Data, and Video	ELT 2031200									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2031300	M 0.50 12.50	Motor Controls	ELT 2031300									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2031350	M 0.50 12.50	Motor Controls	ELT 2031350									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		MTWR 12:39 - 2:40PM										
ELT 2040400	M 0.80 20.00	Load Calculations - Feeder and S	ELT 2040400									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Electrical Technology</b>												
ELT 2040500	M 0.40 10.00	Health Care Facilities	ELT 2040500									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2040600	M 0.40 10.00	Standby and Emergency System:	ELT 2040600									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2040700	M 0.40 10.00	Basic Electronic Theory	ELT 2040700									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2040800	M 0.60 15.00	Fire Alarm Systems	ELT 2040800									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2040900	M 0.40 10.00	Specialty Transformers	ELT 2040900									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2041000	M 0.80 20.00	Advanced Motor Controls	ELT 2041000									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2041100	M 0.60 15.00	HVAC Controls	ELT 2041100									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2041200	M 0.40 10.00	Heat Tracing and Freeze Protecti	ELT 2041200									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										
ELT 2041300	M 0.40 10.00	Motor Operation and Maintenanc	ELT 2041300									
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm										

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Electrical Technology</b>												
ELT 2041400	M	0.40 10.00	Medium Voltage Termination/Spli	ELT 2041400	M							
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 2041500	M	0.80 20.00	Special Locations	ELT 2041500	M							
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 2041600	M	0.60 15.00	Introductory Skills for Crew Lead	ELT 2041600	M							
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												
ELT 2041800	M	0.60 15.00	Michigan Laws & Rules	ELT 2041800	M							
Alan A Mabarak					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wed 8-12 noon & Wed/Thurs 5-9:00pm												

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Emergency Medical Serv</u></b>													
EMS 1010050	M	1.00	Clinical I	EMS 1010050	M								
		48.00											
Michael Czykoski					MTWR	10:00 AM	11:59 AM	01/09/2017	04/29/2017	GAYL	MTEC		
EMS 2000000	G	4.00	Intro to Emergency Medicine	EMS 2000000	G								
		64.00											
Joseph Rubino					MW	09:00 AM	10:59 AM	01/09/2017	04/29/2017	GRAY	HSC	1434	
EMS 2010000	G	3.00	Pharmacology	EMS 2010000	G								
		56.00											
Joseph Rubino					MW	11:00 AM	12:45 AM	01/09/2017	04/29/2017	GRAY	HSC	1434	
EMS 2020000	G	2.50	Patient Assessment	EMS 2020000	G								
		44.00											
Joseph Rubino					MW	01:00 PM	02:22 PM	01/09/2017	04/29/2017	GRAY	HSC	1434	

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>English &amp; Literature</b>													
ENG 0981000	1.00 16.00	Fundamental Reading & Writing	ENG 0981000										
Courtney Hornof					TR	00:00 AM	00:00 AM	01/09/2017	04/29/2017	CENT	ADM	110	
Independent Study													
ENG 0981000 G	1.00 16.00	Fundamental Reading & Writing	ENG 0981000 G										
Courtney Hornof					MW	00:00 AM	00:00 AM	01/09/2017	04/29/2017	GRAY	HSC		
Independent Study													
ENG 0981000 M	1.00 16.00	Fundamental Reading & Writing	ENG 0981000 M										
Barbara R Hunter					MW	00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Independent Study													
ENG 0992000	4.00 64.00	College Reading & Writing	ENG 0992000										
Courtney Hornof					TR	01:00 PM	02:59 PM	01/09/2017	04/29/2017	CENT	ADM	110	
ENG 0992000 G	4.00 64.00	College Reading & Writing	ENG 0992000 G										
Courtney Hornof					MW	12:00 PM	01:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1408	
ENG 0992000 M	4.00 64.00	College Reading & Writing	ENG 0992000 M										
Barbara R Hunter					MW	04:00 PM	05:59 PM	01/09/2017	04/29/2017	GAYL	MTEC	103	
ENG 1030300	3.00 48.00	English Composition I	ENG 1030300										
Courtney Hornof					MW	08:30 AM	09:59 AM	01/09/2017	04/29/2017	CENT	ADM	110	
ENG 1030300 G	3.00 48.00	English Composition I	ENG 1030300 G										
Carol Godfrey Finke					MW	04:00 PM	05:29 PM	01/09/2017	04/29/2017	GRAY	HSC	1406	
ENG 1030300 M	3.00 48.00	English Composition I	ENG 1030300 M										
Carol Godfrey Finke					MW	10:00 AM	11:29 AM	01/09/2017	04/29/2017	GAYL	MTEC	107A	

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>English &amp; Literature</b>												
ENG 1030300	W 3.00 48.00	English Composition I	ENG 1030300 W									
Mary Ann Kost		T		06:00 PM	09:00 PM	01/09/2017	04/29/2017	WB	WBRAN	101		
ENG 1030301	3.00 48.00	English Composition I	ENG 1030301									
Jon F Thompson		TR		01:00 PM	02:29 PM	01/09/2017	04/29/2017	CENT	ADM	253		
ENG 1030301	G 3.00 48.00	English Composition I	ENG 1030301 G									
Carol Godfrey Finke		M		06:00 PM	09:00 PM	01/09/2017	04/29/2017	GRAY	HSC	1406		
ENG 1030360	3.00 48.00	English Composition I	ENG 1030360									
Courtney Hornof				00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course										
ENG 1030361	3.00 48.00	English Composition I	ENG 1030361									
Jon F Thompson				00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course										
ENG 1030362	3.00 48.00	ON HOLD English Comp I	ENG 1030362									
Courtney Hornof				00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course										
ENG 1040300	3.00 48.00	English Composition II	ENG 1040300									
Carol Godfrey Finke		MW		12:30 PM	01:59 PM	01/09/2017	04/29/2017	CENT	ADM	110		
ENG 1040300	G 3.00 48.00	English Composition II	ENG 1040300 G									
Jon F Thompson		MW		08:30 AM	09:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2010		
ENG 1040301	3.00 48.00	English Composition II	ENG 1040301									
Carol Godfrey Finke		TR		02:00 PM	03:29 PM	01/09/2017	04/29/2017	CENT	ADM	105		

2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>English &amp; Literature</b>												
ENG 1040301	G 3.00 48.00	CANCELED English Comp II	ENG 1040301									
Carol Godfrey Finke				W	06:00 PM	09:00 PM	01/09/2017	04/29/2017	GRAY	HSC	1406	
ENG 1040340	3.00 48.00	English Composition II	ENG 1040340									
Christina Young				MTWRF	08:53 AM	09:51 AM	01/23/2017	04/29/2017	RHS			
ENG 1040350	3.00 48.00	English Composition II	ENG 1040350									
Sarah E Peterson				R	08:30 AM	10:30 AM	01/23/2017	04/29/2017	IRESA			
ENG 1040351	3.00 48.00	English Composition II	ENG 1040351									
Trisha L Winn				R	01:00 PM	03:00 PM	01/23/2017	04/29/2017	OSCOD			
ENG 1040360	3.00 48.00	English Composition II	ENG 1040360									
Jon F Thompson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										
ENG 1040361	3.00 48.00	English Composition II	ENG 1040361									
Frederic Giacobazzi					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										
ENG 1040362	3.00 48.00	English Composition II	ENG 1040362									
Frederic Giacobazzi					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										
ENG 1040363	3.00 48.00	ON HOLD Eng Composition II	ENG 1040363									
Jon F Thompson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course										
ENG 1180000	M 3.00 48.00	CANCELED Technical & Prof Wri	ENG 1180000									
Frederic Giacobazzi				R	06:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	107A	

2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>English &amp; Literature</b>													
ENG 1180060	3.00 48.00	Intro Technical & Prof Writing	ENG 1180060										
Frederic Giacobazzi						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
ENG 2140060	3.00 48.00	Intro to Literature	ENG 2140060										
Frederic Giacobazzi						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
ENG 2140061	3.00 48.00	ON HOLD Intro to Literature	ENG 2140061										
Frederic Giacobazzi						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											



2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Fire Fighter</u></b>											
FFT 2070000	14.00 224.00	Firefighter I & II	FFT 2070000								
Thomas Grace		MW	06:00 PM	09:00 PM	01/09/2017	04/29/2017	CENT	ADM	110		
Thomas Grace		S	10:00 AM	01:59 PM	01/09/2017	04/29/2017	CENT	ADM	110		

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Geology</b>											
GEL 2300060	4.00	Prehistoric Life	GEL 2300060								
	80.00										
Anne M Hauser			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											

2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Geography</u></b>											
GEO 1000000	4.00 64.00	World Geography	GEO 1000000								
Dale Shantz		TR	04:00 PM	05:59 PM	01/09/2017	04/29/2017	CENT	ADM	206		
GEO 1000060	4.00 64.00	World Geography	GEO 1000060								
Sinan Toprak			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course									
GEO 1000061	4.00 64.00	World Geography	GEO 1000061								
Sinan Toprak			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course									

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>History</b>													
HIS 1050000	3.00 48.00	History of World Soc to 1500	HIS 1050000										
John R Thiel				MW	01:00 PM	02:29 PM	01/09/2017	04/29/2017	CENT	ADM	253		
HIS 2010060	3.00 48.00	United States History to 1865	HIS 2010060										
John R Thiel					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course											
HIS 2020000	3.00 48.00	CANCELED US History Since 18	HIS 2020000										
John R Thiel				MW	02:30 PM	03:59 PM	01/09/2017	04/29/2017	CENT	ADM	204		
HIS 2040000 G	3.00 48.00	The American Civil War	HIS 2040000 G										
John R Thiel				TR	12:00 PM	01:29 PM	01/09/2017	04/29/2017	GRAY	HSC	2024		
HIS 2040050	3.00 48.00	The American Civil War	HIS 2040050										
John R Thiel				F	08:30 AM	10:30 AM	01/23/2017	04/29/2017	IRESA				
HIS 2040051	3.00 48.00	The American Civil War	HIS 2040051										
John R Thiel				F	01:00 PM	03:00 PM	01/23/2017	04/29/2017	OSCOD				

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
HIT 1060060	3.00 48.00	Intro-Health Information Manager	HIT 1060060										
Deborah A Bebow						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
HIT 2000060	3.00 80.00	Intro to Electronic Health Record	HIT 2000060										
Deborah A Bebow						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
HIT 2130160	4.00 64.00	Diagnostic Coding	HIT 2130160										
Deborah A Bebow						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
HIT 2160160	4.00 64.00	Procedure Coding	HIT 2160160										
Deborah A Bebow						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
HIT 2300160	4.00 64.00	Health Statistics & Quality Improv	HIT 2300160										
Jennifer Talbot						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
HIT 2310260	4.00 96.00	Health Information Management	HIT 2310260										
Jennifer Talbot						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
HIT 2320060	3.00 80.00	Health Data Content & Structure	HIT 2320060										
Jennifer Talbot						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
HIT 2330160	4.00 96.00	Revenue Cycle & Reimbursemen	HIT 2330160										
Jennifer Talbot						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
HIT 2990160	4.00 64.00	Practicum-Health Info Technology	HIT 2990160										
Jennifer Talbot						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											

2016-2017 Winter Semester

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date				
<b>Health Information Techn</b>										
HIT 2990260	4.00	CANCELED Practicum-Med Cod	HIT 2990260							
	64.00									
Deborah A Bebow			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
Online Course										

2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Humanities</b>											
HUM 2050000 G	3.00 48.00	The Individual and Society	HUM 2050000 G								
John R Thiel		TR	01:30 PM	02:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2024		
HUM 2050050	3.00 48.00	CANCELED The Individual and S	HUM 2050050								
John R Thiel		MTR	07:50 AM	08:48 AM	01/23/2017	04/29/2017	RHS				
HUM 2050060	3.00 48.00	ON HOLD The Individual and Soc	HUM 2050060								
John R Thiel			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course									
HUM 2050061	3.00 48.00	ON HOLD The Individual and Soc	HUM 2050061								
TBA			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course									

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 1013000	M 1.00 16.00	CANCELED EPA Refrigerant Cer	HVC 1013000									
Clark Allan Dowker				FS	12:00 PM	08:00 PM	03/17/2017	03/18/2017	GAYL		MTEC	
HVC 1110000	M 0.30 7.50	Introduction to HVAC	HVC 1110000									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL		MTEC	
		Open Lab Wednesday 5-9:00pm										
HVC 1110100	M 0.40 10.00	Trade Mathematics	HVC 1110100									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL		MTEC	
		Open Lab Wednesday 5-9:00pm										
HVC 1110200	M 0.50 12.50	Basic Electricity	HVC 1110200									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL		MTEC	
		Open Lab Wednesday 5-9:00pm										
HVC 1110300	M 0.60 15.00	Introduction to Heating	HVC 1110300									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL		MTEC	
		Open Lab Wednesday 5-9:00pm										
HVC 1110400	M 1.20 30.00	Introduction to Cooling	HVC 1110400									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL		MTEC	
		Open Lab Wednesday 5-9:00pm										
HVC 1110500	M 0.60 15.00	Intro to Air Distribution Systems	HVC 1110500									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL		MTEC	
		Open Lab Wednesday 5-9:00pm										
HVC 1110600	M 0.40 10.00	Basic Copper & Plastic Piping Pr	HVC 1110600									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL		MTEC	
		Open Lab Wednesday 5-9:00pm										
HVC 1110700	M 0.40 10.00	Soldering & Brazing	HVC 1110700									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL		MTEC	
		Open Lab Wednesday 5-9:00pm										



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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 1110800	M	0.40 10.00	Basic Carbon Steel Piping Practic	HVC 1110800	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1120000	M	0.30 7.50	Alternating Current	HVC 1120000	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1120100	M	0.70 17.50	Compressors	HVC 1120100	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1120200	M	0.50 12.50	Refrigerants & Oils	HVC 1120200	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1120300	M	1.20 30.00	Leak Detect/Evac/Recov/Chargin	HVC 1120300	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1120400	M	0.30 7.50	Metering Devices	HVC 1120400	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1120500	M	0.80 20.00	Heat Pumps	HVC 1120500	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1120600	M	0.40 10.00	Basic Maintenance	HVC 1120600	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1120700	M	0.20 5.00	Chimneys, Vents & Flues	HVC 1120700	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 1120800	M	0.40 10.00	Sheet Metal Duct Systems				HVC 1120800	M				
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1120900	M	0.30 7.50	Fiberglass & Fabric Duct System				HVC 1120900	M				
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1121000	M	0.50 12.50	Commercial Airside Systems				HVC 1121000	M				
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1121100	M	0.20 5.00	Air Quality Equipment				HVC 1121100	M				
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1121200	M	0.50 12.50	Introduction to Hydronic Systems				HVC 1121200	M				
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 1400000	M	3.00 64.00	<b>CANCELED Geothermal Heat Pl</b>				HVC 1400000	M				
Clark Allan Dowker				T	05:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	109	
HVC 2130000	M	0.40 10.00	Hardware & Fastening				HVC 2130000	M				
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2130100	M	1.20 30.00	Control Circuit/Motor Troubleshoc				HVC 2130100	M				
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2130200	M	0.80 20.00	Troubleshooting Cooling				HVC 2130200	M				
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 2130300	M	0.50 12.50	Troubleshooting Heat Pumps									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2130400	M	0.50 12.50	Troubleshooting Gas Heating									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2130500	M	0.50 12.50	Troubleshooting Oil Heating									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2130600	M	0.30 7.50	Troubleshooting Accessories									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2130700	M	0.50 12.50	Ductless Equipment/Zone Contro									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2130800	M	0.30 7.50	Commercial Hydronic Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2130900	M	0.40 10.00	Steam Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2131000	M	0.60 15.00	Retail Refrigeration Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2131100	M	0.20 5.00	Customer Relations									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 2140000	M	0.50	Water Treatment									
		12.50										
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2140100	M	0.40	Indoor Air Quality									
		10.00										
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2140200	M	0.30	Energy Conservation Equipment	HVC 2140200	M							
		0.50										
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2140300	M	0.50	Building Management Systems	HVC 2140300	M							
		12.50										
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2140400	M	0.50	System Air Balancing	HVC 2140400	M							
		12.50										
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2140500	M	0.60	System Startup & Shutdown	HVC 2140500	M							
		15.00										
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2140600	M	0.50	Construction Drawings/Specificat	HVC 2140600	M							
		12.50										
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2140700	M	1.00	Heating & Cooling System Design	HVC 2140700	M							
		25.00										
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
HVC 2140800	M	0.80	Commercial/Industrial Refrigerati	HVC 2140800	M							
		20.00										
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Heating, Ventilation, &amp; A</b>													
HVC 2140900	M	0.40	Alternative/Specialized HVAC Sy:	HVC 2140900	M								
		10.00											
Clark Allan Dowker						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm													
HVC 2141000	M	0.80	Fundamentals of Crew Leadershi	HVC 2141000	M								
		20.00											
Clark Allan Dowker						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm													

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Mechatronics</u></b>													
MEC 1000080	M	3.00 64.00	Basic Electricity & Controls	MEC 1000080	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
MEC 1040150	M	2.00 32.00	Pneumatics	MEC 1040150	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
	MTWR	12:39 - 2:40PM											
MEC 1060000	M	3.40 84.80	Mechanical Drives	MEC 1060000	M								
Alan A Mabarak					M	05:00 PM	10:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	109	
MEC 1080000	M	2.00 48.00	Intro to Hydraulic Systems	MEC 1080000	M								
Doane N Quick					W	05:00 PM	08:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	109	
MEC 2010000	M	3.00 64.00	Programmable Logic Controllers	MEC 2010000	M								
Alan A Mabarak					T	08:00 AM	11:59 AM	01/09/2017	04/29/2017	GAYL	MTEC	109	
MEC 2010001	M	3.00 64.00	Programmable Logic Controllers	MEC 2010001	M								
Alan A Mabarak					R	05:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	109	
MEC 2010050	M	3.00 64.00	Programmable Logic Controllers	MEC 2010050	M								
Alan A Mabarak						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC	109	
	MTWR	12:39 - 2:40PM											
MEC 2020000	M	3.00 48.00	Adv Controller Applications	MEC 2020000	M								
Kris W Pushman					T	05:00 PM	08:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	110	
MEC 2040000	M	4.00 64.00	Robotics Systems & Applications	MEC 2040000	M								
Brad Bertels					W	06:00 PM	10:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	103	

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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Mechatronics</u></b>											
MEC 2050000 M	3.00	Transfer Line Capstone			MEC 2050000 M						
	64.00										
Kris W Pushman		R	05:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	110		
Independent Study											

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Marketing</b>													
MKT 1150060	3.00 48.00	Customer Relations	MKT 1150060										
Jane E Lange					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
MKT 2000060	3.00 48.00	Principles of Marketing	MKT 2000060										
Gary A Vetter					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													
MKT 2000080 W	3.00 48.00	<b>CANCELED Principles of Marketi</b>	MKT 2000080 W										
Erine Kaye Adams					T	03:00 PM	04:29 PM	01/09/2017	04/29/2017	WB	WBRAN	101	
Erine Kaye Adams						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
HYBRID Also meets 1.5 hours online each week													
MKT 2020060	3.00 48.00	<b>CANCELED Internet Marketing</b>	MKT 2020060										
Gary A Vetter					00:00 AM	00:00 AM	01/09/2017	04/29/2017		ONLIN			
Online Course													



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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Manufacturing Technolo</b>													
MPT 1100040	4.00 96.00	Machine Theory & Operation I	MPT 1100040										
Walter Donald Duggar					00:00 AM	00:00 AM	01/23/2017	04/29/2017	CENT	CTC	111		
		COOR Tues/Thurs 1:00-6:00pm											
MPT 1110000 M	4.00 96.00	Machine Theory & Operation II	MPT 1110000 M										
Michael J Fessler					T	07:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	107B	
Michael J Fessler					W	05:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC		
MPT 1210000 M	3.00 64.00	CNC Machining II	MPT 1210000 M										
Gary S Sheldon					M	05:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	105	
MPT 1230000 M	2.00 32.00	Machinery's Handbook	MPT 1230000 M										
Doane N Quick					T	05:00 PM	06:59 PM	01/09/2017	04/29/2017	GAYL	MTEC	103	

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Mathematics</b>													
MTH 0630000	4.00 64.00	Basic Mathematics	MTH 0630000										
Michelle Broge					TR	10:00 AM	11:59 AM	01/09/2017	04/29/2017	CENT	ADM	105	
MTH 0630000 G	4.00 64.00	Basic Mathematics	MTH 0630000 G										
Marcell Romancky					MW	02:30 PM	04:29 PM	01/09/2017	04/29/2017	GRAY	HSC	1408	
MTH 0630000 M	4.00 64.00	CANCELED Basic Mathematics	MTH 0630000 M										
Phillip Benjamin Collins					MW	07:00 PM	09:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	107A	
MTH 0630001 M	4.00 64.00	ON HOLD Basic Mathematics	MTH 0630001 M										
TBA					TR	02:00 PM	03:59 PM	01/09/2017	04/29/2017	GAYL	MTEC		
MTH 0730000	4.00 64.00	CANCELED Basic Algebra	MTH 0730000										
Kevin T Baughn					TR	08:00 AM	09:59 AM	01/09/2017	04/29/2017	CENT	ADM	204	
MTH 0730000 G	4.00 64.00	Basic Algebra	MTH 0730000 G										
Marcell Romancky					MW	09:30 AM	11:29 AM	01/09/2017	04/29/2017	GRAY	HSC	1408	
MTH 0730000 M	4.00 64.00	Basic Algebra	MTH 0730000 M										
Phillip Benjamin Collins					MW	12:00 PM	01:59 PM	01/09/2017	04/29/2017	GAYL	MTEC	107A	
MTH 0730000 W	4.00 64.00	Basic Algebra	MTH 0730000 W										
Kevin T Baughn					TR	11:00 AM	12:59 PM	01/09/2017	04/29/2017	WB	WBRAN	101	
MTH 0730001	4.00 64.00	Basic Algebra	MTH 0730001										
Erinne K Baughn					TR	03:00 PM	04:59 PM	01/09/2017	04/29/2017	CENT	ADM	204	

2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Mathematics</b>													
MTH 0730001	G 4.00 64.00	Basic Algebra	MTH 0730001	G									
Kevin T Baughn		TR	08:00 AM	09:59 AM	01/09/2017	04/29/2017	GRAY	HSC	1434				
MTH 0730080	4.00 64.00	Basic Algebra	MTH 0730080										
Kevin T Baughn		W	12:00 PM	01:59 PM	01/09/2017	04/29/2017	CENT	ADM	105				
Kevin T Baughn			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN						
HYBRID Also meets 2 Hours online each week													
MTH 0730081	4.00 64.00	ON HOLD Basic Algebra	MTH 0730081										
TBA		T	02:00 PM	03:59 PM	01/09/2017	04/29/2017	CENT	ADM	206				
TBA			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN						
HYBRID Also meets 2 Hours online each week													
MTH 1200000	4.00 64.00	CANCELED Intermediate Algebra	MTH 1200000										
Erinne K Baughn		MW	04:00 PM	05:59 PM	01/09/2017	04/29/2017	CENT	ADM	204				
MTH 1200000	G 4.00 64.00	Intermediate Algebra	MTH 1200000	G									
Marcell Romancky		MW	12:30 PM	02:29 PM	01/09/2017	04/29/2017	GRAY	HSC	2010				
MTH 1200000	M 4.00 64.00	Intermediate Algebra	MTH 1200000	M									
Phillip Benjamin Collins		MW	03:00 PM	04:59 PM	01/09/2017	04/29/2017	GAYL	MTEC	107A				
MTH 1200000	W 4.00 64.00	Intermediate Algebra	MTH 1200000	W									
Kevin T Baughn		TR	01:00 PM	02:59 PM	01/09/2017	04/29/2017	WB	WBRAN	102				
MTH 1200001	4.00 64.00	Intermediate Algebra	MTH 1200001										
Phillip Benjamin Collins		TR	10:00 AM	11:59 AM	01/09/2017	04/29/2017	CENT	ADM	206				

2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Mathematics</b>											
MTH 1200060	4.00 64.00	Intermediate Algebra	MTH 1200060								
Marcell Romancky			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
MTH 1200061	4.00 64.00	Intermediate Algebra	MTH 1200061								
Marcell Romancky			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
MTH 1200062	4.00 64.00	ON HOLD Intermediate Algebra	MTH 1200062								
Marcell Romancky			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
MTH 1200063	4.00 64.00	ON HOLD Intermediate Algebra	MTH 1200063								
TBA			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
MTH 1250060	4.00 64.00	CANCELED Quantitative Literacy	MTH 1250060								
TBA			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
MTH 1300000	4.00 64.00	College Algebra	MTH 1300000								
Caitlin Rowan		TR	01:00 PM	02:59 PM	01/09/2017	04/29/2017	CENT	ADM	204		
MTH 1300060	4.00 64.00	College Algebra	MTH 1300060								
Caitlin Rowan			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
MTH 2060000	4.00 64.00	Application in Statistics	MTH 2060000								
Caitlin Rowan		MW	02:00 PM	03:59 PM	01/09/2017	04/29/2017	CENT	ADM	204		
MTH 2060000 G	4.00 64.00	Application in Statistics	MTH 2060000 G								
Caitlin Rowan		MW	10:00 AM	11:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2010		

2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Mathematics</b>											
MTH 2060060	4.00 64.00	Application in Statistics	MTH 2060060								
Caitlin Rowan			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
MTH 2060061	4.00 64.00	Application in Statistics	MTH 2060061								
Caitlin Rowan			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
MTH 2060080 G	4.00 64.00	CANCELED Application in Statist	MTH 2060080 G								
Caitlin Rowan		TR	11:00 AM	12:29 PM	01/09/2017	04/29/2017	GRAY	HSC	2010		
Caitlin Rowan			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
HYBRID Also meets 1.5 hours online each week											
MTH 2200200	4.00 64.00	Calculus I	MTH 2200200								
Caitlin Rowan		TR	04:00 PM	05:59 PM	01/09/2017	04/29/2017	CENT	ADM	253		

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Music</b>											
MUS 1230060	3.00 48.00	Jazz History & Appreciation									
Pamela Jenkins			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course									
MUS 1500050	1.00 48.00	Vocal Ensemble									
Kevin E Salsbury		MWF	07:00 AM	08:00 AM	01/23/2017	04/29/2017	FAIRV				

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Nursing</u></b>													
NUR 1051500	G 9.50 200.00	Fundamentals of Nursing Practic	NUR 1051500	G									
Bethany A Hubbard					M	12:00 PM	02:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2024	
Julie Ann McClure					W	08:00 AM	11:59 AM	01/09/2017	04/29/2017	GRAY	HSC	1431	
Julie Ann McClure					R	09:00 AM	12:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1431	
NUR 1051501	G 9.50 200.00	Fundamentals of Nursing Practic	NUR 1051501	G									
Bethany A Hubbard					M	12:00 PM	02:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2024	
Bethany A Hubbard					W	01:00 PM	04:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1431	
Bethany A Hubbard					R	09:00 AM	12:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1431	
NUR 1081500	G 8.00 272.00	Nursing Across the Lifespan	NUR 1081500	G									
Stephanie Lee Mansfield					W	01:00 PM	03:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2024	
NUR 1090200	G 2.00 32.00	Nursing Pharmacology I	NUR 1090200	G									
Julie Ann McClure					M	09:00 AM	10:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2024	
NUR 1101500	G 2.00 32.00	Critical Thinking in Nursing	NUR 1101500	G									
Amy B Polzin					R	02:00 PM	03:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1431	
NUR 1101501	G 2.00 32.00	Critical Thinking in Nursing	NUR 1101501	G									
Amy B Polzin					W	02:00 PM	03:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1406	
NUR 2141760	3.00 48.00	Nursing Pharmacology	NUR 2141760										
Bethany A Hubbard						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Nursing</u></b>													
NUR 2221500	G 8.00 288.00	Advanced Medical/Surgical I	NUR 2221500	G	R	09:00 AM	12:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2018	
Amy B Polzin													
NUR 2241500	G 9.00 304.00	Advanced Medical/Surgical II	NUR 2241500	G	W	08:00 AM	11:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2024	
Stephanie Lee Mansfield													
NUR 2241501	G 9.00 304.00	Advanced Medical/Surgical II	NUR 2241501	G	R	08:00 AM	11:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2024	
Stephanie Lee Mansfield													
NUR 2321500	G 5.00 144.00	Advanced Maternal/Pediatrics	NUR 2321500	G	R	02:00 PM	04:59 PM	01/09/2017	02/23/2017	GRAY	HSC	2010	
Bethany A Hubbard													
Bethany A Hubbard					R	02:00 PM	04:59 PM	03/03/2017	04/29/2017	GRAY	HSC	2010	
NUR 2421500	G 4.00 96.00	Community Mental Health Nursin	NUR 2421500	G	W	09:00 AM	11:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2018	
Amy B Polzin													
NUR 2521500	G 3.00 48.00	Nursing Leadership	NUR 2521500	G	W	02:00 PM	04:59 PM	01/09/2017	04/29/2017	GRAY	HSC	2018	
Julie Ann McClure													
NUR 2521501	G 3.00 48.00	Nursing Leadership	NUR 2521501	G	R	01:30 PM	04:29 PM	01/09/2017	04/29/2017	GRAY	HSC	1434	
Julie Ann McClure													



2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Office Information Syste</b>													
OIS 2100060	3.00 48.00	Office Procedures	OIS 2100060										
Renaee Ann Klee					00:00 AM	00:00 AM	01/09/2017	04/29/2017					ONLIN
		Independent Study											
OIS 2150060	3.00 48.00	Desktop Publishing for the Office	OIS 2150060										
Renaee Ann Klee					00:00 AM	00:00 AM	01/09/2017	04/29/2017					ONLIN
		Independent Study											
OIS 2990180 M	3.00 48.00	Internship-Administrative Assista	OIS 2990180 M										
Erine Kaye Adams					00:00 AM	00:00 AM	01/09/2017	04/29/2017					ONLIN
		Independent Study											

2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Phlebotomy</u></b>													
PHB 1010080 G	6.00 184.00	Phlebotomy Technician	PHB 1010080	G									
Jeffrey Bruce Lavender					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GRAY	HSC	1434		
		Meets Tues 1/17, 2/21, 3/14, Fri 3/17 3-7pm at HSC											
Jeffrey Bruce Lavender					00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		This is a hybrid course and meets online each week											
Jeffrey Bruce Lavender					00:00 AM	00:00 AM	01/09/2017	04/29/2017	TBA				
		Clinical Requirement April 3-21 at multiple locations TBA											

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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Philosophy</u></b>											
PHL 2100000	3.00 48.00	Intro to Ethics			PHL 2100000						
Frederic Giacobazzi		MW	10:00 AM	11:29 AM	01/09/2017	04/29/2017	CENT	ADM	251-2		
PHL 2100060	3.00 48.00	Introduction to Ethics			PHL 2100060						
Frederic Giacobazzi			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
		Online Course									

2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Pharmacy Technology</b>											
PHM 1200000	G 3.00 48.00	Pharmacy Technology II		PHM 1200000	G						
Deborah E Lee		R	11:00 AM	01:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1408		
PHM 1990000	G 3.00 48.00	Pharmacy Technology Internship		PHM 1990000	G						
Deborah E Lee			00:00 AM	00:00 AM	01/09/2017	04/29/2017	TBA				

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date				
<b>Physics</b>										
PHY 1050160	3.00 48.00	Physical Science			PHY 1050160					
Andrew Vandeneuvel			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
	Online Course									
PHY 1050260	1.00 32.00	Physical Science Lab			PHY 1050260					
Andrew Vandeneuvel			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
	Online Course									

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Plumbing</b>												
PLB 1030100	M	0.20 5.00	Intro to the Plumbing Profession	PLB 1030100	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1030200	M	0.80 20.00	Plumbing Safety	PLB 1030200	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1030300	M	0.30 7.50	Plumbing Tools	PLB 1030300	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1030400	M	0.30 7.50	Intro to Plumbing Math	PLB 1030400	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1030500	M	0.50 12.50	Intro to Plumbing Drawings	PLB 1030500	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1030600	M	0.40 10.00	Plastic Pipe and Fittings	PLB 1030600	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1030700	M	0.40 10.00	Copper Pipe and Fittings	PLB 1030700	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1030800	M	0.50 12.50	Cast Iron Pipe and Fittings	PLB 1030800	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1030900	M	0.40 10.00	Carbon Steel Pipe and Fittings	PLB 1030900	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Plumbing</b>												
PLB 1031000	M	0.10 2.50	Corrugated Stainless Steel Tubin	PLB 1031000	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1031100	M	0.20 5.00	Fixtures and Faucets	PLB 1031100	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1031200	M	0.40 10.00	Intro to Drain/Waste/Vent (DWV)	PLB 1031200	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1031300	M	0.40 10.00	Intro to Water Distribution System	PLB 1031300	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1031400	M	0.60 15.00	Plumbing Math Two	PLB 1031400	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1031500	M	0.80 20.00	Reading Commercial Drawings	PLB 1031500	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1031600	M	0.40 10.00	Hanger/Support/Struc Pen/Fire S	PLB 1031600	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1031700	M	1.00 25.00	Installing & Testing DWV Piping	PLB 1031700	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1031800	M	0.20 5.00	Installing Roof/Floor/Area Drains	PLB 1031800	M							
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Plumbing</b>												
PLB 1031900	M	0.20 5.00	Types of Valves									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1032000	M	0.80 20.00	Install & Test Water Supply Piping									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1032100	M	0.80 20.00	Installing Fixtures/Valves/Faucets									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1032200	M	0.60 15.00	Intro to Electricity									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1032300	M	0.20 5.00	Installing Water Heaters									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1032400	M	0.80 20.00	Fuel Gas Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												
PLB 1032500	M	0.20 5.00	Servicing Fixtures/Valves/Faucets									
Clark Allan Dowker					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
Open Lab Wednesday 5-9:00pm												



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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Political Science</b>											
POL 1010060	3.00 48.00	Intro to American Government	POL 1010060								
Margaret MacKenzie			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
POL 1010080	3.00 48.00	CANCELED American Governme	POL 1010080								
Margaret MacKenzie		TR	10:00 AM	11:29 AM	01/09/2017	04/29/2017	CENT	ADM	204		
Margaret MacKenzie			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Meets every other week											

2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Psychology</u></b>													
PSY 1010000	3.00 48.00	Intro to Psychology	PSY 1010000										
Heather Marie Merchant		MW	12:30 PM	01:59 PM	01/09/2017	04/29/2017	CENT	ADM	204				
PSY 1010000 G	3.00 48.00	Intro to Psychology	PSY 1010000 G										
Michael Peters		T	09:30 AM	10:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2024				
Michael Peters		R	09:30 AM	10:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2010				
PSY 1010000 W	3.00 48.00	Intro to Psychology	PSY 1010000 W										
Anthony Ott		T	06:00 PM	09:00 PM	01/09/2017	04/29/2017	WB	WBRAN	104				
PSY 1010050	3.00 48.00	Intro to Psychology	PSY 1010050										
Michael Peters		W	08:30 AM	10:30 AM	01/23/2017	04/29/2017	IRESA						
PSY 1010051	3.00 48.00	Intro to Psychology	PSY 1010051										
Michael Peters		W	01:00 PM	03:00 PM	01/23/2017	04/29/2017	OSCOD						
PSY 1010060	3.00 48.00	Intro to Psychology	PSY 1010060										
Michael Peters			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN						
		Online Course											
PSY 1010061	3.00 48.00	Intro to Psychology	PSY 1010061										
James D Backlund			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN						
		Online Course											
PSY 1010062	3.00 48.00	Intro to Psychology	PSY 1010062										
Heather Marie Merchant			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN						
		Online Course											

2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Psychology</b>											
PSY 2020060	3.00 48.00	Abnormal Psychology									
James D Backlund			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
PSY 2020061	3.00 48.00	ON HOLD Abnormal Psychology									
TBA			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											
PSY 2400000	3.00 48.00	CANCELED Lifespan Dev Psych									
Heather Marie Merchant			MW	10:00 AM	11:29 AM	01/09/2017	04/29/2017	CENT	ADM	204	
PSY 2400060	3.00 48.00	Lifespan Developmental Psychol									
Heather Marie Merchant			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
Online Course											

2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Sociology</u></b>											
SOC 1010050	3.00 48.00	Intro to Sociology	SOC 1010050								
Andrea Thomson			00:00 AM	00:00 AM	01/23/2017	04/29/2017	IRESA				
	Online Course										
SOC 1010051	3.00 48.00	Intro to Sociology	SOC 1010050								
Andrea Thomson			00:00 AM	00:00 AM	01/23/2017	04/29/2017	OSCOD				
	Online Course										
SOC 1010060	3.00 48.00	Intro to Sociology	SOC 1010060								
Andrea Thomson			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
	Online Course										
SOC 1010061	3.00 48.00	Intro to Sociology	SOC 1010061								
Andrea Thomson			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
	Online Course										
SOC 1010062	3.00 48.00	CANCELED Intro to Sociology	SOC 1010062								
Andrea Thomson			00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN				
	Online Course										

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Sonography</u></b>													
SON 1250000	G 3.00 48.00	Valvular Heart Disease	SON 1250000	G									
James H Eastman		M	09:00 AM	11:59 AM	01/09/2017	04/29/2017	GRAY	HSC	2018				
SON 1310000	G 3.00 48.00	Cardiomyopathies/Congenital De	SON 1310000	G									
James H Eastman		TR	08:00 AM	09:29 AM	01/09/2017	04/29/2017	GRAY	HSC	1406				
SON 1320000	G 4.00 128.00	Cardiomyopathies/Congenital Lal	SON 1320000	G									
James H Eastman		TR	09:30 AM	01:29 PM	01/09/2017	04/29/2017	GRAY	HSC	1406				
SON 1350000	G 2.00 96.00	Valvular Heart Disease Clinical Li	SON 1350000	G									
Sierra Michala Patterson		W	08:00 AM	01:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1406				
SON 1500000	G 3.00 48.00	Complete Adult Echocardiogram	SON 1500000	G									
James H Eastman			00:00 AM	00:00 AM	01/09/2017	04/29/2017	GRAY	HSC					
		Independent Study											
SON 1570000	G 4.00 128.00	CANCELED Adv Sonography Lat	SON 1570000	G									
TBA			00:00 AM	00:00 AM	01/09/2017	04/29/2017	GRAY	HSC					
		Independent Study											
SON 1600000	G 2.00 96.00	Complete Adult Echocardiogram	SON 1600000	G									
James H Eastman			00:00 AM	00:00 AM	01/09/2017	04/29/2017	GRAY	HSC					
		Independent Study											
SON 2990000	G 12.50 200.00	Internship	SON 2990000	G									
James H Eastman			00:00 AM	00:00 AM	01/09/2017	04/29/2017	TBA						
		Independent Study											

2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Speech</b>													
SPE 1050040	3.00 48.00	Fund of Speech	SPE 1050040										
Christopher Robbin Sura					MTWRF	08:00 AM	08:53 AM	01/23/2017	04/29/2017	HL	HS		
SPE 1050060	3.00 48.00	Fund of Speech	SPE 1050060										
Scott McLean						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
SPE 1050061	3.00 48.00	Fund of Speech	SPE 1050061										
Scott McLean						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
SPE 1060060	3.00 48.00	ON HOLD Mediated Communica	SPE 1060060										
TBA						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
SPE 1140060	3.00 48.00	Intro to Interpersonal/Public Com	SPE 1140060										
Amy Poteet						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											
SPE 1140061	3.00 48.00	Interpersonal/Public Comm	SPE 1140061										
Amy Poteet						00:00 AM	00:00 AM	01/09/2017	04/29/2017	ONLIN			
		Online Course											

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Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment	
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date					
<b><u>Surgical Technology</u></b>											
SUR 2000100	G 2.00 32.00	Advanced Surgical Procedures	SUR 2000100 G								
Nicole Claussen		M	12:00 PM	01:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1406		
SUR 2030000	G 2.00 32.00	Surgical Professional Practice	SUR 2030000 G								
Nicole Claussen		M	02:00 PM	03:59 PM	01/09/2017	04/29/2017	GRAY	HSC	1406		
SUR 2040000	G 2.00 32.00	Integrated Surgical Sciences	SUR 2040000 G								
Nicole Claussen		M	09:00 AM	10:59 AM	01/09/2017	04/29/2017	GRAY	HSC	1406		
SUR 2990100	G 12.00 192.00	Surgical Technology Internship	SUR 2990100 G								
Nicole Claussen		TWRF	06:30 AM	03:15 PM	01/09/2017	04/29/2017	TBA				
Nicole Claussen		M	08:00 AM	08:59 AM	01/09/2017	04/29/2017	GRAY	HSC	1406		

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Theatre</b>											
THE 1200000	3.00	CANCELED Intro to Theatre	THE 1200000								
Jomarie Leone	48.00	MW	02:00 PM	03:29 PM	01/09/2017	04/29/2017	CENT	PAC	AUD		



2016-2017 Winter Semester

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>WorkForce Development</b>											
WFD 1233200	0.00 9.00	Excel Training 9 Hours			WFD 1233200						
Clay Horton		R	01:00 PM	04:00 PM	02/02/2017	02/16/2017	GRAY				
WFD 1233200 G	0.00 9.00	Excel Training 9 Hours			WFD 1233200 G						
Clay Horton		F	01:00 PM	04:00 PM	03/03/2017	04/14/2017	GRAY	HSC	1406		
WFD 1240500	0.00 64.00	Recognition-Prior Train/Experienc			WFD 1240500						
Thomas Grace		MFSU	08:00 AM	05:30 PM	04/21/2017	04/24/2017	WB	WBRAN	101		
Thomas Grace		TWR	09:00 AM	10:00 PM	04/25/2017	04/27/2017	CENT				
Roscommon Range											
Thomas Grace		F	08:00 AM	01:30 PM	04/28/2017	04/28/2017	CENT	ADM	207		
WFD 1241700	0.00 8.00	Winter Weather EVO			WFD 1241700						
Thomas Grace		M	09:00 AM	05:00 PM	02/06/2017	02/06/2017	TBA				

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b><u>Welding</u></b>												
WLD 1040100	M	4.00 96.00	Material Science				WLD 1040100	M				
David L Muladore				MW	07:00 PM	10:00 PM	01/09/2017	04/29/2017	GAYL	MTEC	111	
WLD 1050100	M	3.00 64.00	Welding Fabrication Level 1				WLD 1050100	M				
Jeffrey William Komondy				MW	01:00 PM	02:59 PM	01/09/2017	04/29/2017	GAYL	MTEC		
WLD 1050140		3.00 64.00	Welding Fabrication Level 1				WLD 1050140					
Walter Donald Duggar					00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	111	
COOR Tues/Thurs 1:00-6:00pm												
WLD 1050150	M	3.00 64.00	Welding Fabrication Level 1				WLD 1050150	M				
Daron F Shimel				MTWR	07:45 AM	09:45 AM	01/09/2017	04/29/2017	GAYL	MTEC	105	
WLD 1100000	M	4.00 96.00	Welding Fundamentals				WLD 1100000	M				
David L Muladore				MW	04:00 PM	06:59 PM	01/09/2017	04/29/2017	GAYL	MTEC		
WLD 1110100	M	1.00 24.00	GMAW, FCAW & SMAW x-Block				WLD 1110100	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 MW 9:30-1:00pm												
WLD 1110101	M	1.00 24.00	GMAW, FCAW & SMAW x-Block				WLD 1110101	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Tues/Thurs 1:00-4:30pm												
WLD 1110102	M	1.00 24.00	GMAW, FCAW & SMAW x-Block				WLD 1110102	M				
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Tues/Thurs 6:30-10:00pm												
WLD 1110103	M	1.00 24.00	GMAW, FCAW & SMAW x-Block				WLD 1110103	M				
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Friday 9:30-4:30pm												

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Welding</u></b>													
WLD 1110140	1.00 24.00	GMAW, FCAW & SMAW x-Block	WLD 1110140										
Walter Donald Duggar					00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	111		
COOR Tues/Thurs 1:00-6:00pm													
WLD 1110200 M	1.00 24.00	GMAW, FCAW & SMAW-Horizon	WLD 1110100 M										
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC			
W17 MW 9:30-1:00pm													
WLD 1110201 M	1.00 24.00	GMAW, FCAW & SMAW-Horizon	WLD 1110101 M										
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC			
W17 Tues/Thurs 1:00-4:30pm													
WLD 1110202 M	1.00 24.00	GMAW, FCAW & SMAW-Horizon	WLD 1110102 M										
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC			
W17 Tues/Thurs 6:30-10:00pm													
WLD 1110203 M	1.00 24.00	GMAW, FCAW & SMAW-Horizon	WLD 1110103 M										
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC			
W17 Friday 9:30-4:30pm													
WLD 1110240	1.00 24.00	GMAW, FCAW & SMAW-Horizon	WLD 1110240										
Walter Donald Duggar					00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	111		
COOR Tues/Thurs 1:00-6:00pm													
WLD 1110300 M	1.00 24.00	GMAW, FCAW & SMAW-Vertical	WLD 1110100 M										
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC			
W17 MW 9:30-1:00pm													
WLD 1110301 M	1.00 24.00	GMAW, FCAW & SMAW-Vertical	WLD 1110101 M										
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC			
W17 Tues/Thurs 1:00-4:30pm													
WLD 1110302 M	1.00 24.00	GMAW, FCAW & SMAW-Vertical	WLD 1110102 M										
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC			
W17 Tues/Thurs 6:30-10:00pm													

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Welding</b>													
WLD 1110303	M	1.00 24.00	GMAW, FCAW & SMAW-Vertical	WLD 1110103	M								
Morgan Paul Neilson						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Friday 9:30-4:30pm													
WLD 1110340		1.00 24.00	GMAW, FCAW & SMAW-Vertical	WLD 1110340									
Walter Donald Duggar						00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	111	
COOR Tues/Thurs 1:00-6:00pm													
WLD 1110400	M	1.00 24.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110100	M								
Mark McCully						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 MW 9:30-1:00pm													
WLD 1110401	M	1.00 24.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Tues/Thurs 1:00-4:30pm													
WLD 1110402	M	1.00 24.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110102	M								
Jason Gabriel Brigham						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Tues/Thurs 6:30-10:00pm													
WLD 1110403	M	1.00 24.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110103	M								
Morgan Paul Neilson						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Friday 9:30-4:30pm													
WLD 1110440		1.00 24.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110440									
Walter Donald Duggar						00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	111	
COOR Tues/Thurs 1:00-6:00pm													
WLD 1110500	M	1.00 24.00	WPQR Test-SMAW	WLD 1110100	M								
Mark McCully						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 MW 9:30-1:00pm													
WLD 1110501	M	1.00 24.00	WPQR Test-SMAW	WLD 1110101	M								
Mark McCully						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Tues/Thurs 1:00-4:30pm													

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Welding</b>												
WLD 1110502	M	1.00 24.00	WPQR Test-SMAW									
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Tues/Thurs	6:30-10:00pm								
WLD 1110503	M	1.00 24.00	WPQR Test-SMAW									
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Friday	9:30-4:30pm								
WLD 1110540		1.00 24.00	WPQR Test-SMAW									
Walter Donald Duggar					00:00 AM	00:00 AM	01/23/2017	05/18/2017	CENT	CTC	111	
			COOR	Tues/Thurs	1:00-6:00pm							
WLD 1120100	M	1.00 24.00	GMAW-Constant Voltage									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	MW	9:30-1:00pm								
WLD 1120101	M	1.00 24.00	GMAW-Constant Voltage									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Tues/Thurs	1:00-4:30pm								
WLD 1120102	M	1.00 24.00	GMAW-Constant Voltage									
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Tues/Thurs	6:30-10:00pm								
WLD 1120103	M	1.00 24.00	GMAW-Constant Voltage									
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Friday	9:30-4:30pm								
WLD 1120200	M	1.00 24.00	GMAW-Spray									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	MW	9:30-1:00pm								
WLD 1120201	M	1.00 24.00	GMAW-Spray									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Tues/Thurs	1:00-4:30pm								

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b><u>Welding</u></b>												
WLD 1120202	M	1.00 24.00	GMAW-Spray				WLD 1110102	M				
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Tues/Thurs	6:30-10:00pm								
WLD 1120203	M	1.00 24.00	GMAW-Spray				WLD 1110103	M				
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Friday	9:30-4:30pm								
WLD 1120300	M	1.00 24.00	GMAW-Pulse				WLD 1110100	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	MW	9:30-1:00pm								
WLD 1120301	M	1.00 24.00	GMAW-Pulse				WLD 1110101	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Tues/Thurs	1:00-4:30pm								
WLD 1120302	M	1.00 24.00	GMAW-Pulse				WLD 1110102	M				
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Tues/Thurs	6:30-10:00pm								
WLD 1120303	M	1.00 24.00	GMAW-Pulse				WLD 1110103	M				
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Friday	9:30-4:30pm								
WLD 1120400	M	1.00 24.00	GMAW-Aluminum				WLD 1110100	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	MW	9:30-1:00pm								
WLD 1120401	M	1.00 24.00	GMAW-Aluminum				WLD 1110101	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Tues/Thurs	1:00-4:30pm								
WLD 1120402	M	1.00 24.00	GMAW-Aluminum				WLD 1110102	M				
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
		W17	Tues/Thurs	6:30-10:00pm								

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Welding</b>													
WLD 1120403	M	1.00	GMAW-Aluminum	WLD 1110103	M								
		24.00											
Morgan Paul Neilson						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
			W17		Friday	9:30-4:30pm							
WLD 1120500	M	1.00	WPQR Test-GMAW	WLD 1110100	M								
		24.00											
Mark McCully						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
			W17		MW	9:30-1:00pm							
WLD 1120501	M	1.00	WPQR Test-GMAW	WLD 1110101	M								
		24.00											
Mark McCully						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
			W17		Tues/Thurs	1:00-4:30pm							
WLD 1120502	M	1.00	WPQR Test-GMAW	WLD 1110102	M								
		24.00											
Jason Gabriel Brigham						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
			W17		Tues/Thurs	6:30-10:00pm							
WLD 1120503	M	1.00	WPQR Test-GMAW	WLD 1110103	M								
		24.00											
Morgan Paul Neilson						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
			W17		Friday	9:30-4:30pm							
WLD 1130000	M	3.00	Non-Destructive Testing	WLD 1130000	M								
		64.00											
Jason Gabriel Brigham						TR	04:30 PM	06:29 PM	01/09/2017	04/29/2017	GAYL	MTEC	111
WLD 1140000	M	1.00	Fabrication Blueprint Reading	WLD 1140000	M								
		16.00											
Jeffrey William Komondy						W	03:00 PM	03:59 PM	01/09/2017	04/29/2017	GAYL	MTEC	
WLD 2120100	M	1.00	GTAW-Flat	WLD 1110100	M								
		24.00											
Mark McCully						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
			W17		MW	9:30-1:00pm							
WLD 2120101	M	1.00	GTAW-Flat	WLD 1110101	M								
		24.00											
Mark McCully						00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
			W17		Tues/Thurs	1:00-4:30pm							

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Welding</b>												
WLD 2120102	M	1.00 24.00	GTAW-Flat									
Jason Gabriel Brigham			WLD 1110102		00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	6:30-10:00pm						
WLD 2120103	M	1.00 24.00	GTAW-Flat									
Morgan Paul Neilson			WLD 1110103		00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Friday	9:30-4:30pm						
WLD 2120200	M	1.00 24.00	GTAW-Horizontal									
Mark McCully			WLD 1110100		00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	MW	9:30-1:00pm						
WLD 2120201	M	1.00 24.00	GTAW-Horizontal									
Mark McCully			WLD 1110101		00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	1:00-4:30pm						
WLD 2120202	M	1.00 24.00	GTAW-Horizontal									
Jason Gabriel Brigham			WLD 1110102		00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	6:30-10:00pm						
WLD 2120203	M	1.00 24.00	GTAW-Horizontal									
Morgan Paul Neilson			WLD 1110103		00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Friday	9:30-4:30pm						
WLD 2120300	M	1.00 24.00	GTAW-Vertical									
Mark McCully			WLD 1110100		00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	MW	9:30-1:00pm						
WLD 2120301	M	1.00 24.00	GTAW-Vertical									
Mark McCully			WLD 1110101		00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	1:00-4:30pm						
WLD 2120302	M	1.00 24.00	GTAW-Vertical									
Jason Gabriel Brigham			WLD 1110102		00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	6:30-10:00pm						



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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b><u>Welding</u></b>												
WLD 2120303	M	1.00 24.00	GTAW-Vertical									
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Friday 9:30-4:30pm												
WLD 2120400	M	1.00 24.00	GTAW-Overhead									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 MW 9:30-1:00pm												
WLD 2120401	M	1.00 24.00	GTAW-Overhead									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Tues/Thurs 1:00-4:30pm												
WLD 2120402	M	1.00 24.00	GTAW-Overhead									
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Tues/Thurs 6:30-10:00pm												
WLD 2120403	M	1.00 24.00	GTAW-Overhead									
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Friday 9:30-4:30pm												
WLD 2120500	M	1.00 24.00	WPQR Test-GTAW									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 MW 9:30-1:00pm												
WLD 2120501	M	1.00 24.00	WPQR Test-GTAW									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Tues/Thurs 1:00-4:30pm												
WLD 2120502	M	1.00 24.00	WPQR Test-GTAW									
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Tues/Thurs 6:30-10:00pm												
WLD 2120503	M	1.00 24.00	WPQR Test-GTAW									
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
W17 Friday 9:30-4:30pm												

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Welding</u></b>													
WLD 2130100	M	1.00	Flat & Horizontal Pipe Welding	WLD 1110100	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017		GAYL	MTEC		
			W17 MW 9:30-1:00pm										
WLD 2130101	M	1.00	Flat & Horizontal Pipe Welding	WLD 1110101	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017		GAYL	MTEC		
			W17 Tues/Thurs 1:00-4:30pm										
WLD 2130102	M	1.00	Flat & Horizontal Pipe Welding	WLD 1110102	M								
		24.00											
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017		GAYL	MTEC		
			W17 Tues/Thurs 6:30-10:00pm										
WLD 2130103	M	1.00	Flat & Horizontal Pipe Welding	WLD 1110103	M								
		24.00											
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017		GAYL	MTEC		
			W17 Friday 9:30-4:30pm										
WLD 2130200	M	1.00	5G-Up Pipe Welding	WLD 1110100	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017		GAYL	MTEC		
			W17 MW 9:30-1:00pm										
WLD 2130201	M	1.00	5G-Up Pipe Welding	WLD 1110101	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017		GAYL	MTEC		
			W17 Tues/Thurs 1:00-4:30pm										
WLD 2130202	M	1.00	5G-Up Pipe Welding	WLD 1110102	M								
		24.00											
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017		GAYL	MTEC		
			W17 Tues/Thurs 6:30-10:00pm										
WLD 2130203	M	1.00	5G-Up Pipe Welding	WLD 1110103	M								
		24.00											
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017		GAYL	MTEC		
			W17 Friday 9:30-4:30pm										
WLD 2130300	M	1.00	5G-Down Pipe Welding	WLD 1110100	M								
		24.00											
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017		GAYL	MTEC		
			W17 MW 9:30-1:00pm										

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Welding</b>												
WLD 2130301	M	1.00 24.00	5G-Down Pipe Welding				WLD 1110101	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	1:00-4:30pm						
WLD 2130302	M	1.00 24.00	5G-Down Pipe Welding				WLD 1110102	M				
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	6:30-10:00pm						
WLD 2130303	M	1.00 24.00	5G-Down Pipe Welding				WLD 1110103	M				
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Friday	9:30-4:30pm						
WLD 2130400	M	1.00 24.00	6G-Up Pipe Welding				WLD 1110100	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	MW	9:30-1:00pm						
WLD 2130401	M	1.00 24.00	6G-Up Pipe Welding				WLD 1110101	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	1:00-4:30pm						
WLD 2130402	M	1.00 24.00	6G-Up Pipe Welding				WLD 1110102	M				
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	6:30-10:00pm						
WLD 2130403	M	1.00 24.00	6G-Up Pipe Welding				WLD 1110103	M				
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Friday	9:30-4:30pm						
WLD 2130500	M	1.00 24.00	Pipe Fitting				WLD 1110100	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	MW	9:30-1:00pm						
WLD 2130501	M	1.00 24.00	Pipe Fitting				WLD 1110101	M				
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	1:00-4:30pm						

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2016-2017 Winter Semester

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Welding</b>												
WLD 2130502	M	1.00 24.00	Pipe Fitting									
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	6:30-10:00pm						
WLD 2130503	M	1.00 24.00	Pipe Fitting									
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Friday	9:30-4:30pm						
WLD 2140000	M	4.00 96.00	Welder Qualification Testing									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	MW	9:30-1:00pm						
WLD 2140001	M	4.00 96.00	Welder Qualification Testing									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	1:00-4:30pm						
WLD 2140002	M	4.00 96.00	Welder Qualification Testing									
Jason Gabriel Brigham					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Tues/Thurs	6:30-10:00pm						
WLD 2140003	M	4.00 96.00	Welder Qualification Testing									
Morgan Paul Neilson					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		
				W17	Friday	9:30-4:30pm						
WLD 2150100	M	5.00 112.00	Welding Fabrication Level 2									
Daron F Shimel				TR	09:30 AM	12:59 PM	01/09/2017	04/29/2017	GAYL	MTEC		
WLD 2990000	M	3.00 48.00	Welding Internship									
Mark McCully					00:00 AM	00:00 AM	01/09/2017	04/29/2017	GAYL	MTEC		

# CAT Student Enrollment and Profile Report 2016-2017 - Summer Session

**Headcount:** 420  
**Online Headcount:** 213  
**Total Credit Hours:** 1,539.80  
**Online Credit hours:** 965.00  
**Tuition hours:** 1,883.62  
**Contact hours:** 33,631.00

## Breakdown by Subject Area (includes Concurrent):

Subject	Seatcount	Tuition Hours
ACC	7	28.00
ALH	41	98.00
ART	10	40.00
AST	13	35.00
AUT	1	5.00
BIO	35	175.00
BUS	21	63.00
CEC	65	0
CIS	8	24.00
CJS	3	9.00
COR	38	24.12
COS	26	89.00
ECO	12	36.00
ELT	116	93.47
EMS	6	36.00
ENG	36	111.00
GEO	6	24.00
HIT	6	24.00
HVC	40	32.47
MKT	8	24.00
MPT	6	24.00
MTH	48	192.00
PLB	2	1.56
POL	9	27.00
PSY	32	96.00
SOC	11	33.00
SON	76	380.00
SPE	20	60.00
WFD	64	0
WLD	55	99.00

**Totals:** **821** **1883.62**

### Age Distribution:

24 and under:	173	41.19%
25 to 39:	143	34.05%
40 to 59:	81	19.29%
60 and over:	23	5.48%
Unknown:	0	.00%

### Credit Hour Load:

Non-credit	123	29.29%
>0 - 5.99	164	39.05%
6 - 8.99	111	26.43%
9 - 11.99	2	.48%
>= 12	20	4.76%

### Student Status:

FTIAC	17	4.05%
Returning	290	69.05%
New Transfer	22	5.24%
New Guest	30	7.14%
New 8th Grade	0	.00%
New Dual Enrollment	2	.48%
New Non Credit	59	14.05%
New CJ InService	0	.00%

### Gender:

Male:	169	40.24%
Female:	251	59.76%

## Concurrent Enrollment - Section 40 by Subject



2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Accounting</b>													
ACC 1210060	4.00	CANCELED Accounting Principle	ACC 1210060										
	64.00												
Jason M Broge					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
		Online Course											
ACC 1220060	4.00	Accounting Principles II	ACC 1220060										
	64.00												
Jason M Broge					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
		Online Course											
ACC 1250060	4.00	CANCELED Accounting w/Quick	ACC 1250060										
	64.00												
Jenny Marie Maples					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
		Online Course											

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Allied Health</b>													
ALH 1010160	2.00 32.00	Medical Terminology	ALH 1010160										
Cristina Marie Eames					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
ALH 1010161	2.00 32.00	<b>CANCELED Medical Terminology</b>	ALH 1010161										
Cristina Marie Eames					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
ALH 1040000 G	6.00 120.00	<b>CANCELED Nursing Assistant</b>	ALH 1040000 G										
Ruby Anne Katterman					TW	08:00 AM	02:29 PM	05/30/2017	07/25/2017	GRAY	HSC	2018	
Ruby Anne Katterman						00:00 AM	00:00 AM	05/30/2017	07/25/2017				
4 Clinical Dates - TBA													
ALH 1080160	3.00 48.00	Pathology w/Pharmacology	ALH 1080160										
Nancy Ellen Burke					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
ALH 1130060	3.00 48.00	Medical Ethics & Law	ALH 1130060										
Deborah A Bebow					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													



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2016-2017 Summer Session

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Art</b>											
ART 1150000	3.00 64.00	Photography I		ART 1150000							
Scott T Rice		T	09:00 AM	05:29 PM	05/30/2017	07/25/2017	CENT	ART	117		
ART 2754560	3.00 64.00	Computer Generated Images I		ART 2754560							
Michael J Williams			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
		Online Course									

2016-2017 Summer Session

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Astronomy</u></b>											
AST 1020060	3.00 48.00	Exploration of Astronomy		AST 1020060							
Andrew Vandenheuv			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
	Online Course										
AST 1030060	1.00 32.00	Observational Astronomy		AST 1030060							
Andrew Vandenheuv			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
	Online Course										

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2016-2017 Summer Session

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date				
<b>Automotive</b>										
AUT 2990000	5.00	Automotive Internship			AUT 2990000					
	80.00									
Robert E Oakes			00:00 AM	00:00 AM	05/30/2017	07/25/2017	TBA			
		Independent Study								

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Biology</b>													
BIO 1070060	4.00 80.00	Essentials of Anatomy & Physiolo	BIO 1070060										
Amy M Kuczynski					00:00 AM	00:00 AM	05/30/2017	07/25/2017					ONLIN
Online Course													
BIO 2500060	4.00 80.00	Human Anatomy	BIO 2500060										
Scott A McAlindon					00:00 AM	00:00 AM	05/30/2017	07/25/2017					ONLIN
Online Course													
BIO 2510060	4.00 80.00	Human Physiology	BIO 2510060										
David C Green					00:00 AM	00:00 AM	05/30/2017	07/25/2017					ONLIN
Online Course													

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Business</b>													
BUS 1010060	3.00 48.00	Intro to Business	BUS 1010060										
Jane E Lange					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
BUS 1070060	3.00 48.00	<b>CANCELED Entrepreneurship</b>	BUS 1070060										
Jane E Lange					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
BUS 2100060	3.00 48.00	Principles of Management	BUS 2100060										
Jane E Lange					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
BUS 2150060	3.00 48.00	Business Law	BUS 2150060										
Sarah Lynn Medler					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
BUS 2450060	3.00 48.00	<b>CANCELED Human Resource M</b>	BUS 2450060										
Jason M Broge					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
BUS 2990080	3.00 48.00	<b>CANCELED Internship in Bus &amp; I</b>	BUS 2990080										
Erine Kaye Adams					00:00 AM	00:00 AM	05/30/2017	07/25/2017					
Placement must be determined before semester begins.													
Erine Kaye Adams					00:00 AM	00:00 AM	05/30/2017	07/25/2017					
This course consists of online work and on-the-job training.													

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Capstone</b>													
CAP 2990100	M	1.00	Internship/Service Learning	CAP 2990100	M								
Alan A Mabarak	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
CAP 2990200	M	2.00	Internship/Service Learning	CAP 2990200	M								
Alan A Mabarak	48.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
CAP 2990300	M	3.00	Internship/Service Learning	CAP 2990300	M								
Alan A Mabarak	72.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
CAP 2990400	M	4.00	Internship/Service Learning	CAP 2990400	M								
Alan A Mabarak	96.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Cont Education - Non-Cr</b>													
CEC 1112000	0.00 18.00	The Art of Ceramics for Adults	CEC 1112000										
Carrie Mae Gregg		W	01:00 PM	04:00 PM	06/07/2017	07/12/2017	CENT			ART			
CEC 1112100	0.00 18.00	Watercolors	CEC 1112100										
Scott T Rice		W	01:00 PM	04:00 PM	06/07/2017	07/12/2017	CENT			ART			
CEC 1171505 G	0.00 3.00	CPR	CEC 1171505 G										
Joseph Rubino		M	06:00 PM	09:00 PM	05/15/2017	05/15/2017	GRAY			HSC	1434		
CEC 1171506 G	0.00 3.00	CPR	CEC 1171506 G										
Joseph Rubino		M	06:00 PM	09:00 PM	06/12/2017	06/12/2017	GRAY			HSC	1434		
CEC 1171507 G	0.00 3.00	CPR	CEC 1171507 G										
Joseph Rubino		M	06:00 PM	09:00 PM	07/10/2017	07/10/2017	GRAY			HSC	1434		
CEC 1220700	0.00 9.00	Microsoft Excel	CEC 1220700										
Clay Horton		R	01:00 PM	04:00 PM	05/11/2017	05/25/2017	HL						
CEC 1220701	0.00 9.00	Microsoft Excel	CEC 1220701										
Clay Horton		R	01:00 PM	04:00 PM	06/01/2017	06/22/2017							
CEC 1220702	0.00 9.00	Microsoft Excel	CEC 1220702										
Clay Horton		W	01:00 PM	04:00 PM	05/24/2017	06/07/2017							
CEC 1240000	0.00 12.00	Home Safety Firearms	CEC 1240000										
Thomas Grace			00:00 AM	00:00 AM	06/16/2017	06/17/2017	CENT			ADM	133		

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Computer Information Systems</b>													
CIS 1050060	3.00	Intro to Computers	CIS 1050060										
	48.00												
Donald E Wray					00:00 AM	00:00 AM	05/30/2017	07/25/2017					ONLIN
		Online Course											
CIS 1050061	3.00	ON HOLD Intro to Computers	CIS 1050061										
	48.00												
TBA					00:00 AM	00:00 AM	05/30/2017	07/25/2017					ONLIN
		Online Course											



2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Criminal Justice</b>													
CJS 1020000	3.00 64.00	CANCELED Physical Training I	CJS 1020000										
Lloyd Glenn Gutierrez					TW	03:00 PM	05:59 PM	05/30/2017	07/25/2017	CENT	ADM	114	
Lloyd Glenn Gutierrez					R	03:00 PM	04:59 PM	05/30/2017	07/25/2017	CENT	ADM	114	
CJS 2050000	2.00 48.00	CANCELED Fitness Training	CJS 1020000										
Lloyd Glenn Gutierrez					TW	03:00 PM	05:59 PM	05/30/2017	07/25/2017	CENT	ADM	114	
CJS 2990000	3.00 48.00	Criminal Justice Internship	CJS 2990000										
Thomas Grace						00:00 AM	00:00 AM	05/30/2017	07/25/2017	CENT	ADM		
		Independent Study											

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2016-2017 Summer Session

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Core Construction</b>												
COR 1000100	M	0.50 12.50	Basic Safety									
Alan A Mabarak			COR 1000100				M					
					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
COR 1000200	M	0.40 10.00	Introduction to Construction Math									
Alan A Mabarak			COR 1000200				M					
					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
COR 1000300	M	0.40 10.00	Introduction to Hand Tools									
Alan A Mabarak			COR 1000300				M					
					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
COR 1000400	M	0.40 10.00	Introduction to Power Tools									
Alan A Mabarak			COR 1000400				M					
					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
COR 1000500	M	0.40 10.00	Intro to Construction Drawings									
Alan A Mabarak			COR 1000500				M					
					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
COR 1000600	M	0.60 15.00	Basic Rigging									
Alan A Mabarak			COR 1000600				M					
					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
COR 1000680	M	0.60 15.00	Basic Rigging									
Alan A Mabarak			COR 1000680				M					
					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
Weyerhaeuser Apprentice												
COR 1000700	M	0.30 7.50	Basic Communication Skills									
Alan A Mabarak			COR 1000700				M					
					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
COR 1000800	M	0.30 7.50	Basic Employability Skills									
Alan A Mabarak			COR 1000800				M					
					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

2016-2017 Summer Session

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Core Construction</b>											
COR 1000900 M	0.20	Intro to Materials Handling			COR 1000900 M						
	5.00										
Alan A Mabarak			00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC			

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2016-2017 Summer Session

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Cosmetology</b>											
COS 1210000	2.50 64.00	Cosmetology I	COS 1210000								
Shannon Weaver			00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8		
		8:30-4:00pm MTWRF CTC-107									
COS 1220000	2.50 64.00	Cosmetology II	COS 1220000								
Shannon Weaver			00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8		
		8:30-4:00pm MTWRF CTC-107									
COS 1230000	2.50 64.00	Cosmetology III	COS 1230000								
Shannon Weaver			00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8		
		8:30-4:00pm MTWRF CTC-107									
COS 1240000	2.50 64.00	Cosmetology IV	COS 1240000								
Shannon Weaver			00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8		
		8:30-4:00pm MTWRF CTC-107									
COS 1250000	2.50 64.00	Cosmetology V	COS 1250000								
Shannon Weaver			00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8		
		8:30-4:00pm MTWRF CTC-107									
COS 1260000	2.50 64.00	Cosmetology VI	COS 1260000								
Shannon Weaver			00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8		
		8:30-4:00pm MTWRF CTC-107									
COS 1270000	2.50 64.00	Cosmetology VII	COS 1270000								
Shannon Weaver			00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8		
		8:30-4:00pm MTWRF CTC-107									
COS 1280000	2.50 64.00	Cosmetology VIII	COS 1280000								
Shannon Weaver			00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8		
		8:30-4:00pm MTWRF CTC-107									
COS 1290000	2.50 64.00	Cosmetology IX	COS 1290000								
Shannon Weaver			00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8		
		8:30-4:00pm MTWRF CTC-107									

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Cosmetology</b>													
COS 1300000	2.50 64.00	Cosmetology X	COS 1300000										
Shannon Weaver						00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1310000	2.50 64.00	Cosmetology XI	COS 1310000										
Shannon Weaver						00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1320000	2.50 64.00	Cosmetology XII	COS 1320000										
Shannon Weaver						00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1330000	2.50 64.00	Cosmetology XIII	COS 1330000										
Shannon Weaver						00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1340000	2.50 64.00	Cosmetology XIV	COS 1340000										
Shannon Weaver						00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1350000	2.50 64.00	Cosmetology XV	COS 1350000										
Shannon Weaver						00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1360000	2.50 64.00	Cosmetology XVI	COS 1360000										
Shannon Weaver						00:00 AM	00:00 AM	05/16/2017	07/25/2017	CENT	CTC	107/8	
		8:30-4:00pm MTWRF											
		CTC-107											
COS 1750060	1.00 16.00	Salon Management	COS 1750060										
Shannon Weaver						00:00 AM	00:00 AM	05/16/2017	07/25/2017	ONLIN			
		Independent Study											

2016-2017 Summer Session

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Economics</b>											
ECO 2010060	3.00	Prin of Economics-MACRO		ECO 2010060							
	48.00										
Erine Kaye Adams			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
		Online Course									

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 1010100	M	0.10 2.50	Orientation to the Electrical Trade	ELT 1010100	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1010200	M	0.40 10.00	Electrical Safety	ELT 1010200	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1010280	M	0.40 10.00	Electrical Safety	ELT 1010280	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
			Weyerhaeuser Apprentice										
ELT 1010300	M	0.30 7.50	Introduction to Electrical Circuits	ELT 1010300	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1010400	M	0.30 7.50	Electrical Theory	ELT 1010400	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1010500	M	0.30 7.50	Intro to the NEC	ELT 1010500	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1010600	M	0.40 10.00	Device Boxes	ELT 1010600	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1010700	M	0.40 10.00	Hand Bending	ELT 1010700	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1010780	M	0.40 10.00	Hand Bending	ELT 1010780	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
			Weyerhaeuser Apprentice										

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 1010800	M	0.80	Raceways and Fittings	ELT 1010800	M								
Alan A Mabarak		20.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1010900	M	0.40	Conductors and Cables	ELT 1010900	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1010980	M	0.40	Conductors and Cables	ELT 1010980	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
			Weyerhaeuser Apprentice										
ELT 1011000	M	0.30	Basic ELT Construction Drawings	ELT 1011000	M								
Alan A Mabarak		7.50				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1011100	M	0.60	Residential Electric Services	ELT 1011100	M								
Alan A Mabarak		15.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1011200	M	0.20	Electrical Test Equipment	ELT 1011200	M								
Alan A Mabarak		5.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1020200	M	0.70	Alternating Current	ELT 1020200	M								
Alan A Mabarak		17.50				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1020280	M	0.70	Alternating Current	ELT 1020280	M								
Alan A Mabarak		17.50				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
			Weyerhaeuser Apprentice										
ELT 1020300	M	0.80	Motors: Theory and Application	ELT 1020300	M								
Alan A Mabarak		20.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		



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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 1020380	M	0.80 20.00	Motors: Theory and Application	ELT 1020380	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
Weyerhaeuser Apprentice													
ELT 1020400	M	0.60 15.00	Electrical Lighting	ELT 1020400	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1020500	M	0.60 15.00	Conduit Bending	ELT 1020500	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1020600	M	0.50 12.50	Pull and Junction Boxes	ELT 1020600	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1020700	M	0.40 10.00	Conductor Installations	ELT 1020700	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1020800	M	0.30 7.50	Cable Tray	ELT 1020800	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1020900	M	0.30 7.50	Conductor Terminations and Splik	ELT 1020900	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1021000	M	0.60 15.00	Grounding and Bonding	ELT 1021000	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 1021100	M	0.50 12.50	Circuit Breakers and Fuses	ELT 1021100	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 1021200	M	0.50 12.50	Control System and Concepts	ELT 1021200	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2030300	M	0.70 17.50	Load Calculations - Branch Circu	ELT 2030300	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2030400	M	0.60 15.00	Conductor Selection and Calcula	ELT 2030400	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2030500	M	0.50 12.50	Practical Applications of Lighting	ELT 2030500	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2030600	M	0.60 15.00	Hazardous Locations	ELT 2030600	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2030700	M	1.00 25.00	Overcurrent Protection	ELT 2030700	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2030800	M	0.50 12.50	Distribution Equipment	ELT 2030800	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2030900	M	0.50 12.50	Transformers	ELT 2030900	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2031000	M	0.40 10.00	Commercial Electrical Services	ELT 2031000	M								
Alan A Mabarak						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Electrical Technology</b>													
ELT 2031100	M	0.50	Motor Calculations	ELT 2031100	M								
Alan A Mabarak		12.50				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2031200	M	0.40	Voice, Data, and Video	ELT 2031200	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2031300	M	0.50	Motor Controls	ELT 2031300	M								
Alan A Mabarak		12.50				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2040400	M	0.80	Load Calculations - Feeder and S	ELT 2040400	M								
Alan A Mabarak		20.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2040500	M	0.40	Health Care Facilities	ELT 2040500	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2040600	M	0.40	Standby and Emergency System:	ELT 2040600	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2040700	M	0.40	Basic Electronic Theory	ELT 2040700	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2040800	M	0.60	Fire Alarm Systems	ELT 2040800	M								
Alan A Mabarak		15.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2040900	M	0.40	Specialty Transformers	ELT 2040900	M								
Alan A Mabarak		10.00				00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Electrical Technology</b>												
ELT 2041000	M	0.80 20.00	Advanced Motor Controls				ELT 2041000	M				
Alan A Mabarak					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2041100	M	0.60 15.00	HVAC Controls				ELT 2041100	M				
Alan A Mabarak					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2041200	M	0.40 10.00	Heat Tracing and Freeze Protecti				ELT 2041200	M				
Alan A Mabarak					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2041300	M	0.40 10.00	Motor Operation and Maintenanc				ELT 2041300	M				
Alan A Mabarak					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2041400	M	0.40 10.00	Medium Voltage Termination/Spli				ELT 2041400	M				
Alan A Mabarak					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2041500	M	0.80 20.00	Special Locations				ELT 2041500	M				
Alan A Mabarak					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2041600	M	0.60 15.00	Introductory Skills for Crew Lead				ELT 2041600	M				
Alan A Mabarak					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
ELT 2041800	M	0.60 10.00	Michigan Laws & Rules				ELT 2041800	M				
Alan A Mabarak					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Emergency Medical Serv</b>											
EMS 2030000 G	5.50 96.00	Medical/Surgical			EMS 2030000 G						
Joseph Rubino		MW	09:00 AM	01:50 PM	05/16/2017	07/25/2017	GRAY	HSC	1434		
EMS 2070000 G	2.00 96.00	Clinical III			EMS 2070000 G						
Joseph Rubino			00:00 AM	00:00 AM	05/16/2017	07/25/2017	TBA				

2016-2017 Summer Session

Course	Credits	Title	Parent Course				Locatn	Bldg	Room	Comment
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date				
<b>English &amp; Literature</b>										
ENG 0981000	G 1.00 16.00	Fundamental Reading & Writing	ENG 0981000	G						
Courtney Hornof			00:00 AM	00:00 AM	05/30/2017	07/25/2017	GRAY	HSC		
Independent Study										
ENG 0992000	G 4.00 64.00	College Reading & Writing	ENG 0992000	G						
Courtney Hornof		TWR	01:00 PM	03:40 PM	05/30/2017	07/25/2017	GRAY	HSC	1434	
ENG 1030300	G 3.00 48.00	<b>CANCELED English Compositior</b>	ENG 1030300	G						
Carol Godfrey Finke		TR	11:00 AM	01:59 PM	05/30/2017	07/25/2017	GRAY	HSC	1434	
ENG 1030360	3.00 48.00	English Composition I	ENG 1030360							
Jon F Thompson			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN			
Online Course										
ENG 1040360	3.00 48.00	English Composition II	ENG 1040360							
Carol Godfrey Finke			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN			
Online Course										
ENG 2250080	G 3.00 48.00	<b>CANCELED Contemporary Litera</b>	ENG 2250080	G						
Courtney Hornof		R	09:00 AM	11:59 AM	05/30/2017	07/25/2017	GRAY	HSC		
Courtney Hornof			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN			
HYBRID Also meets 3 hours online each week										

2016-2017 Summer Session

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Geography</b>											
GEO 100060	4.00	World Geography	GEO 100060								
	64.00										
Sinan Toprak			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
Online Course											

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Health Information Techn</b>													
HIT 1060060	3.00	Intro-Health Information Manager	HIT 1060060										
	48.00												
Deborah A Bebow					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
		Online Course											
HIT 2000060	3.00	Intro to Electronic Health Record:	HIT 2000060										
	80.00												
Deborah A Bebow					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
		Independent Study											



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2016-2017 Summer Session

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 1110000	M 0.30 7.50	Introduction to HVAC	HVC 1110000									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1110100	M 0.40 10.00	Trade Mathematics	HVC 1110100									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1110200	M 0.50 12.50	Basic Electricity	HVC 1110200									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1110300	M 0.60 15.00	Introduction to Heating	HVC 1110300									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1110400	M 1.20 30.00	Introduction to Cooling	HVC 1110400									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1110500	M 0.60 15.00	Intro to Air Distribution Systems	HVC 1110500									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1110600	M 0.40 10.00	Basic Copper & Plastic Piping Pr	HVC 1110600									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1110700	M 0.40 10.00	Soldering & Brazing	HVC 1110700									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1110800	M 0.40 10.00	Basic Carbon Steel Piping Practic	HVC 1110800									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Heating, Ventilation, &amp; A</b>													
HVC 1120000	M	0.30 7.50	Alternating Current	HVC 1120000	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1120100	M	0.70 17.50	Compressors	HVC 1120100	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1120200	M	0.50 12.50	Refrigerants & Oils	HVC 1120200	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1120300	M	1.20 30.00	Leak Detect/Evac/Recov/Chargin	HVC 1120300	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1120400	M	0.30 7.50	Metering Devices	HVC 1120400	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1120500	M	0.80 20.00	Heat Pumps	HVC 1120500	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1120600	M	0.40 10.00	Basic Maintenance	HVC 1120600	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1120700	M	0.20 5.00	Chimneys, Vents & Flues	HVC 1120700	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1120800	M	0.40 10.00	Sheet Metal Duct Systems	HVC 1120800	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Heating, Ventilation, &amp; A</b>													
HVC 1120900	M 0.30	Fiberglass & Fabric Duct System:	HVC 1120900	M									
Clark Allan Dowker	7.50					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1121000	M 0.50	Commercial Airside Systems	HVC 1121000	M									
Clark Allan Dowker	12.50					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1121100	M 0.20	Air Quality Equipment	HVC 1121100	M									
Clark Allan Dowker	5.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 1121200	M 0.50	Introduction to Hydronic Systems	HVC 1121200	M									
Clark Allan Dowker	12.50					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2130000	M 0.40	Hardware & Fastening	HVC 2130000	M									
Clark Allan Dowker	10.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2130100	M 1.20	Control Circuit/Motor Troubleshoc	HVC 2130100	M									
Clark Allan Dowker	30.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2130200	M 0.80	Troubleshooting Cooling	HVC 2130200	M									
Clark Allan Dowker	20.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2130300	M 0.50	Troubleshooting Heat Pumps	HVC 2130300	M									
Clark Allan Dowker	12.50					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2130400	M 0.50	Troubleshooting Gas Heating	HVC 2130400	M									
Clark Allan Dowker	12.50					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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2016-2017 Summer Session

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Heating, Ventilation, &amp; A</b>												
HVC 2130500	M	0.50 12.50	Troubleshooting Oil Heating									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2130600	M	0.30 7.50	Troubleshooting Accessories									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2130700	M	0.50 12.50	Ductless Equipment/Zone Contro									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2130800	M	0.30 7.50	Commercial Hydronic Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2130900	M	0.40 10.00	Steam Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2131000	M	0.60 15.00	Retail Refrigeration Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2131100	M	0.20 5.00	Customer Relations									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2140000	M	0.50 12.50	Water Treatment									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2140100	M	0.40 10.00	Indoor Air Quality									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Heating, Ventilation, &amp; A</b>													
HVC 2140200	M	0.30 0.50	Energy Conservation Equipment	HVC 2140200	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2140300	M	0.50 12.50	Building Management Systems	HVC 2140300	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2140400	M	0.60 15.00	System Air Balancing	HVC 2140400	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2140500	M	0.60 15.00	System Startup & Shutdown	HVC 2140500	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2140600	M	0.50 12.50	Construction Drawings/Specificat	HVC 2140600	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2140700	M	1.00 25.00	Heating & Cooling System Design	HVC 2140700	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2140800	M	0.80 20.00	Commercial/Industrial Refrigerati	HVC 2140800	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2140900	M	0.40 10.00	Alternative/Specialized HVAC Sy	HVC 2140900	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
HVC 2141000	M	0.80 20.00	Fundamentals of Crew Leadershi	HVC 2141000	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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2016-2017 Summer Session

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Marketing</b>											
MKT 1100060	3.00 48.00	Principles of Selling			MKT 1100060						
Erine Kaye Adams			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
		Online Course									
MKT 2000060	3.00 48.00	Principles of Marketing			MKT 2000060						
Erine Kaye Adams			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
		Independent Study									

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Manufacturing Technolo</b>													
MPT 1120000	M	3.00	Practical Problems in Machine Tc	MPT 1120000	M								
		64.00											
Michael J Fessler					TW	05:00 PM	09:00 PM	05/30/2017	07/25/2017	GAYL	MTEC		
MPT 1220000	M	3.00	Lean Manufacturing	MPT 1220000	M								
		64.00											
Gary S Sheldon					MR	05:00 PM	09:00 PM	05/30/2017	07/25/2017	GAYL	MTEC		

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Mathematics</b>													
MTH 0630000	G 4.00 64.00	Basic Mathematics	MTH 0630000	G									
Michelle Broge		TWR	08:00 AM	10:40 AM	05/30/2017	07/25/2017	GRAY	HSC	1408				
MTH 0730000	G 4.00 64.00	Basic Algebra	MTH 0730000	G									
Phillip Benjamin Collins		TWR	02:00 PM	04:40 PM	05/30/2017	07/25/2017	GRAY	HSC	1408				
MTH 1200060	4.00 64.00	Intermediate Algebra	MTH 1200060										
Marcell Romancky			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN						
		Online Course											
MTH 1200061	4.00 64.00	ON HOLD Intermediate Algebra	MTH 1200061										
Marcell Romancky			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN						
		Online Course											
MTH 1300060	4.00 64.00	CANCELED College Algebra	MTH 1300060										
Greg J Mink			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN						
		Online Course											
MTH 2060060	4.00 64.00	Application in Statistics	MTH 2060060										
Caitlin Rowan			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN						
		Online Course											



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2016-2017 Summer Session

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Music</b>											
MUS 1250060	3.00	CANCELED World Music									
	48.00										
Pamela Jenkins			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
		Online Course									

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Plumbing</b>													
PLB 1030100	M	0.20 5.00	Intro to the Plumbing Profession	PLB 1030100	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1030200	M	0.80 20.00	Plumbing Safety	PLB 1030200	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1030300	M	0.30 7.50	Plumbing Tools	PLB 1030300	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1030400	M	0.30 7.50	Intro to Plumbing Math	PLB 1030400	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1030500	M	0.50 12.50	Intro to Plumbing Drawings	PLB 1030500	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1030600	M	0.40 10.00	Plastic Pipe and Fittings	PLB 1030600	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1030700	M	0.40 10.00	Copper Pipe and Fittings	PLB 1030700	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1030800	M	0.50 12.50	Cast Iron Pipe and Fittings	PLB 1030800	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1030900	M	0.40 10.00	Carbon Steel Pipe and Fittings	PLB 1030900	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Plumbing</b>													
PLB 1031000	M	0.10 2.50	Corrugated Stainless Steel Tubin	PLB 1031000	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1031100	M	0.20 5.00	Fixtures and Faucets	PLB 1031100	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1031200	M	0.40 10.00	Intro to Drain/Waste/Vent (DWV)	PLB 1031200	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1031300	M	0.40 10.00	Intro to Water Distribution System	PLB 1031300	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1031400	M	0.60 15.00	Plumbing Math Two	PLB 1031400	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1031500	M	0.80 20.00	Reading Commercial Drawings	PLB 1031500	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1031600	M	0.40 10.00	Hanger/Support/Struc Pen/Fire S	PLB 1031600	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1031700	M	1.00 25.00	Installing & Testing DWV Piping	PLB 1031700	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1031800	M	0.20 5.00	Installing Roof/Floor/Area Drains	PLB 1031800	M								
Clark Allan Dowker						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

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2016-2017 Summer Session

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Plumbing</b>												
PLB 1031900	M	0.20 5.00	Types of Valves									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1032000	M	0.80 20.00	Install & Test Water Supply Piping									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1032100	M	0.80 20.00	Installing Fixtures/Valves/Faucets									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1032200	M	0.60 15.00	Intro to Electricity									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1032300	M	0.20 5.00	Installing Water Heaters									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1032400	M	0.80 20.00	Fuel Gas Systems									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
PLB 1032500	M	0.20 5.00	Servicing Fixtures/Valves/Faucets									
Clark Allan Dowker					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Political Science</b>													
POL 1010060	3.00	Intro to American Government	POL 1010060										
	48.00												
Margaret MacKenzie					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
		Online Course											

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Psychology</b>													
PSY 1010060	3.00 48.00	Intro to Psychology	PSY 1010060										
Michael Peters					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
PSY 1010061	3.00 48.00	CANCELED Intro to Psychology	PSY 1010061										
Heather Marie Merchant					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													
PSY 2020060	3.00 48.00	Abnormal Psychology	PSY 2020060										
James D Backlund					00:00 AM	00:00 AM	05/30/2017	07/25/2017		ONLIN			
Online Course													

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2016-2017 Summer Session

Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b><u>Sociology</u></b>											
SOC 1010060	3.00 48.00	Intro to Sociology	SOC 1010060								
Andrea Thomson			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
Online Course											

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b><u>Sonography</u></b>													
SON 1500000	G	3.00	Complete Adult Echocardiogram	SON 1500000	G								
James H Eastman		48.00			MW	08:00 AM	10:40 AM	05/16/2017	07/25/2017	GRAY	HSC	1406	
SON 1560000	G	3.00	Advanced Sonography	SON 1560000	G								
James H Eastman		48.00			TR	08:00 AM	10:40 AM	05/16/2017	07/25/2017	GRAY	HSC	1406	
SON 1570000	G	4.00	Advanced Sonography Lab	SON 1570000	G								
James H Eastman		128.00			TR	10:40 AM	05:20 PM	05/16/2017	07/25/2017	GRAY	HSC	1406	
SON 1600000	G	2.00	Complete Adult Echocardiogram	SON 1600000	G								
James H Eastman		96.00			MW	10:40 AM	03:30 PM	05/16/2017	07/25/2017	GRAY	HSC	1406	



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Course	Credits	Title	Parent Course								
Professor	Contact	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment	
<b>Speech</b>											
SPE 1050060	3.00 48.00	Fund of Speech	SPE 1050060								
Scott McLean			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
Online Course											
SPE 1140060	3.00 48.00	Intro to Interpersonal/Public Com	SPE 1140060								
Christine E Bingle			00:00 AM	00:00 AM	05/30/2017	07/25/2017	ONLIN				
Online Course											

2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>WorkForce Development</b>													
WFD 1240500	0.00 64.00	Recognition-Prior Train/Experien	WFD 1240500										
Thomas Grace				MFSU	08:00 AM	05:30 PM	06/02/2017	06/05/2017	CENT	ADM		251-2	
Thomas Grace				TWR	09:00 AM	10:00 PM	06/06/2017	06/08/2017	CENT				
		Roscommon Range											
Thomas Grace				F	08:00 AM	01:30 PM	06/09/2017	06/09/2017	CENT	ADM		207	
WFD 1241800	0.00 4.00	1st Responder Traumatic Stress	WFD 1241800										
Thomas Grace				W	09:00 AM	01:00 PM	05/24/2017	05/24/2017	CENT	ADM		133	
WFD 1410080 G	0.00 32.00	MDOC Assessment	WFD 1410080 G										
Bethany A Hubbard					00:00 AM	00:00 AM	04/12/2017	06/30/2017	ONLIN				
		Online Course											
Bethany A Hubbard					00:00 AM	00:00 AM	05/06/2017	06/28/2017	GRAY	HSC		2010	
		Online w/2 days at Grayling HSC for assessment at finish											
WFD 2506100 G	0.00 24.00	Speed Measurement Operator	WFD 2506100 G										
Thomas Grace				MTW	09:00 AM	05:30 PM	05/08/2017	05/10/2017	GRAY	HSC		1408	
WFD 2603500	0.00 8.00	Use of Force for Decisions	WFD 2603500										
Thomas Grace				W	09:00 AM	05:30 PM	05/17/2017	05/17/2017	CENT	ADM		110	

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Welding</b>													
WLD 1110100	M	1.00	GMAW, FCAW & SMAW x-Block	WLD 1110100	M								
Mark McCully	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR													
WLD 1110101	M	1.00	GMAW, FCAW & SMAW x-Block	WLD 1110101	M								
TBA	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW													
WLD 1110200	M	1.00	GMAW, FCAW & SMAW-Horizon	WLD 1110100	M								
Mark McCully	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR													
WLD 1110201	M	1.00	GMAW, FCAW & SMAW-Horizon	WLD 1110101	M								
TBA	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW													
WLD 1110300	M	1.00	GMAW, FCAW & SMAW-Vertical	WLD 1110100	M								
Mark McCully	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR													
WLD 1110301	M	1.00	GMAW, FCAW & SMAW-Vertical	WLD 1110101	M								
TBA	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW													
WLD 1110400	M	1.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110100	M								
Mark McCully	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR													
WLD 1110401	M	1.00	GMAW, FCAW & SMAW-Overhe:	WLD 1110101	M								
TBA	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW													
WLD 1110500	M	1.00	WPQR Test-SMAW	WLD 1110100	M								
Mark McCully	24.00					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR													

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2016-2017 Summer Session

Course	Credits	Title	Parent Course		Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact												
<b>Welding</b>													
WLD 1110501	M	1.00	WPQR Test-SMAW	WLD 1110101	M								
		24.00											
TBA						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW													
WLD 1120100	M	1.00	GMAW-Constant Voltage	WLD 1110100	M								
		24.00											
Mark McCully						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR													
WLD 1120101	M	1.00	GMAW-Constant Voltage	WLD 1110101	M								
		24.00											
TBA						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW													
WLD 1120200	M	1.00	GMAW-Spray	WLD 1110100	M								
		24.00											
Mark McCully						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR													
WLD 1120201	M	1.00	GMAW-Spray	WLD 1110101	M								
		24.00											
TBA						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW													
WLD 1120300	M	1.00	GMAW-Pulse	WLD 1110100	M								
		24.00											
Mark McCully						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR													
WLD 1120301	M	1.00	GMAW-Pulse	WLD 1110101	M								
		24.00											
TBA						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW													
WLD 1120400	M	1.00	GMAW-Aluminum	WLD 1110100	M								
		24.00											
Mark McCully						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR													
WLD 1120401	M	1.00	GMAW-Aluminum	WLD 1110101	M								
		24.00											
TBA						00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW													



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2016-2017 Summer Session

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Welding</b>												
WLD 2120401	M	1.00	GTAW-Overhead									
		24.00										
TBA					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW												
WLD 2120500	M	1.00	WPQR Test-GTAW									
		24.00										
Mark McCully					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR												
WLD 2120501	M	1.00	WPQR Test-GTAW									
		24.00										
TBA					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW												
WLD 2130100	M	1.00	Flat & Horizontal Pipe Welding									
		24.00										
Mark McCully					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR												
WLD 2130101	M	1.00	Flat & Horizontal Pipe Welding									
		24.00										
TBA					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW												
WLD 2130200	M	1.00	5G-Up Pipe Welding									
		24.00										
Mark McCully					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR												
WLD 2130201	M	1.00	5G-Up Pipe Welding									
		24.00										
TBA					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW												
WLD 2130300	M	1.00	5G-Down Pipe Welding									
		24.00										
Mark McCully					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 8:30-3:30pm TR												
WLD 2130301	M	1.00	5G-Down Pipe Welding									
		24.00										
TBA					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
S17 12:00-7:00pm MW												

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2016-2017 Summer Session

Course	Credits	Title	Parent Course	Days	Beg Time	End Time	Beg Date	End Date	Locatn	Bldg	Room	Comment
Professor	Contact											
<b>Welding</b>												
WLD 2130400	M	1.00 24.00	6G-Up Pipe Welding									
Mark McCully					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
				S17	8:30-3:30pm	TR						
WLD 2130401	M	1.00 24.00	6G-Up Pipe Welding									
TBA					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
				S17	12:00-7:00pm	MW						
WLD 2130500	M	1.00 24.00	Pipe Fitting									
Mark McCully					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
				S17	8:30-3:30pm	TR						
WLD 2130501	M	1.00 24.00	Pipe Fitting									
TBA					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
				S17	12:00-7:00pm	MW						
WLD 2140000	M	4.00 96.00	Welder Qualification Testing									
Mark McCully					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
				S17	8:30-3:30pm	TR						
WLD 2140001	M	4.00 96.00	Welder Qualification Testing									
Mark McCully					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		
				S17	12:00-7:00pm	MW						
WLD 2990000	M	3.00 48.00	Welding Internship									
Mark McCully					00:00 AM	00:00 AM	05/30/2017	07/25/2017	GAYL	MTEC		