

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
ACCOUNTING - CENTRAL CAMPUS - ROSCOMMON								
50757	ACC-10600-80	i Fund of Accounting HYBRID COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This course will be a combination of on-campus and online instruction. Students will meet every week on campus and complete a portion of the course online. Contact Jane Lange, e-mail langej@kirtland.edu.	4/4	\$45	3:00-5:00pm	T	ADM-136	Lange
*50613	ACC-12200-80	i Accounting Principles II HYBRID COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This course will be a combination of on-campus and online instruction. Students will meet every week on campus and complete a portion of the course online. Contact Jane Lange, e-mail langej@kirtland.edu.	4/4	\$45	6:00-8:00pm	T	ADM-136	Lange
49762	ACC-13100-60	i Bookkeeping ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Jane Lange, email langej@kirtland.edu.	4/4	\$45	Online Course			Lange
ALLIED HEALTH - CENTRAL CAMPUS - ROSCOMMON								
49825	ALH-10101-60	i Medical Terminology ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Nancy Pavelek, email pavelekn@kirtland.edu.	2/2	\$45	Online Course			Pavelek
49761	ALH-10101-61	i Medical Terminology ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact MaryAnn Frick, email frickm@kirtland.edu.	2/2	\$45	Online Course			Frick
49738	ALH-10101-90	i Medical Terminology WEB ENHANCED COURSE: Details on page 27.	2/2	\$15	3:00-5:00pm	W	INS-108	Beck
49952	ALH-10101-91	i Medical Terminology WEB ENHANCED COURSE: Details on page 27.	2/2	\$15	8:00-10:00am	T	INS-11	Pavelek
*49824	ALH-10400-00	Nursing Assistant (1/11 - 3/31) Note: Need physical exam, negative TB test, uniform, and negative criminal background -- see Health Careers Advisor.	6/8	\$160	8:00-12:00pm	MW	INS-213	Greenen
*49760	ALH-10801-00	Pathology	3/3	\$22	8:00-11:00am	R	ADM-206	Pavelek
49741	ALH-11201-60	i Medical Ethics and Law ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact MaryAnn Frick, email frickm@kirtland.edu.	1/1	\$45	Online Course			Frick
*51612	ALH-21500-00	Paramedic I	13/13	\$200	TBA			TBA
ALLIED HEALTH - MTEC - GAYLORD								
50612	ALH-10101-00M	Medical Terminology	2/2	\$15	6:00-8:00pm	R	MTEC-103	TBA
50608	ALH-10101-90M	i Medical Terminology WEB ENHANCED COURSE: Details on page 27.	2/2	\$15	4:00-6:00pm	M	MTEC-105	TBA
*49769	ALH-10400-00M	Nursing Assistant (1/11 - 3/31) Note: Need physical exam, negative TB test, uniform, and negative criminal background -- see Health Careers Advisor.	6/8	\$160	8:00-12:00pm	MW	MTEC-108	Wiltse
49737	ALH-20203-00M	Standard First Aid (1/15/10)	.5/5	\$25	8:00-5:00pm	F	MTEC-105	Duncan
ART - CENTRAL CAMPUS - ROSCOMMON								
50607	ART-10103-00	Art History II	3/3		8:30-11:30am	W	ART-117	Rice
50207	ART-10500-00	Intro to Design (2 hours TBA)	3/4	\$100	10:00-12:00pm	R	ART-117	Donna
49951	ART-10600-00	Fund of Drawing I †	3/4	\$100	12:00-2:00pm	TR	ART-121	Rice
49823	ART-10700-00	Painting I †	3/4	\$100	10:00-12:00pm	TR	ART-105	Rice
49756	ART-11500-00	Photography I Note: Students should provide their own 35mm cameras; however, 35mm will be available for check out.	3/4	\$100	3:00-5:00pm	TR	ART-117	Donna
49740	ART-11500-01	Photography I Note: Students should provide their own 35mm cameras; however, 35mm will be available for check out.	3/4	\$100	6:00-10:00pm	W	ART-117	Donna
*49771	ART-25000-00	Illustration I †	3/4	\$100	12:00-2:00pm	MW	ART-121	Rice
†A student who cannot attend the previous 100-level courses during the scheduled times has the option to register in the "open studio" section of that course. See art courses available as "Open Studio" courses.								
49768	ART-10800-00	Ceramics I	3/4	\$100	12:00-2:00pm	TR	ART-107	Donna
50841	ART-19000-80	i Digital Communications I HYBRID COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This course will be a combination of on-campus and online instruction. Lectures/demonstrations & computer labs will be on campus. Lecture notes, video demonstrations and exams will be online. Projects will be submitted using the online delivery system or by transferring larger files to an Internet server. Application software is the current version of Adobe Illustrator. Contact Lisa Balbach, e-mail balbachl@kirtland.edu	3/4	\$100	8:30-11:30am	R	ADM-207	Balbach

ONLINE REQ#	COURSE-SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG-RM	INSTR
*50842	ART-23500-80	i Digital Communications II	3/4	\$100	8:30-11:30am	R	ADM-207	Balbach
HYBRID COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This course will be a combination of on-campus and online instruction. Lectures/demonstrations & computer labs will be on campus. Lecture notes, video demonstrations and exams will be online. Projects will be submitted using the online delivery system or by transferring larger files to an Internet server. Application software is the current version of Adobe Illustrator. Contact Lisa Balbach, e-mail balbachl@kirtland.edu								
49955	ART-27571-00	Computer Animation I	3/4	\$100	6:00-10:00pm	R	ART-Lab	Sales
50785	ART-27573-00	Computer Animation II	3/4	\$100	TBA		ART-Lab	Sales
50781	ART-27575-00	Computer Animation III	3/4	\$100	TBA		ART-Lab	Sales
*50770	ART-27579-00	Computer Animation IV	3/4	\$100	TBA		ART-Lab	Sales
49753	ART-27545-80	i Computer Generated Images I	3/4	\$100	8:30-11:30am	T	ADM-207	Balbach
HYBRID COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This course will be a combination of on-campus and online instruction. Lectures/demonstrations & computer labs will be on campus. Lecture notes, video demonstrations and exams will be online. Projects will be submitted using the online delivery system or by transferring larger files to an Internet server. Application software is the current version of Adobe Photoshop. Contact Lisa Balbach, e-mail balbachl@kirtland.edu								
49786	ART-28000-00	Portfolio I	3/4	\$100	6:00-8:00pm	T	ART-105	Rice

Note: 2 additional hours per week - TBA

OPEN STUDIO POLICY - Students who want higher level art courses or students who cannot attend 100-level Studio Art courses during the regularly scheduled times, have the option to register in the "open studio" section of that course. Students must be able to attend their class during the instructor's "open studio" times, listed below, to be allowed to take the course. It is the responsibility of the student to meet with their instructor during the first week of the semester to obtain the course syllabus and requirements.

Open Studio Times

Instructor	Monday	Tuesday	Wednesday	Thursday
Scott Rice	9 a.m. - 12 p.m.	2 p.m. - 6 p.m.	2 p.m. - 4:30 p.m.	
Joe Donna		10 a.m. - noon 5 p.m. - 10 p.m.	11 a.m. - 6 p.m.	5 p.m. - 10 p.m.

49832	ART-10600-20	Fund of Drawing I	3/4	\$100	Open Studio	ART-121	Rice
*49735	ART-20600-20	Drawing II	3/4	\$100	Open Studio	ART-121	Rice
*49764	ART-27504-20	Advanced Drawing	3/4	\$100	Open Studio	ART-121	Rice
49750	ART-27531-20	Rendering I	3/4	\$100	Open Studio	ART-121	Rice
49782	ART-27611-20	Rendering II	3/4	\$100	Open Studio	ART-121	Rice
49772	ART-10700-20	Painting I	3/4	\$100	Open Studio	ART-105	Rice
*49733	ART-20700-20	Painting II	3/4	\$100	Open Studio	ART-105	Rice
*49959	ART-21600-20	Painting III	3/4	\$100	Open Studio	ART-105	Rice
*49826	ART-27587-20	Painting IV	3/4	\$100	Open Studio	ART-105	Rice
*49752	ART-27543-20	Abstract Painting	3/4	\$100	Open Studio	ART-105	Rice
*50758	ART-20800-20	Ceramics II	3/4	\$100	Open Studio	ART-107	Donna
*50788	ART-21800-20	Ceramics (Studio Problems)	3/4	\$100	Open Studio	ART-107	Donna
*50774	ART-22800-20	Ceramics (Studio Operations)	3/4	\$100	Open Studio	ART-107	Donna
49759	ART-11400-20	Sculpture I	3/4	\$100	Open Studio	ART-114	Donna
*50269	ART-21400-20	Sculpture II	3/4	\$100	Open Studio	ART-114	Donna
*49835	ART-22400-20	Advanced Sculpture I	3/4	\$100	Open Studio	ART-114	Donna
*49822	ART-23400-20	Advanced Sculpture II	3/4	\$100	Open Studio	ART-114	Donna
*49743	ART-27514-20	Welded Sculpture	3/4	\$100	Open Studio	ART-114	Donna
*50206	ART-21500-20	Photography II	3/4	\$100	Open Studio	ART-117	Donna
*49751	ART-27532-20	Photo Studio Problems	3/4	\$100	Open Studio	ART-117	Donna
*49754	ART-27546-20	Computer Generated Images II	3/4	\$100	Open Studio	ART-Lab	Donna
*49962	ART-27566-20	Computer Generated Images III	3/4	\$100	Open Studio	ART-Lab	Donna
*49834	ART-27578-20	Computer Generated Images IV	3/4	\$100	Open Studio	ART-Lab	Donna
49755	ART-27550-20	Digital Darkroom	3/4	\$100	Open Studio	ART-117	Donna
*49780	ART-27606-20	Digital Darkroom II	3/4	\$100	Open Studio	ART-117	Donna
*50589	ART-27553-20	Adv B&W Photography	3/4	\$100	Open Studio	ART-117	Donna
*49831	ART-22500-20	Intro to Color Photography	3/4	\$100	Open Studio	ART-117	Donna
*49770	ART-25000-20	Illustration I	3/4	\$100	Open Studio	ART-121	Rice
*49767	ART-26000-20	Illustration II	3/4	\$100	Open Studio	ART-121	Rice
50205	ART-27565-20	Comic Book Illustration	3/4	\$100	Open Studio	ART-121	Rice
49830	ART-27581-20	Children's Book Illustration	3/4	\$100	Open Studio	ART-121	Rice
49776	ART-27598-20	Portfolio II	3/4	\$100	Open Studio	ART-121	Rice

SPECIAL ART NOTE: More advanced and more specialized art courses are available; contact Joe Donna, 989-275-5000, ext 226.

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<u>AUTOMOTIVE - CENTRAL CAMPUS - ROSCOMMON</u>								
*49788	AUT-16100-00	Engine Fund/Overhaul	4/6	\$25	12:00-3:00pm	MW	CTC-100	Bonk
*49789	AUT-16201-00	Fuel Systems/Emission Control	4/6	\$25	6:00-9:00pm	MW	CTC-100	Oakes
*49790	AUT-16801-00	Automotive Electrical Systems	4/6	\$25	6:00-9:00pm	TR	CTC-100	Akin
*49791	AUT-19200-00	Autobody Internship II	5/5	\$25	TBA	TBA		Sturm
*49793	AUT-20403-00	Adv Service Mgmt (3/30 - 4/27)	1/1		12:00-3:00pm	T	CTC-100	Bonk
*50886	AUT-20402-00	Intro to Service Mgmt (1/12 - 3/23)	2/2		12:00-3:00pm	T	CTC-100	Bonk
*50787	AUT-20404-00	Auto Service Mgmt (1/12 - 4/27)	3/3		12:00-3:00pm	T	CTC-100	Bonk
*49795	AUT-23104-00	Automotive Internship	5/5		TBA		TBA	Sturm
*49796	AUT-26700-00	Diesel Engine Perf & Diag	4/6	\$25	6:00-9:00pm	TR	CTC-102	Oakes
*49797	AUT-27900-00	Manual Trans & Drivelines	4/6	\$25	8:30-11:30am	TR	CTC-100	Bonk
<u>BIOLOGY- CENTRAL CAMPUS - ROSCOMMON</u>								
49798	BIO-10100-00	General Biology	4/5	\$25	12:00-2:30pm	TR	INS-110	Kemp
50843	BIO-10100-60	i General Biology	4/5	\$45	Online Course			Gipson
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Kristy Gipson, email gipsonk@kirtland.edu.								
49801	BIO-10700-00	Essentials of Anatomy/Physiology	4/5	\$25	12:00-5:00pm	M	INS-110	Jennings
50844	BIO-10700-60	i Essentials of Anatomy/Physiology	4/5	\$45	Online Course			Sieszputow
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Jennifer Sieszputowski, email sieszpuj@kirtland.edu.								
*49808	BIO-11500-00	Anatomy & Physiology I	4/5	\$25	8:30-1:30pm	W	INS-12	Hauser
*49809	BIO-11500-01	Anatomy & Physiology I	4/5	\$25	8:30-11:00am	TR	INS-12	Hauser
*49810	BIO-11500-02	Anatomy & Physiology I	4/5	\$25	12:00-2:30pm	TR	INS-12	Hauser
50862	BIO-11500-60	i Anatomy & Physiology I	4/5	\$45	Online Course			Sieszputow
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Jennifer Sieszputowski, email sieszpuj@kirtland.edu.								
*49811	BIO-11600-00	Anatomy & Physiology II	4/5	\$25	3:00-5:30pm	TR	INS-12	Hauser
*49812	BIO-11600-01	Anatomy & Physiology II	4/5	\$25	10:00-3:00pm	M	INS-12	Sieszputow
*49814	BIO-21000-00	Microbiology	4/5	\$35	3:30-6:00pm	TR	INS-110	Kemp
49815	BIO-21300-00	Nature Study (3/10 - 4/28)	4/5	\$85	12:00-6:00pm	W	INS-110	Kemp
					10:00-6:00pm	F	INS-110	Kemp
Note: Students are expected to car pool and share expenses for some field trips. Nature Study is a physically demanding course in which several hikes, walking through bogs and wading in rivers are planned. Friday classes will meet for four Fridays starting March 26th.								
*50863	BIO-21500-90	i Pathophysiology	4/4	\$40	12:00-4:00pm	R	INS-123	Hubbard
WEB ENHANCED COURSE: Details on page 27.								
<u>BIOLOGY- MTEC - GAYLORD</u>								
49802	BIO-10700-00M	Essentials of Anatomy/Physiology	4/5	\$25	9:00-11:30am	MW	MTEC-105	TBA
49804	BIO-10700-01M	Essentials of Anatomy/Physiology	4/5	\$25	12:00-2:30pm	MW	MTEC-105	TBA
<u>BUSINESS & MARKETING - CENTRAL CAMPUS - ROSCOMMON</u>								
49816	BUS-10100-60	i Intro to Business	3/3	\$45	Online Course			Grenkowicz
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Judith Grenkowicz, email grenkowj@kirtland.edu.								
49817	BUS-10100-80	i Intro to Business	3/3	\$45	3:00-6:00pm	W	INS-15	Grenkowicz
HYBRID COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This course will be a combination of on-campus and online instruction. Lectures and exam will be online. Contact Judith Grenkowicz, e-mail grenkowj@kirtland.edu.								
50790	BUS-20200-80	i Grant Writing	3/3	\$45	3:00-6:00pm	M	INS-15	Grenkowicz
HYBRID COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This course will be a combination of on-campus and online instruction. Lectures and exam will be online. Contact Judith Grenkowicz, e-mail grenkowj@kirtland.edu.								
50864	BUS-21000-60	i Prin of Management	3/3	\$45	Online Course			Grenkowicz
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Judith Grenkowicz, email grenkowj@kirtland.edu.								
*50486	BUS-24000-60	i Financial Management	3/3	\$45	Online Course			Lange
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Jane Lange, email langej@kirtland.edu.								
50865	MKT-11500-60	i Customer Relations	3/3	\$45	Online Course			Grenkowicz
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Judith Grenkowicz, email grenkowj@kirtland.edu.								
50866	MKT-20400-60	i Prin of Advertising	3/3	\$45	Online Course			Grenkowicz
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Judith Grenkowicz, email grenkowj@kirtland.edu.								

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
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CAREER ABILITY PREPARATION - MTEC - GAYLORD

50431	CAP-00102-00M	Writing Level 2	.94/.94					
50258	CAP-00103-00M	Writing Level 3	1.06/1.06					
50217	CAP-00203-00M	Reading for Information Level 3	1/1					
50213	CAP-00204-00M	Reading for Information Level 4	1.75/1.75					
50210	CAP-00205-00M	Reading for Information Level 5	.44/.44					
50204	CAP-00206-00M	Reading for Information Level 6	.44/.44					
49965	CAP-00207-00M	Reading for Information Level 7	.44/.44					
49961	CAP-00303-00M	Applied Mathematics Level 3	1/1					
49960	CAP-00304-00M	Applied Mathematics Level 4	1/1					
49957	CAP-00305-00M	Applied Mathematics Level 5	.44/.44					
49956	CAP-00306-00M	Applied Mathematics Level 6	.44/.44					
49954	CAP-00307-00M	Applied Mathematics Level 7	.44/.44					
49953	CAP-00403-00M	Locating Information Level 3	.31/.31					
49950	CAP-00404-00M	Locating Information Level 4	.44/.44					
49839	CAP-00405-00M	Locating Information Level 5	.38/.38					
49838	CAP-00406-00M	Locating Information Level 6	.44/.44					
49836	CAP-00703-00M	Applied Technology Level 3	.31/.31					
49840	CAP-20001-00M	Internship/Service Learning	1/1.5					
49841	CAP-20002-00M	Internship/Service Learning	2/3					
49833	CAP-20003-00M	Internship/Service Learning	3/4.5					
49843	CAP-20004-00M	Internship/Service Learning	4/6					

CAREER & PERSONAL DEVELOPMENT - CENTRAL CAMPUS - ROSCOMMON

CAR 102 has been organized so that students can register for any of the three 1-credit, 5-week long classes listed below, or for the complete semester-long course, CAR-10204, that encompasses all of the material. Students are strongly urged to take the semester-long option to receive the full benefits of the course and if doing so, please register for CAR 10204, the semester-long course.

49844	CAR-10201-00	College Survival & Success I	1/1		1:30-3:00pm	TR	INS-5	Jakobson
NOTE: Meets 1st 5 weeks (1/11 - 2/12) This course introduces personal analysis and development skills necessary for early survival and success in college. Also provides orientation to KCC's programs, resources and services.								
49845	CAR-10202-00	College Survival & Success II	1/1		1:30-3:00pm	TR	INS-5	Jakobson
NOTE: Meets 2nd 5 weeks (2/15 - 3/26) This course provides students with the opportunity to cultivate the academic skills necessary to become confident and capable learners.								
49846	CAR-10203-00	College Survival & Success III	1/1		1:30-3:00pm	TR	INS-5	Jakobson
NOTE: Meets 3rd 5 weeks (3/29 - 4/30) This course focuses on higher-order skills such as creative and critical thinking, decision-making, and communication. Also examines health/stress management and financial literacy.								
49847	CAR-10204-00	College Survival & Success	3/3		1:30-3:00pm	TR	INS-5	Jakobson
NOTE: Meets all semester (1/11 - 4/30) This course is designed to provide students with the opportunity to cultivate the skills, values, and attitudes necessary to become confident and capable learners.								

CARPENTRY - MTEC - GAYLORD

49945	CPT-10007-00M	Orientation to the Trade	.10/.16	\$11.88				
49946	CPT-10008-00M	Bldg Matls, Fasteners & Adhesives	.30/.47	\$35.63				
49947	CPT-10009-00M	Hand & Power Tools	.80/1.25	\$95.00				
50576	CPT-10010-00M	Floor Systems	1.0/1.56	\$118.75				
50562	CPT-10011-00M	Wall and Ceiling Framing	.80/1.25	\$95.00				
50556	CPT-10012-00M	Roof Framing	1.50/2.34	\$178.13				
50524	CPT-10013-00M	Windows and Exterior Doors	.50/.78	\$59.38				
50452	CPT-10014-00M	Reading Plans and Elevations	.80/1.25	\$95.00				
50438	CPT-10015-00M	Site Layout I, Dist Meas/Leveling	.90/1.41	\$106.88				
50428	CPT-10016-00M	Intro to Concrete/Reinforcing Matls	.40/.63	\$47.50				
50316	CPT-10017-00M	Foundations and Flatwork	.60/.94	\$71.25				
50223	CPT-10018-00M	Concrete Forms	1.30/2.03	\$154.38				
50220	CPT-10019-00M	Reinforcing Concrete	.60/.94	\$71.25				
50216	CPT-10020-00M	Handling and Placing Concrete	.90/1.41	\$106.88				
50215	CPT-10023-00M	Manufactured Forms	.90/1.41	\$106.88				
50212	CPT-20023-00M	Exterior Finish	1.40/2.19	\$166.25				
50211	CPT-20024-00M	Roofing Applications	1.0/1.56	\$118.75				
50209	CPT-20025-00M	Thermal and Moisture Protection	.20/.31	\$23.75				
50208	CPT-20026-00M	Stairs	.60/.94	\$71.25				
49967	CPT-20027-00M	Framing with Metal Studs	.60/.94	\$71.25				
49966	CPT-20028-00M	Drywall One: Installation	.60/.94	\$71.25				
49964	CPT-20029-00M	Drywall Two: Finishing	.50/.78	\$59.38				

■ = Sat/Sun/Evening Classes TBA=To be announced * = Pre/corequisite-see college catalog i = Internet account required-see pg 29 R = Thursday

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
49963	CPT-20030-00M	Interior Finish One: Doors	.80/1.25	\$95.00				
49968	CPT-20031-00M	Interior Finish Two: Susp Ceilings	1.0/1.56	\$118.75				
49969	CPT-20032-00M	Interior Finish Three: Trim	1.0/1.56	\$118.75				
49970	CPT-20033-00M	Interior Finish Four: Cabinet Install	.40/.63	\$47.50				
49971	CPT-20034-00M	Site Layout II: Angular Measure	1.0/1.56	\$118.75				
49972	CPT-20035-00M	Advanced Roof Systems	.60/.94	\$71.25				
49973	CPT-20036-00M	Advanced Floor Systems	.60/.94	\$71.25				
49974	CPT-20037-00M	Advanced Wall Systems	.80/1.25	\$95.00				
49975	CPT-20038-00M	Advanced Stair Systems	1.0/1.56	\$118.75				
49976	CPT-20039-00M	Intro to Light Equipment	.40/.63	\$47.50				
49977	CPT-20040-00M	Welding	1.0/1.56	\$118.75				
49978	CPT-20041-00M	Metal Buildings	.50/.78	\$59.38				
49979	CPT-20042-00M	Intro to Project Mgmt/Supervision	.60/.94	\$71.25				

CHEMISTRY - CENTRAL CAMPUS - ROSCOMMON

*49865	CHE-10003-00	Chemical Science Note: Students must sign up for the corresponding lab, CHE-10004-00	3/3	\$10	8:30-10:00am	TR	INS-108	Cochran
*49867	CHE-10003-60	i Chemical Science ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Kristy Gipson, email gipsonk@kirtland.edu. Note: Students must sign up for the corresponding lab, CHE-10004-60	3/3	\$45		Online Course		Gipson
*49868	CHE-10004-00	Chemical Science Lab Note: Students must sign up for the corresponding lecture, CHE-10003-00	1/2	\$25	10:00-12:00pm	R	INS-118	Cochran
*50867	CHE-10004-60	i Chemical Science Lab ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Kristy Gipson, email gipsonk@kirtland.edu. Note: Students must sign up for the corresponding lecture, CHE-10003-60. Required lab packets can be purchased at the KCC Bookstore.	1/2	\$45		Online Course		Gipson
*49873	CHE-10201-00	General Chemistry II	4/4		1:00-3:00pm	TR	INS-16	Cochran
*49874	CHE-10202-00	General Chemistry II Lab	1/3	\$25	3:00-6:00pm	T	INS-118	Cochran

COMPUTER INFORMATION SYSTEMS - CENTRAL CAMPUS - ROSCOMMON

*49877	CIS-10500-00	Intro to Computers	3/3	\$21	10:00-11:30am	MW	ADM-205	Frazier
*49878	CIS-10500-01	Intro to Computers	3/3	\$21	1:30-3:00pm	MW	ADM-205	Frazier
*49879	CIS-10500-02	Intro to Computers	3/3	\$21	12:00-1:30pm	TR	ADM-205	Balbach
*49880	CIS-10500-03	Intro to Computers	3/3	\$21	6:00-9:00pm	R	ADM-205	Frazier
*49883	CIS-10500-60	i Intro to Computers ONLINE COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. Application software used is EITHER Windows XP OR Windows Vista AND the current commercial version of Internet Explorer AND Microsoft Office 2007 Professional, which includes Word 2007, Excel 2007, Access 2007 and PowerPoint 2007. Incomplete grades will not be given for this course. Contact Lisa Balbach, e-mail balbachl@kirtland.edu. Prerequisite: keyboarding skills.	3/3	\$45		Online Course		Balbach
*49884	CIS-10500-61	i Intro to Computers ONLINE COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. Application software used is EITHER Windows XP OR Windows Vista AND the current commercial version of Internet Explorer AND Microsoft Office 2007 Professional, which includes Word 2007, Excel 2007, Access 2007 and PowerPoint 2007. Incomplete grades will not be given for this course. Contact Lisa Balbach, e-mail balbachl@kirtland.edu. Prerequisite: keyboarding skills.	3/3	\$45		Online Course		Balbach
*49887	CIS-19600-60	i Hardware Certification ONLINE COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This online course will prepare students for the industry standard CompTIA A+ certification exam with an emphasis on hardware components. This course covers a wide range of material about hardware. It also addresses, how the boot process works and troubleshooting different hardware. The course begins with a general overview of how software and hardware relate to each other on a computer. Other topics include supporting hard drives, multimedia, printers, and supporting and troubleshooting Windows on networks and the Internet. The course will also include an optional two hour hardware lab to acquaint students with assembly/disassembly. Incomplete grades will not be given for this course. Contact Gene Frazier, e-mail frazierg@kirtland.edu. Prerequisite: CIS-105 or equivalent or demonstrated competency.	3/3	\$45		Online Course		Frazier

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
*49888	CIS-21500-60	i Web Animation & Multimedia	3/3	\$45	Online Course			Balbach
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), KCC Email and Adobe Flash CS4. Students who have the current version of Flash can complete work from home. Students who do NOT have the software can complete work on-campus using computers in the Art Building or ADM-207 when classes are NOT in session. Students can obtain help during the instructor's on-campus office hours or by appointment. Lecture notes, downloadable video demonstrations and exams will be online. Application software is Adobe Flash CS4. Contact Lisa Balbach, email balbachl@kirtland.edu. Prerequisite: CIS-105 or demonstrated competency.								
49889	CIS-21900-00	MacIntosh OS X (1/14 - 3/11)	1/1	\$10	12:00-2:00pm	R	ART-Lab	Horton
*50868	CIS-22400-60	i Unix	2/2	\$45	Online Course			Balbach
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. Incomplete grades will not be given for this course. Contact Lisa Balbach, email balbachl@kirtland.edu. Prerequisite: CIS-10500 or demonstrated competency.								
*49894	CIS-27101-80	i Programming II	4/4	\$45	3:00-6:00pm	R	ADM-205	Balbach
HYBRID COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This course will be a combination of on-campus and online instruction. Exams will be online and assignments will be submitted using email or the online delivery system dropbox. Lectures/demonstrations & computer labs will be on campus. Application software is the current version of Visual Studio (available for student checkout). Contact Lisa Balbach, e-mail balbachl@kirtland.edu. Prerequisite: C or higher in Programming I.								

CORE (CONSTRUCTION TRADES) - MTEC - GAYLORD

49914	COR-10001-00M	Basic Safety	.60/94	\$15.00				
49915	COR-10002-00M	Introduction to Construction Math	.60/94	\$15.00				
49916	COR-10003-00M	Introduction to Hand Tools	.40/63	\$10.00				
49917	COR-10004-00M	Introduction to Power Tools	.20/31	\$5.00				
49918	COR-10005-00M	Introduction to Blueprints	.30/47	\$7.50				
49919	COR-10006-00M	Basic Rigging	.80/1.25	\$20.00				
51003	COR-10007-00M	Basic Communication Skills	.20/31	\$5.00				
51004	COR-10008-00M	Basic Employability Skills	.60/94	\$15.00				

COSMETOLOGY - CENTRAL CAMPUS - ROSCOMMON

Before registering students should contact one of the following instructors at 989-275-5000, ext. 274 for information about other dates on which they can begin classes. Instructors: Shannon Weaver, Robin Winton, and Carmen Miller.

*49924	COS-11700-00F	Manicuring VI	2.5/4	\$15	8:30-4:00pm	MTWRF		CTC-107
49925	COS-12100-00F	Cosmetology I	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49926	COS-12200-00F	Cosmetology II	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49927	COS-12300-00F	Cosmetology III	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49928	COS-12400-00F	Cosmetology IV	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49929	COS-12500-00F	Cosmetology V	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49930	COS-12600-00F	Cosmetology VI	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49931	COS-12700-00F	Cosmetology VII	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49932	COS-12800-00F	Cosmetology VIII	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49933	COS-12900-00F	Cosmetology IX	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49934	COS-13000-00F	Cosmetology X	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49935	COS-13100-00F	Cosmetology XI	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49936	COS-13200-00F	Cosmetology XII	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49937	COS-13300-00F	Cosmetology XIII	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49938	COS-13400-00F	Cosmetology XIV	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49939	COS-13500-00F	Cosmetology XV	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*49940	COS-13600-00F	Cosmetology XVI	2.5/2.5	\$20	8:30-4:00pm	MTWRF		CTC-107
*49942	COS-22400-00F	Cosmetology Instructor IV	2.5/5	\$5	8:30-4:00pm	MTWRF		CTC-107
*49943	COS-22500-00F	Cosmetology Instructor V	2.5/5	\$5	8:30-4:00pm	MTWRF		CTC-107
*49944	COS-22600-00F	Cosmetology Instructor VI	2.5/5	\$5	8:30-4:00pm	MTWRF		CTC-107
49941	COS-17500-60F	i Salon Management	1/1	\$45	Online Course			Weaver

ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Shannon Weaver, email weavers@kirtland.edu.

CRIMINAL JUSTICE - CENTRAL CAMPUS - ROSCOMMON

*49794	CJS-10200-00	Physical Training I	3/4	\$60	5:00-7:00pm	MW	ADM-116	Boerema
*50768	CJS-10201-00	Physical Training II	3/4	\$60	5:00-7:00pm	MW	ADM-116	Boerema
*50761	CJS-10202-00	Physical Training III	3/4	\$60	5:00-7:00pm	MW	ADM-116	Boerema
*49897	CJS-10200-01	Physical Training I	3/4	\$60	7:00-9:00pm	MW	ADM-116	Boerema
*50760	CJS-10201-01	Physical Training II	3/4	\$60	7:00-9:00pm	MW	ADM-116	Boerema
*50779	CJS-10202-01	Physical Training III	3/4	\$60	7:00-9:00pm	MW	ADM-116	Boerema

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
*49902	CJS-10800-00	Basic Firearms (3/4 - 3/25) Range: 3/26, 4/2, 4/9, 4/16, 4/17	3/3	\$150	6:00-9:00pm 9:00-5:00pm	R FS	ADM-135 Range	Hill Hill
*50791	CJS-22400-00	Adv Firearms Training (3/4 - 3/25) Range: 3/26, 4/2, 4/9, 4/16, 4/17	3/3	\$150	6:00-9:00pm 9:00-5:00pm	R FS	ADM-135 Range	Hill Hill
*49903	CJS-17000-00	Correctional Institution/Facilities	3/3		6:00-9:00pm	R	INS-11	Hinman
*49904	CJS-17103-00	Corr Officer Rep Writing	1/1		Independent Study			Bean
*49905	CJS-17200-00	Client Relations in Corrections	3/3		3:00-6:00pm	T	ADM-136	Bean
*49906	CJS-20800-00	Criminal Justice Internship	3/3		2:00-3:00pm	T	ADM-135	Bean
*50783	CJS-20802-00	Criminal Justice Internship	3/3		2:00-3:00pm	T	ADM-135	Bean
*50767	CJS-20803-00	Criminal Justice Internship	3/3		2:00-3:00pm	T	ADM-135	Bean
*49910	CJS-24000-00	Criminology	3/3		3:00-6:00pm	T	ADM-206	Hinman
*49911	CJS-24500-00	Social Deviant Behavior	3/3		9:00-12:15pm	F	ADM-204	Hinman
*49912	CJS-26600-00	Police Academy (1/4 - 4/30)	21/42	\$1,000	12:00-9:00pm 8:00-5:00pm	MTWR F	ADM-133 ADM-133	Grace Grace
*49913	CJS-28001-00	Jail & Prison Administration	3/3		3:00-6:00pm	W	ADM-135	Hinman

ECONOMICS - CENTRAL CAMPUS - ROSCOMMON

*50019	ECO-20200-80	i Prin of Economics-MICRO	3/3	\$45	6:00-9:00pm	W	INS-108	Grenkowicz
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HYBRID ONLINE COURSE REQUIREMENTS: Online Orientation (see page 29), MS Word and KCC E-mail. This course will be a combination of on-campus and online instruction. Contact Judith Grenkowicz, email grenkowj@kirtland.edu.

EDUCATION - CENTRAL CAMPUS - ROSCOMMON

*50029	EDU-10000-00	i Intro to Teaching (1 hour TBA)	3/3		4:00-6:00pm	T	INS-15	Urbain
*50030	EDU-13000-00	CDA Credential Practicum	3/3		6:00-9:00pm	M	ADM-106	Rice
*50031	EDU-21500-00	Administering Preschool Programs	3/3		6:00-9:00pm	W	ADM-106	Rice

ELECTRICAL TECHNOLOGY - MTEC - GAYLORD

50838	ELT-10101-00M	Orientation to the Electrical Trade	.10/.16	\$11.88				
50792	ELT-10102-00M	Electrical Safety	.40/.63	\$47.50				
50793	ELT-10103-00M	Intro to Electrical Circuits	.30/.47	\$35.63				
50794	ELT-10104-00M	Electrical Theory	.30/.47	\$35.63				
50795	ELT-10105-00M	Intro to the NEC	.30/.47	\$35.63				
50796	ELT-10106-00M	Device Boxes	.40/.63	\$47.50				
50797	ELT-10107-00M	Hand Bending	.40/.63	\$47.50				
50798	ELT-10108-00M	Raceways & Fittings	.80/1.25	\$95.00				
50799	ELT-10109-00M	Conductors & Cables	.40/.63	\$47.50				
50800	ELT-10110-00M	Basic Elec Construction Drawings	.30/.47	\$35.63				
50801	ELT-10111-00M	Residential Electric Services	.60/.94	\$71.25				
50802	ELT-10112-00M	Electrical Test Equipment	.20/.31	\$23.75				
50803	ELT-10202-00M	Alternating Current	.70/1.09	\$83.13				
50804	ELT-10203-00M	Motors: Theory & Application	.80/1.25	\$95.00				
50805	ELT-10204-00M	Electrical Lighting	.60/.94	\$71.25				
50806	ELT-10205-00M	Conduit Bending	.60/.94	\$71.25				
50807	ELT-10206-00M	Pull & Junction Boxes	.50/.78	\$59.38				
50808	ELT-10207-00M	Conductor Installations	.40/.63	\$47.50				
50809	ELT-10208-00M	Cable Tray	.30/.47	\$35.63				
50810	ELT-10209-00M	Conductor Terminations & Splices	.30/.47	\$35.63				
50811	ELT-10210-00M	Grounding & Bonding	.60/.94	\$71.25				
50812	ELT-10211-00M	Circuit Breakers & Fuses	.50/.78	\$59.38				
50813	ELT-10212-00M	Control Systems & Concepts	.50/.78	\$59.38				
50814	ELT-20303-00M	Load Calc - Branch & Feeder Circ	.70/1.09	\$83.13				
50815	ELT-20304-00M	Conductor Selection & Calc	.60/.94	\$71.25				
50816	ELT-20305-00M	Practical Appl of Lighting	.50/.78	\$59.38				
50817	ELT-20306-00M	Hazardous Locations	.60/.94	\$71.25				
50818	ELT-20307-00M	Overcurrent Protection	1/1.56	\$118.75				
50819	ELT-20308-00M	Distribution Equipment	.50/.78	\$59.38				
50820	ELT-20309-00M	Transformers	.50/.78	\$59.38				
50821	ELT-20310-00M	Commercial Electrical Services	.40/.63	\$47.50				
50822	ELT-20311-00M	Motor Calculations	.50/.78	\$59.38				
50823	ELT-20312-00M	Voice, Data and Video	.40/.63	\$47.50				
50824	ELT-20313-00M	Motor Controls	.50/.78	\$59.38				
50825	ELT-20404-00M	Load Calc - Feeder & Services	.80/1.25	\$95.00				
50826	ELT-20405-00M	Health Care Facilities	.40/.63	\$47.50				
50827	ELT-20406-00M	Standby & Emergency Systems	.40/.63	\$47.50				
50828	ELT-20407-00M	Basic Electronic Theory	.40/.63	\$47.50				

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
50829	ELT-20408-00M	Fire Alarm Systems	.60/94	\$71.25				
50830	ELT-20409-00M	Specialty Transformers	.40/63	\$47.50				
50831	ELT-20410-00M	Advanced Motors Controls	.80/1.25	\$95.00				
50832	ELT-20411-00M	HVAC Controls	.60/94	\$71.25				
50833	ELT-20412-00M	Heat Tracing & Freeze Protection	.40/63	\$47.50				
50834	ELT-20413-00M	Motor Operation & Maint	.40/63	\$47.50				
50835	ELT-20414-00M	Med Voltage Termination/Splices	.40/63	\$47.50				
50836	ELT-20415-00M	Special Locations	.80/1.25	\$95.00				
50837	ELT-20416-00M	Intro Skills for the Crew Leader	.60/94	\$71.25				

ENGINEERING DESIGN TECHNOLOGIES - CENTRAL CAMPUS - ROSCOMMON

*50021	EDT-11000-00	Detailing with AutoCAD	3/4	\$20	12:00-2:00pm	TR	INS-9	Prout
50026	EDT-21500-00	Tool Design Fundamentals	3/3	\$10	3:00-6:00pm	T	INS-9	Prout
*50027	EDT-22000-00	Engineering Design Problems	3/4	\$20	12:00-4:00pm	M	INS-9	Prout
*50028	EDT-25000-00	SPC Problems	2/3	\$10	3:00-6:00pm	R	INS-9	Prout

ENGINEERING DESIGN TECHNOLOGIES - MTEC - GAYLORD

*50022	EDT-11000-00M	Detailing with AutoCAD	3/4	\$20	5:00-9:00pm	M	MTEC-107	Harwood
*50023	EDT-13000-00M	Fund of MasterCAM	3/3	\$20	5:00-7:00pm	W	MTEC	Harwood
(Lecture dates: 1/13, 2/3, 3/17, 4/14, 4/28) Additional lab hours will be offered as FLEX								
*50024	EDT-14000-00M	Architectural Drafting/CAD	4/4	\$20	TBA	M	MTEC	Harwood
50025	EDT-15000-00M	Quality Assurance Methods	3/3	\$10	5:00-8:00pm	W	MTEC	Harwood

ENGLISH AS A SECOND LANGUAGE - CENTRAL CAMPUS - ROSCOMMON

*50136	ESL-01000-00	English as a 2nd Language/Beginning (3/3)			Independent Study			Jakobson
*50137	ESL-05000-00	English as a 2nd Language/Intermediate (3/3)			Independent Study			Jakobson
*50138	ESL-06000-00	English as a 2nd Language/High Intermediate (3/3)			Independent Study			Jakobson

ENGLISH-DEVELOPMENTAL - CENTRAL CAMPUS - ROSCOMMON

50007	DEV-08000-00	Essential Language Skills	3/3		Independent Study		INS-20	Jakobson
NOTE: Restricted enrollment. Registration in this course is by advisor/instructor permission & placement score only.								
50008	DEV-08601-00	Basic Reading Skills	3/3	\$10	10:00-11:30am	MW	ADM-110	Brown
*50009	DEV-08807-00	Writing Mechanics	2/2		10:00-11:00am	MW	ADM-114	C.Finke
50010	DEV-09000-00	Fund of English	3/3	\$10	8:30-10:00am	MW	ADM-110	Brown
50012	DEV-09000-01	Fund of English	3/3	\$10	1:30-3:00pm	MW	ADM-110	Thomson
50013	DEV-09000-02	Fund of English	3/3	\$10	10:00-11:30am	TR	ADM-110	Brown
50014	DEV-09301-00	Study Skills	1/1.5		12:00-1:30pm	W	INS-16	Schutte
50015	DEV-09601-00	College Reading Skills	3/3	\$15	12:00-1:30pm	MW	ADM-110	Brown
50017	DEV-09601-01	College Reading Skills	3/3	\$15	3:00-4:30pm	TR	ADM-110	Brown

ENGLISH-DEVELOPMENTAL -MTEC - GAYLORD

50011	DEV-09000-00M	Fund of English	3/3	\$10	2:00-5:00pm	W	MTEC-103	C.Finke
50016	DEV-09601-00M	College Reading Skills	3/3	\$15	5:00-8:00pm	W	MTEC-103	TBA

ENGLISH SUPPORT WORKSHOPS - CENTRAL CAMPUS - ROSCOMMON

Build Your Vocabulary (1/19 -3/23)	0/2	1:00-3:00pm	T	INS-20	Schutte
Improve Your Spelling (2/3 - 2/24)	0/2	9:00-11:00am	W	INS-20	Schutte

These workshops are NOT for college credit and are free to Kirtland students. No homework and no books to buy! To register or inquire, come to the Tutorial Center, INS-18; call 989-275-5000, ext. 211, or email jakobsonk@kirtland.edu. Other workshops are also offered in reading and taking college notes.

ENGLISH & LITERATURE - CENTRAL CAMPUS - ROSCOMMON

50082	ENG-10000-00	Writing Lab	1/2		10:00-11:00am	MW	ADM-134	Phillips
50084	ENG-10000-01	Writing Lab	1/2		12:00-1:00pm	MW	ADM-134	Phillips
50085	ENG-10000-02	Writing Lab	1/2		3:00-4:00pm	MW	ADM-134	TBA
50086	ENG-10000-03	Writing Lab	1/2		9:00-10:00am	TR	ADM-134	Phillips
50087	ENG-10000-04	Writing Lab	1/2		10:00-11:00am	TR	ADM-134	Phillips
50088	ENG-10000-05	Writing Lab	1/2		1:00-2:00pm	TR	ADM-134	Phillips
50089	ENG-10000-06	Writing Lab	1/2		6:00-8:00pm	T	ADM-134	TBA

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
50097	ENG-10000-60	i Writing Lab	1/2	\$45	Online Course			Lemmen
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Nancy Lemmen, email lemmenn@kirtland.edu.								
50098	ENG-10000-61	i Writing Lab	1/2	\$45	Online Course			Lemmen
ONLINE COURSE REQUIREMENTS: Online orientation (see page ??), MS Word and KCC E-mail. Contact Nancy Lemmen, email lemmenn@kirtland.edu.								
50099	ENG-10000-62	i Writing Lab	1/2	\$45	Online Course			Lemmen
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Nancy Lemmen, email lemmenn@kirtland.edu.								
50873	ENG-10000-63	i Writing Lab	1/2	\$45	Online Course			TBA
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Fred Giacobazzi, email giacobaf@kirtland.edu.								
*49896	ENG-10303-00	English Comp I w/Computers	3/3	\$15	8:30-10:00am	MW	INS-3	TBA
*50102	ENG-10303-01	English Comp I w/Computers	3/3	\$15	12:00-1:30pm	MW	INS-3	TBA
*50103	ENG-10303-02	English Comp I w/Computers	3/3	\$15	1:30-3:00pm	MW	INS-3	TBA
*49898	ENG-10303-03	English Comp I w/Computers	3/3	\$15	3:00-4:30pm	MW	INS-5	Mathews
*50105	ENG-10303-04	English Comp I w/Computers	3/3	\$15	8:30-10:00am	TR	INS-3	Mathews
*49899	ENG-10303-05	English Comp I w/Computers	3/3	\$15	10:00-11:30am	TR	INS-3	Thompson
*50107	ENG-10303-06	English Comp I w/Computers	3/3	\$15	6:00-9:00pm	W	INS-5	Schicker
*49901	ENG-10303-60	i English Comp I w/Computers	3/3	\$45	Online Course			Thompson
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Jon Thompson, email thompsonj@kirtland.edu.								
*50111	ENG-10303-61	i English Comp I w/Computers	3/3	\$45	Online Course			TBA
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Fred Giacobazzi, email giacobaf@kirtland.edu.								
*50874	ENG-10303-62	i English Comp I w/Computers	3/3	\$45	Online Course			TBA
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Fred Giacobazzi, email giacobaf@kirtland.edu.								
*50121	ENG-10403-90	i English Comp II w/Computers	3/3	\$15	10:00-11:30am	MW	INS-3	Thompson
WEB ENHANCED COURSE: Details on page 27.								
*50112	ENG-10403-00	English Comp II w/Computers	3/3	\$15	12:00-1:30pm	MW	INS-5	Mathews
*50114	ENG-10403-01	English Comp II w/Computers	3/3	\$15	1:30-3:00pm	MW	INS-5	Mathews
*50115	ENG-10403-02	English Comp II w/Computers	3/3	\$15	6:00-9:00pm	W	INS-3	TBA
*50116	ENG-10403-03	English Comp II w/Computers	3/3	\$15	12:00-1:30pm	TR	INS-3	Mathews
*50117	ENG-10403-04	English Comp II w/Computers	3/3	\$15	1:30-3:00pm	TR	INS-3	TBA
*50118	ENG-10403-05	English Comp II w/Computers	3/3	\$15	3:00-4:30pm	TR	INS-3	TBA
*50119	ENG-10403-60	i English Comp II w/Computers	3/3	\$45	Online Course			Thompson
ONLINE COURSE REQUIREMENTS: Online orientation(see page 29), MS Word and KCC E-mail. Contact Jon Thompson, email thompsonj@kirtland.edu.								
*50120	ENG-10403-61	i English Comp II w/Computers	3/3	\$45	Online Course			TBA
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Fred Giacobazzi, email giacobaf@kirtland.edu.								
*50875	ENG-10403-62	i English Comp II w/Computers	3/3	\$45	Online Course			TBA
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Fred Giacobazzi, email giacobaf@kirtland.edu.								
*49907	ENG-10602-60	i Technical Writing	3/3	\$45	Online Course			Giacobazzi
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Fred Giacobazzi, email giacobaf@kirtland.edu.								
*50876	ENG-10602-61	i Technical Writing	3/3	\$45	Online Course			Giacobazzi
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Fred Giacobazzi, email giacobaf@kirtland.edu.								
*50877	ENG-10602-62	i Technical Writing	3/3	\$45	Online Course			Giacobazzi
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Fred Giacobazzi, email giacobaf@kirtland.edu.								
*49800	ENG-12000-00	Journalism I	3/3		1:30-3:00pm	MW	ADM-207	Vizard
*50780	ENG-12100-00	Journalism II	3/3		1:30-3:00pm	MW	ADM-207	Vizard
*49909	ENG-12501-00	Journalism Practicum	1/1	\$15	TBA	TBA		Vizard
*50784	ENG-12502-00	Journalism Practicum	1/1	\$15	TBA	TBA		Vizard
*50776	ENG-12503-00	Journalism Practicum	1/1	\$15	TBA	TBA		Vizard
*50878	ENG-21400-60	i Intro to Literature	3/3	\$45	Online Course			TBA
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Fred Giacobazzi, email giacobaf@kirtland.edu.								
*50129	ENG-21500-00	Creative Writing	3/3		3:00-6:00pm	M	INS-3	C.Finke
*50130	ENG-23100-90	i American Lit After 1865	3/3		12:00-1:30pm	MW	ADM-136	Giacobazzi
WEB ENHANCED COURSE: Details on page 27.								
*50132	ENG-29100-00	Poetry Workshop I	3/3		6:00-9:00pm	T	ADM-111	A.Finke

ONLINE REQ#	COURSE-SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG-RM	INSTR
*50133	ENG-29200-00	Fiction Workshop I	3/3		6:00-9:00pm	M	ADM-111	C.Finke
*50764	ENG-29300-00	Poetry Workshop II	3/3		6:00-9:00pm	T	ADM-111	A.Finke
*50773	ENG-29400-00	Fiction Workshop II	3/3		6:00-9:00pm	M	ADM-111	C.Finke

ENGLISH & LITERATURE - MTEC - GAYLORD

50083	ENG-10000-00M	Writing Lab	1/2		12:00-1:00pm	TR	MTEC-103	C.Finke
*50101	ENG-10303-00M	English Comp I w/Computers	3/3	\$15	1:30-3:00pm	TR	MTEC-103	C.Finke
*50113	ENG-10403-00M	English Comp II w/Computers	3/3	\$15	5:00-8:00pm	T	MTEC-103	TBA

ENGLISH & LITERATURE - WEST BRANCH

50090	ENG-10000-07	Writing Lab	1/2		6:00-7:00pm	MW	W.Branch	TBA
*49900	ENG-10303-07	English Comp I w/Computers	3/3	\$15	7:00-8:30pm	MW	W.Branch	TBA

FIREFIGHTER TRAINING - CENTRAL CAMPUS - ROSCOMMON

50954	FFT-10700-00	Firefighter Safety & Survival	3/3		6:00-9:00pm	T	ADM-106	Grace
*50880	FFT-20600-00	Firefighter II	10/10	\$230	6:00-9:00pm	MW	ADM-135	Grace
					10:00-2:00pm	Sat	ADM-135	Grace

GEOGRAPHY - CENTRAL CAMPUS - ROSCOMMON

*50140	GEO-10000-00	World Geography	4/4		6:00-8:00pm	MW	ADM-206	Shantz
*50141	GEO-10000-60	i World Geography	4/4	\$45	Online Course			Toprak

ONLINE COURSE REQUIREMENTS: Online Orientation (see page 29), MS Word and KCC E-mail. Contact Sinan Toprak, email topraks@kirtland.edu.

HEATING, VENTILATION, AIR CONDITIONING & REFRIGERATION (HVAC) - MTEC - GAYLORD

51002	HVC-10200-00M	Commercial Airside Systems	.50/.78	\$59.38				
50958	HVC-10201-00M	Chimneys, Vents & Flues	.20/.31	\$23.75				
50959	HVC-10202-00M	Intro to Hydronic Systems	.40/.63	\$47.50				
50960	HVC-10203-00M	Air Quality Equipment	.20/.31	\$23.75				
50961	HVC-10204-00M	Leak Detection, Evacuation, Recovery & Charging	.80/1.25	\$95.00				
50962	HVC-10205-00M	Alternating Current	.30/.47	\$35.63				
50963	HVC-10206-00M	Basic Electronics	.20/.31	\$23.75				
50964	HVC-10207-00M	Intro to Control Circuit Troubleshooting	1.2/1.88	\$142.50				
50965	HVC-10208-00M	Troubleshooting Gas Heating	.50/.78	\$59.38				
50966	HVC-10209-00M	Troubleshooting Cooling	.80/1.25	\$95.00				
50967	HVC-10210-00M	Heat Pumps	.80/1.25	\$95.00				
50968	HVC-10211-00M	Basic Installation & Maintenance Practices	.70/1.09	\$83.13				
50969	HVC-10212-00M	Sheet Metal Duct Systems	.20/.31	\$23.75				
50970	HVC-10213-00M	Fiberglass/Flex Duct Systems	.20/.31	\$23.75				
50971	HVC-11000-00M	Intro to HVAC	.30/.47	\$35.63				
50972	HVC-11001-00M	Trade Mathematics	.40/.63	\$47.50				
50973	HVC-11002-00M	Copper & Plastic Piping Practices	.20/.31	\$23.75				
50974	HVC-11003-00M	Soldering & Brazing	.30/.47	\$35.63				
50975	HVC-11004-00M	Ferrous Metal Piping Practices	.20/.31	\$23.75				
50976	HVC-11005-00M	Basic Electricity	.50/.78	\$59.38				
50977	HVC-11006-00M	Intro to Cooling	1.2/1.88	\$142.50				
50978	HVC-11007-00M	Intro to Heating	.60/.94	\$71.25				
50979	HVC-11008-00M	Air Distribution Systems	.40/.63	\$47.50				
50980	HVC-20300-00M	Refrigerants & Oils	.40/.63	\$47.50				
50981	HVC-20301-00M	Compressors	.60/.94	\$71.25				
50982	HVC-20302-00M	Metering Devices	.30/.47	\$35.63				
50983	HVC-20303-00M	Retail Refrigeration	.80/1.25	\$95.00				
50984	HVC-20304-00M	Commercial Hydronic Systems	.50/.78	\$59.38				
50985	HVC-20305-00M	Steam Systems	.40/.63	\$47.50				
50986	HVC-20306-00M	Planned Maintenance	.80/1.25	\$95.00				
50987	HVC-20307-00M	Water Treatment	.40/.63	\$47.50				
50988	HVC-20308-00M	Troubleshooting Elect Controls	.30/.47	\$35.63				
50989	HVC-20309-00M	Troubleshooting Oil Heating	.40/.63	\$47.50				
50990	HVC-20310-00M	Troubleshooting Heat Pumps	.50/.78	\$59.38				
50991	HVC-20311-00M	Troubleshooting Accessories	.40/.63	\$47.50				
50992	HVC-20400-00M	Construction Drawings & Specs	1.0/1.56	\$118.75				
50993	HVC-20401-00M	Air Properties & Air System Balancing	.80/1.25	\$95.00				
50994	HVC-20402-00M	Indoor Air Quality	.60/.94	\$71.25				

= Sat/Sun/Evening Classes

TBA=To be announced

*=Pre/corequisite-see college catalog

i=Internet account required-see pg 29

R=Thursday

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
50995	HVC-20403-00M	Energy Conservation Equipment	.40/.63	\$47.50				
50996	HVC-20404-00M	Building Management Systems	.70/1.09	\$83.13				
50997	HVC-20405-00M	System Start-Up & Shut-Down	.90/1.41	\$106.88				
50998	HVC-20406-00M	Heating & Cooling System Design	1/1.56	\$118.75				
50999	HVC-20407-00M	Commercial & Industrial Refrig	.90/1.41	\$106.88				
51000	HVC-20408-00M	Alternative Heating & Cooling Equipment	.40/.63	\$47.50				
51001	HVC-20409-00M	Intro to Supervisory Skills	.50/.78	\$59.38				

HISTORY - CENTRAL CAMPUS - ROSCOMMON

*50142	HIS-10600-00	History of World Soc Since 1500	3/3		10:00-11:30am	TR	ADM-204	Thiel
*50143	HIS-20200-00	US History Since 1865	3/3		1:30-3:00pm	TR	ADM-204	Thiel
*50144	HIS-20200-01	US History Since 1865	3/3		12:00-3:00pm	W	ADM-204	Thiel
*50145	HIS-20400-60	The American Civil War	3/3	\$45	Online Course			Thiel

ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail.
Contact John Thiel, email thielj@kirtland.edu.

HONORS - CENTRAL CAMPUS - ROSCOMMON & MTEC - GAYLORD - Honors Program students may take selected regular Kirtland courses for honors credit by electing the honors option. See page ?? of this schedule for details and a list of available courses. **Prerequisite:** Membership in the Honors Program or Phi Theta Kappa students or KCC students with 3.5 GPA or higher.

*51610	HON-25012-00	Colloquium-Volunteerism in the Community	3/4		8:30-1:00pm	F	INS-108	Holton
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COURSE DESCRIPTION: This course gives students the opportunity to examine the role and scope of volunteerism in American society. Students in the course are required to have some significant volunteer experience, or they will be required to do volunteer work during the course. Prerequisite: permission of instructor.

HUMANITIES - CENTRAL CAMPUS - ROSCOMMON

*50146	HUM-20500-00	The Individual & Society	3/3		3:00-6:00pm	W	ADM-204	Thiel
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INDUSTRIAL MAINTENANCE - MTEC - GAYLORD

50188	IND-10202-00M	Electrical Safety	.50/.78	\$37.50				
50189	IND-10203-00M	Hand Bending	.30/.47	\$22.50				
50190	IND-10204-00M	Fasteners and Anchors	.20/.31	\$15.00				
50191	IND-10205-00M	Electrical Theory One	.30/.47	\$22.50				
50192	IND-10206-00M	Electrical Theory Two	.30/.47	\$22.50				
50193	IND-10207-00M	Electrical Test Equipment	.30/.47	\$22.50				
50194	IND-10208-00M	Introduction to the NEC	.10/.16	\$7.50				
50195	IND-10209-00M	Conductors	.60/.94	\$45.00				
50196	IND-10210-00M	Intro to Electrical Blueprints	.30/.47	\$22.50				
50197	IND-10211-00M	Oxyfuel Cutting	.70/1.09	\$52.50				
50198	IND-10212-00M	Wiring: Commercial and Industrial	.30/.47	\$22.50				
50199	IND-10213-00M	Alternating Current	.60/.94	\$45.00				
50200	IND-10214-00M	Motors: Theory and Application	.80/1.25	\$60.00				
50201	IND-10215-00M	Grounding	.50/.78	\$37.50				
50202	IND-10216-00M	Boxes and Fittings	.40/.63	\$30.00				
50203	IND-10217-00M	Cable Tray	.60/.94	\$45.00				
50575	IND-10218-00M	Conductor Terminations & Splices	.30/.47	\$22.50				
50564	IND-10219-00M	Installation of Electrical Services	.60/.94	\$45.00				
50560	IND-10220-00M	Circuit Breakers and Fuses	.50/.78	\$37.50				
50558	IND-10221-00M	Contactors and Relays	.40/.63	\$30.00				
50552	IND-10222-00M	Lubrication	.80/1.25	\$60.00				
50528	IND-10223-00M	Intro to Bearings	.60/.94	\$45.00				
50520	IND-10224-00M	Copper & Plastic Piping Practices	.20/.31	\$15.00				
50516	IND-10225-00M	Ferrous Metal Piping Practices	.20/.31	\$15.00				
50451	IND-10226-00M	Piping Systems	.20/.31	\$15.00				
50449	IND-10227-00M	SMAW Equipment and Setup	.20/.31	\$15.00				
50436	IND-20228-00M	Overcurrent Protection	.50/.78	\$37.50				
50435	IND-20229-00M	Distribution Equipment	.50/.78	\$37.50				
50424	IND-20230-00M	Motor Controls	.80/1.25	\$60.00				
50348	IND-20231-00M	Motor Maintenance, Part One	.50/.78	\$37.50				
50292	IND-20232-00M	Motor Maintenance, Part Two	.50/.78	\$37.50				
50276	IND-20233-00M	Installing Couplings	.60/.94	\$45.00				
50222	IND-20234-00M	Installing Mechanical Seals	.80/1.25	\$60.00				
50221	IND-20235-00M	Installing Belt and Chain Drives	.40/.63	\$30.00				

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
50219	IND-20236-00M	Installing Bearings	.80/1.25	\$60.00				
50218	IND-20237-00M	Gaskets and Packing	.30/.47	\$22.50				
50224	IND-20238-00M	Installing Seals	.20/.31	\$15.00				
50225	IND-20239-00M	Pumps	.80/1.25	\$60.00				
50226	IND-20240-00M	Basic Hydraulic Systems	.40/.63	\$30.00				
50227	IND-20241-00M	Basic Pneumatic Systems	.60/.94	\$45.00				
50228	IND-20243-00M	Practical Applications of Lighting	.40/.63	\$30.00				
50229	IND-20244-00M	Standby and Emergency Systems	.50/.78	\$37.50				
50230	IND-20245-00M	Advanced Controls	.80/1.25	\$60.00				
50231	IND-20246-00M	Commercial & Industrial Refrig	.90/1.41	\$67.50				
50232	IND-20247-00M	Electricity in HVAC Systems	.80/1.25	\$60.00				
50233	IND-20248-00M	HVAC Controls	.60/.94	\$45.00				
50234	IND-20249-00M	Conventional Alignment	1.20/1.88	\$90.00				
50235	IND-20250-00M	Maintaining Valves	.40/.63	\$30.00				
50236	IND-20251-00M	Identifying and Installing Valves	.80/1.25	\$60.00				
50237	IND-20252-00M	Steam Traps	.40/.63	\$30.00				
50238	IND-20253-00M	Steam Systems	.60/.94	\$45.00				
50239	IND-20254-00M	Programmable Logic Controllers	.30/.47	\$22.50				
50240	IND-20255-00M	High Voltage Terminations/Splices	.40/.63	\$30.00				
50241	IND-20256-00M	Vibration Analysis, Heating/Cooling	.20/.31	\$15.00				
50242	IND-20258-00M	Preventative & Predictive Maint	.40/.63	\$30.00				
50243	IND-20259-00M	Performing Reverse Alignment	1.20/1.88	\$90.00				
50244	IND-20260-00M	Performing Laser Alignment	1.0/1.56	\$75.00				
50245	IND-20261-00M	Troubleshoot/Repair Pneuma Equip	.40/.63	\$30.00				
50246	IND-20262-00M	Troubleshoot/Repair Pumps	.40/.63	\$30.00				
50247	IND-20263-00M	Troubleshoot/Repair Hydraul Equip	.40/.63	\$30.00				
50248	IND-20264-00M	Troubleshoot/Repair Gearboxes	.80/1.25	\$60.00				
50249	IND-20265-00M	Programmable Logic Controllers	1.20/1.88	\$90.00				
50250	IND-20266-00M	Instrument Drawings & Documents	.40/.63	\$30.00				
50251	IND-20267-00M	Flow, Pressure, Level & Temperature	.40/.63	\$30.00				
50252	IND-20268-00M	Process Control Theory	.70/1.09	\$52.50				
50253	IND-20269-00M	Precision Measuring Tools	1.0/1.56	\$75.00				
50254	IND-20270-00M	Forklifts (Optional)	.40/.63	\$30.00				
50255	IND-20271-00M	Fiber Optics (Optional)	.80/1.25	\$60.00				

LANGUAGES - CENTRAL CAMPUS - ROSCOMMON

50139	FRE-11000-00	French I	4/4	\$20	6:00-8:00pm	MW	ADM-252	Compo
50584	SGN-10200-00	Fingerspelling	2/2	\$45	12:00-1:00pm	TR	ADM-252	Dawe
50585	SGN-11000-00	American Sign Language I	4/4	\$20	10:00-12:00pm	TR	ADM-252	Dawe
*50586	SGN-12000-00	American Sign Language II	4/4	\$45	3:00-5:00pm	TR	ADM-252	Dawe
*50605	SPN-12000-00	Spanish II	4/4	\$45	3:00-5:00pm	MW	ADM-252	Lemmen

MANUFACTURING PROCESSES TECHNOLOGY - CENTRAL CAMPUS - ROSCOMMON

MPT courses have been reorganized so students can register for individual components, many of which can be completed in one to two weeks. Students must meet with the instructor and complete a contract on the first night of class. Students not completing a contract will be dropped from FLEX courses. Manufacturing lab will be available to students Monday and Wednesday afternoons, 3:00-6:00pm. For more details contact Don Dyer, 989-275-5000 ext. 231.

50261	MPT-10272-00F	Machine Tool Safety	.17/.25	\$8.00				
50263	MPT-10273-00F	Identifying Surface Finishes	.08/.13	\$4.00				
50265	MPT-10274-00F	Shop Math - Speeds & Feeds	.21/.31	\$10.00				
50267	MPT-10275-00F	Sharpening Drill Bits	.25/.38	\$12.00				
49980	MPT-10276-00F	Drilling on a Press	.17/.25	\$8.00				
50271	MPT-10277-00F	Power Tap on the Drill Press	.25/.38	\$12.00				
50273	MPT-10278-00F	Drill Press Project	.58/.88	\$28.00				
50275	MPT-10279-00F	Band Saw Blade Welding	.25/.38	\$12.00				
50277	MPT-10280-00F	Vertical Band Saw Project	.25/.38	\$12.00				
50279	MPT-10281-00F	Maintaining the Lathe	.17/.25	\$8.00				
50281	MPT-10282-00F	Grinding Lathe Tools	.25/.38	\$12.00				
50283	MPT-10283-00F	Facing on the Lathe	.21/.31	\$10.00				
50285	MPT-10284-00F	Aligning Lathe Centers	.17/.25	\$8.00				
50287	MPT-10285-00F	Cutting External Threads	.50/.75	\$24.00				
50289	MPT-10286-00F	Dial in Vise/Trim in Head	.21/.31	\$10.00				
50291	MPT-10287-00F	Fly Cut/End Mill/Square Block	.21/.31	\$10.00				
50293	MPT-10288-00F	Digital Read/Drill, Tap, & Ream	.25/.38	\$12.00				
50295	MPT-10289-00F	Parallel Turning on the Lathe	.21/.31	\$10.00				
50297	MPT-10290-00F	Groove & Part on the Lathe	.13/.19	\$6.00				

= Sat/Sun/Evening Classes

TBA=To be announced

*=Pre/corequisite-see college catalog

i=Internet account required-see pg 29

R=Thursday

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
50299	MPT-10291-00F	Cutting Internal Threads	.42/.63	\$20.00				
50301	MPT-10292-00F	Knurling on the Lathe	.13/.19	\$6.00				
50303	MPT-10293-00F	Sharpen End Mills (End)	1.0/1.5	\$48.00				
50305	MPT-10294-00F	Sharpen Various Cutters	1.0/1.5	\$48.00				
50306	MPT-10295-00F	Tilt Head & Turn Vise/Cut "V"	.50/.75	\$24.00				
50308	MPT-10296-00F	Turntable/Cut Radii	.33/.5	\$16.00				
50310	MPT-10297-00F	Sine Plate/Cut Angles	.33/.5	\$16.00				
50312	MPT-10298-00F	Boring Head/Bore 4 Holes	.33/.5	\$16.00				
50314	MPT-10299-00F	Indexing Head/Key Ways	.17/.25	\$8.00				
50004	MPT-10302-00F	Square & Block (6 sides)	.25/.38	\$12.00				
50318	MPT-10303-00F	Grind Angles and Radii	.50/.75	\$24.00				
50320	MPT-10304-00F	Parallel Grind to Print	1.0/1.5	\$48.00				
50322	MPT-10305-00F	External/Internal Tapers	.50/.75	\$24.00				
50324	MPT-10306-00F	CNC Fundamentals	.83/1.25	\$40.00				
50326	MPT-10307-00F	Geom Dimen & Tolerancing	.33/.5	\$16.00				
50328	MPT-10308-00F	Micrometer	.13/.19	\$6.00				
50330	MPT-10309-00F	Calipers: Digital, Vernier, Dial	.17/.25	\$8.00				
50332	MPT-10310-00F	Telescoping Gauge	.13/.19	\$6.00				
50334	MPT-10311-00F	Depth Micrometer	.13/.19	\$6.00				
50336	MPT-10312-00F	Dial Indicators	.13/.19	\$6.00				
50338	MPT-10313-00F	Gauge Blocks	.13/.19	\$6.00				
50340	MPT-10314-00F	Machine Shop Trigonometry	.67/1.0	\$32.00				
50342	MPT-10315-00F	Height Gauge	.17/.25	\$8.00				
50344	MPT-10316-00F	Sine Bar	.17/.25	\$8.00				
50349	MPT-20319-00F	Property of Metals	.13/.19	\$6.00				
50351	MPT-20320-00F	Constitution of Alloys	.17/.25	\$8.00				
50353	MPT-20321-00F	Carbon & Alloy Steels	.13/.19	\$6.00				
50355	MPT-20322-00F	Heat/Surface Treat for Steel	.13/.19	\$6.00				
50357	MPT-20323-00F	Cast Irons	.13/.19	\$6.00				
50359	MPT-20324-00F	Light Metals & Alloys	.13/.19	\$6.00				
50361	MPT-20325-00F	Lead, Tin, & Zinc	.13/.19	\$6.00				
50363	MPT-20326-00F	Intro to Metallurgy	.46/.69	\$22.00				
50365	MPT-20327-00F	Exam/Identify Metals	.13/.19	\$6.00				
50367	MPT-20328-00F	Fund of Weld/Brazing/Casting	.13/.19	\$6.00				
50369	MPT-20329-00F	Fund of Weld Stainless Steel	.13/.19	\$6.00				
50371	MPT-20330-00F	Testing Metals	.42/.63	\$20.00				
50947	MPT-20331-00F	Machinery Handbook	.17/.25	\$8.00				
50907	MPT-20332-00F	Machine Tool Blueprint Reading	.83/1.25	\$40.00				
50908	MPT-20333-00F	Basic Shop Math	.67/1.0	\$32.00				
50909	MPT-20334-00F	Machine Tool Math	.75/1.23	\$36.00				
50910	MPT-20335-00F	Machinist Scale	.08/.13	\$4.00				
50911	MPT-20336-00F	Dividers	.08/.13	\$4.00				
50912	MPT-20337-00F	Spring Calipers	.08/.13	\$4.00				
50913	MPT-20338-00F	Combination Square	.08/.13	\$4.00				
50914	MPT-20339-00F	Legged Calipers (Hermaphrodite)	.08/.13	\$4.00				
50915	MPT-20340-00F	Surface Gauge	.08/.13	\$4.00				
50916	MPT-20366-00F	EDM Fundamentals	.29/.44	\$14.00				
50917	MPT-20367-00F	EDM Project	.50/.75	\$24.00				
50918	MPT-20368-00F	Universal Indexing Head	.50/.75	\$24.00				
50919	MPT-20370-00F	CNC Milling	1.67/2.5	\$80.00				
50920	MPT-20371-00F	Precision Vice	2.08/3.13	\$100.00				
50921	MPT-20372-00F	1-2-3 Blocks	1.0/1.5	\$48.00				
50922	MPT-20373-00F	Tool Makers V-Blocks	1.67/2.5	\$80.00				
50923	MPT-20374-00F	Transformation of Am Ind #1	.33/.50	\$16.00				
50924	MPT-20375-00F	Deming on Qual/Product #2	.33/.50	\$16.00				
50925	MPT-20376-00F	Model Qual/Productivity #3	.33/.50	\$16.00				
50926	MPT-20377-00F	Project Selection #4	.33/.50	\$16.00				
50927	MPT-20378-00F	Data Gathering & Prob Solv #5	.33/.50	\$16.00				
50928	MPT-20379-00F	Data Analysis & Interpret #6	.33/.50	\$16.00				
50929	MPT-20380-00F	Control X-Bar & R-Charts #7	.33/.50	\$16.00				
50930	MPT-20381-00F	Process Capability #8	.33/.50	\$16.00				
50931	MPT-20382-00F	Median & Individual Charts #9	.33/.50	\$16.00				
50932	MPT-20383-00F	Attribute Charts #10	.33/.50	\$16.00				
50933	MPT-20384-00F	Project Evaluation #11	.33/.50	\$16.00				
50934	MPT-20385-00F	Cont Improve Strategies #12	.33/.50	\$16.00				
50935	MPT-20386-00F	Reaming on the Drill Press	.13/.19	\$6.00				

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
50936	MPT-20387-00F	Counterbore/Sink, Spot-Face	.21/.31	\$10.00				
50937	MPT-20388-00F	Hand Tap on the Drill Press	.21/.31	\$10.00				
50938	MPT-20389-00F	Boring Internal Tapers	.67/1.0	\$32.00				
59039	MPT-20390-00F	Lathe Project	1.25/1.88	\$60.00				
50940	MPT-20391-00F	Horizontal Milling/Saw Slot	.17/.25	\$8.00				
50941	MPT-20392-00F	5C Collet Holders/Cut Sq/Hex	.33/.50	\$16.00				
50942	MPT-20393-00F	Make Dove Tails	.67/1.0	\$32.00				
50943	MPT-20394-00F	Mill Project	1.25/1.88	\$60.00				
50944	MPT-20395-00F	Complete Two Projects to Print	1.58/2.38	\$76.00				
50945	MPT-20397-00F	Sine Bar Project	.83/1.25	\$40.00				
50946	MPT-20398-00F	CNC Advanced Programming	2.08/3.13	\$100.00				

MANUFACTURING PROCESSES TECHNOLOGY - MTEC - GAYLORD

50262	MPT-10272-00M	Machine Tool Safety	.17/.25	\$8.00				
50264	MPT-10273-00M	Identifying Surface Finishes	.08/.13	\$4.00				
50266	MPT-10274-00M	Shop Math - Speeds and Feeds	.21/.31	\$10.00				
49948	MPT-10275-00M	Sharpening Drill Bits	.25/.38	\$12.00				
50270	MPT-10276-00M	Drilling on a Press	.17/.25	\$8.00				
50272	MPT-10277-00M	Power Tap on the Drill Press	.25/.38	\$12.00				
50274	MPT-10278-00M	Drill Press Project	.58/.88	\$28.00				
49984	MPT-10279-00M	Band Saw Blade Welding	.25/.38	\$12.00				
50278	MPT-10280-00M	Vertical Band Saw Project	.25/.38	\$12.00				
50280	MPT-10281-00M	Maintaining the Lathe	.17/.25	\$8.00				
50282	MPT-10282-00M	Grinding Lathe Tools	.25/.38	\$12.00				
50284	MPT-10283-00M	Facing on the Lathe	.21/.31	\$10.00				
50286	MPT-10284-00M	Aligning Lathe Centers	.17/.25	\$8.00				
50288	MPT-10285-00M	Cutting External Threads	.50/.75	\$24.00				
50290	MPT-10286-00M	Dial in Vise/Tram in Head	.21/.31	\$10.00				
49992	MPT-10287-00M	Fly Cutter & End Mill/Square Block	.21/.31	\$10.00				
50294	MPT-10288-00M	Digital Read/Drill, Tap, & Ream	.25/.38	\$12.00				
50296	MPT-10289-00M	Parallel Turning on the Lathe	.21/.31	\$10.00				
50298	MPT-10290-00M	Groove & Part on the Lathe	.13/.19	\$6.00				
50300	MPT-10291-00M	Cutting Internal Threads	.42/.63	\$20.00				
50302	MPT-10292-00M	Knurling on the Lathe	.13/.19	\$6.00				
50304	MPT-10293-00M	Sharpen End Mills (End)	1.0/1.5	\$48.00				
50307	MPT-10295-00M	Tilt Head and Turn Vise/Cut "V"	.50/.75	\$24.00				
50309	MPT-10296-00M	Turntable/Cut Radii	.33/.50	\$16.00				
50311	MPT-10297-00M	Sine Plate/Cut Angles	.33/.50	\$16.00				
50313	MPT-10298-00M	Boring Head/Bore 4 Holes	.33/.50	\$16.00				
50315	MPT-10299-00M	Indexing Head/Key Ways	.17/.25	\$8.00				
50317	MPT-10302-00M	Square and Block (6 Sides)	.25/.38	\$12.00				
50319	MPT-10303-00M	Grind Angles and Radii	.50/.75	\$24.00				
50321	MPT-10304-00M	Parallel Grind to Print	1.0/1.5	\$48.00				
50323	MPT-10305-00M	External/Internal Tapers	.50/.75	\$24.00				
50325	MPT-10306-00M	CNC Fundamentals	.83/1.25	\$40.00				
50327	MPT-10307-00M	Geom Dimensioning & Tolerancing	.33/.50	\$16.00				
50329	MPT-10308-00M	Micrometer	.13/.19	\$6.00				
50331	MPT-10309-00M	Calipers: Digital, Vernier, Dial	.17/.25	\$8.00				
50333	MPT-10310-00M	Telescoping Gauge	.13/.19	\$6.00				
50335	MPT-10311-00M	Depth Micrometer	.13/.19	\$6.00				
50337	MPT-10312-00M	Dial Indicators	.13/.19	\$6.00				
50339	MPT-10313-00M	Gauge Blocks	.13/.19	\$6.00				
50341	MPT-10314-00M	Machine Shop Trigonometry	.67/1.0	\$32.00				
50343	MPT-10315-00M	Height Gauge	.17/.25	\$8.00				
50345	MPT-10316-00M	Sine Bar	.17/.25	\$8.00				
50346	MPT-10364-00M	Cut Radius and External Tapers	.50/.75	\$24.00				
50347	MPT-10408-00M	Math for Dividing Head	.17/.25	\$8.00				
50020	MPT-10409-00M	Dividing Head/Cut Gear	.42/.63	\$20.00				
50350	MPT-20319-00M	Prop of Metals/Physical Metallurgy	.13/.19	\$6.00				
50352	MPT-20320-00M	Constitution of Alloys	.17/.25	\$8.00				
50354	MPT-20321-00M	Carbon & Alloy Steels	.13/.19	\$6.00				
50356	MPT-20322-00M	Heat and Surface Treat for Steel	.13/.19	\$6.00				
50358	MPT-20323-00M	Cast Irons	.13/.19	\$6.00				
50360	MPT-20324-00M	Light Metals and Alloys	.13/.19	\$6.00				
50362	MPT-20325-00M	Lead, Tin, and Zinc	.13/.19	\$6.00				
50364	MPT-20326-00M	Introduction to Metallurgy	.46/.69	\$22.00				
50366	MPT-20327-00M	Examining and Identifying Metals	.13/.19	\$6.00				

= Sat/Sun/Evening Classes

TBA=To be announced

*=Pre/corequisite-see college catalog

i=Internet account required-see pg 29

R=Thursday

KCC

WINTER SCHEDULE

KCC

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ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
50368	MPT-20328-00M	Fund of Welding & Brazing/Casting	.13/19	\$6.00				
50370	MPT-20329-00M	Fund of Welding Stainless Steel	.13/19	\$6.00				
50372	MPT-20330-00M	Testing Metals	.42/63	\$20.00				
50373	MPT-20331-00M	Machinery Handbook	.17/25	\$8.00				
50374	MPT-20332-00M	Machine Tool Blueprint Reading	.83/1.25	\$40.00				
50375	MPT-20333-00M	Basic Shop Math	.67/1.0	\$32.00				
50376	MPT-20334-00M	Machine Tool Math	.75/1.13	\$36.00				
50377	MPT-20335-00M	Machinist Scale	.08/13	\$4.00				
50378	MPT-20336-00M	Dividers	.08/13	\$4.00				
50379	MPT-20337-00M	Spring Calipers	.08/13	\$4.00				
50380	MPT-20338-00M	Combination Square	.08/13	\$4.00				
50381	MPT-20339-00M	Legged Calipers (Hermaphrodite)	.08/13	\$4.00				
50382	MPT-20340-00M	Surface Gauge	.08/13	\$4.00				
50383	MPT-20366-00M	EDM Fundamentals	.29/44	\$14.00				
50384	MPT-20367-00M	EDM Project	.50/75	\$24.00				
50385	MPT-20368-00M	Universal Indexing Head	.50/75	\$24.00				
50386	MPT-20371-00M	Precision Vise	2.08/3.13	\$100.00				
50387	MPT-20372-00M	1-2-3	1.0/1.5	\$48.00				
50388	MPT-20373-00M	Tool Makers V-Blocks	1.67/2.5	\$80.00				
50389	MPT-20374-00M	Transformation of Am Industry #1	.33/50	\$16.00				
50390	MPT-20375-00M	Deming on Quality & Product #2	.33/50	\$16.00				
50391	MPT-20376-00M	Model Quality/Product Improve #3	.33/50	\$16.00				
50392	MPT-20377-00M	Project Selection #4	.33/50	\$16.00				
50393	MPT-20378-00M	Data Gathering & Prob Solving #5	.33/50	\$16.00				
50394	MPT-20379-00M	Data Analysis and Interpretation #6	.33/50	\$16.00				
50395	MPT-20380-00M	Proc Cntl - X-Bar and R-Charts #7	.33/50	\$16.00				
50396	MPT-20381-00M	Process Capability #8	.33/50	\$16.00				
50397	MPT-20382-00M	Median and Individual Charts #9	.33/50	\$16.00				
50398	MPT-20383-00M	Attribute Charts #10	.33/50	\$16.00				
50399	MPT-20384-00M	Project Evaluation #11	.33/50	\$16.00				
50400	MPT-20385-00M	Cont Improvement Strategies #12	.33/50	\$16.00				
50401	MPT-20386-00M	Reaming on the Drill Press	.13/19	\$6.00				
50402	MPT-20387-00M	Counterbore/Sink, Spot-Face	.21/31	\$10.00				
50403	MPT-20388-00M	Hand Tap on the Drill Press	.21/31	\$10.00				
50404	MPT-20389-00M	Boring Internal Tapers	.67/1.0	\$32.00				
50405	MPT-20390-00M	Lathe Project	1.25/1.88	\$60.00				
50406	MPT-20392-00M	5C Collet Holders/Cut Square & Hex	.33/50	\$16.00				
50407	MPT-20393-00M	Make Dove Tails	.67/1.0	\$32.00				
50408	MPT-20394-00M	Mill Project	1.25/1.88	\$60.00				
50409	MPT-20395-00M	Complete Two Projects to Print	1.58/2.38	\$76.00				
50410	MPT-20397-00M	Sine Bar Project	.83/1.25	\$40.00				
50411	MPT-20398-00M	CNCAdvanced Programming	2.08/3.13	\$100.00				
50412	MPT-20399-00M	Sharpen Eng Mills (Sides)	1.0/1.5	\$48.00				

MATHEMATICS - Developmental - CENTRAL CAMPUS - ROSCOMMON

†49949	DEV-06300-00	Basic Mathematics	4/4	\$6	8:00-10:00am	MW	INS-15	Rickard
†49982	DEV-06300-01	Basic Mathematics	4/4	\$6	6:00-8:00pm	MW	INS-16	TBA
†49983	DEV-06300-02	Basic Mathematics	4/4	\$6	10:00-12:00pm	TR	INS-16	E.Baughn
†49837	DEV-06300-03	Basic Mathematics	4/4	\$6	3:00-5:00pm	TR	INS-16	Doran
† NOTE: All testing for DEV-06300 will be done in the Testing Center. Students should allow one add'l hour per week for testing.								
*49986	DEV-07300-00	Basic Algebra	4/4	\$6	10:00-12:00pm	MW	INS-1	Lange
*49988	DEV-07300-01	Basic Algebra	4/4	\$6	12:00-2:00pm	MW	INS-1	Lange
*49989	DEV-07300-02	Basic Algebra	4/4	\$6	6:00-8:00pm	MW	INS-1	Mulka
*49990	DEV-07300-03	Basic Algebra	4/4	\$6	10:00-12:00pm	TR	INS-1	K.Baughn
*49991	DEV-07300-04	Basic Algebra	4/4	\$6	12:00-2:00pm	TR	INS-1	Romancky
*49842	DEV-07300-05	Basic Algebra	4/4	\$6	3:00-5:00pm	TR	INS-1	E.Baughn
*49994	DEV-07300-60	i Basic Algebra	4/4	\$45				Utech
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Dani Utech, email utechtd@kirtland.edu.								
*49995	DEV-07300-61	i Basic Algebra	4/4	\$45				Korman
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Dan Korman, email kormand@kirtland.edu.								
*49996	DEV-07400-00	Basic Algebra Lab	1/1	\$6	9:00-10:00am	M	INS-1	K. Baughn
*49998	DEV-07400-01	Basic Algebra Lab	1/1	\$6	9:00-10:00am	W	INS-1	K. Baughn
*49999	DEV-07400-02	Basic Algebra Lab	1/1	\$6	2:00-3:00pm	M	INS-1	Romancky
*50000	DEV-07400-03	Basic Algebra Lab	1/1	\$6	5:00-6:00pm	M	INS-1	Mulka

ONLINE REQ#	COURSE-SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG-RM	INSTR
*50001	DEV-07400-04	Basic Algebra Lab	1/1	\$6	9:00-10:00am	T	INS-1	Romancky
*50002	DEV-07400-05	Basic Algebra Lab	1/1	\$6	2:00-3:00pm	T	INS-1	Romancky
*50003	DEV-07400-06	Basic Algebra Lab	1/1	\$6	2:00-3:00pm	R	INS-1	K.Baughn
*50005	DEV-07400-60	i Basic Algebra Lab	1/1	\$45	Online Course			Utecht
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Dani Utecht, email utechtd@kirtland.edu.								
*50006	DEV-07400-61	i Basic Algebra Lab	1/1	\$45	Online Course			Korman
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Dan Korman, email kormand@kirtland.edu.								

MATHEMATICS - Developmental - MTEC - GAYLORD

49981	DEV-06300-00M	Basic Mathematics	4/4	\$6	10:00-12:00pm	MW	MTEC-107	Phelps
*49987	DEV-07300-00M	Basic Algebra	4/4	\$6	3:00-5:00pm	TR	MTEC-105	Neigh
*49997	DEV-07400-00M	Basic Algebra Lab	1/1	\$6	2:00-3:00pm	T	MTEC-105	Neigh

MATHEMATICS - Developmental - WEST BRANCH

*49993	DEV-07300-06	Basic Algebra	4/4	\$6	4:00-6:00pm	MW	W.Branch	TBA
*49848	DEV-07400-07	Basic Algebra Lab	1/1	\$6	3:00-4:00pm	M	W.Branch	TBA

MATHEMATICS - College Level - CENTRAL CAMPUS - ROSCOMMON

*50413	MTH-12000-00	Intermediate Algebra	4/4		8:00-10:00am	MW	ADM-106	Holton
*50415	MTH-12000-01	Intermediate Algebra	4/4		10:00-12:00pm	MW	INS-15	Romancky
*50416	MTH-12000-02	Intermediate Algebra	4/4		12:00-2:00pm	MW	ADM-106	K.Baughn
*50417	MTH-12000-03	Intermediate Algebra	4/4		3:00-5:00pm	MW	ADM-105	K.Baughn
*50887	MTH-12000-80	i Intermediate Algebra	4/4	\$45	10:00-12:00pm	TR	ADM-105	Mace

HYBRID COURSE REQUIREMENTS: Online Orientation (see page 29), MS Word and KCC E-mail.
 This course will be a combination of on-campus and online instruction. Contact Doug Mace, email maced@kirtland.edu.

*50418	MTH-12000-04	Intermediate Algebra	4/4		12:00-2:00pm	TR	ADM-105	Holton
*50419	MTH-12000-05	Intermediate Algebra	4/4		3:00-5:00pm	TR	ADM-135	K.Baughn
*50420	MTH-12000-06	Intermediate Algebra	4/4		6:00-8:00pm	TR	ADM-105	Scheer
*50423	MTH-12000-60	i Intermediate Algebra	4/4	\$45	Online Course			Mace

ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail.
 Contact Doug Mace, email maced@kirtland.edu.

*50058	MTH-12000-61	i Intermediate Algebra	4/4	\$45	Online Course			Mace
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ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail.
 Contact Doug Mace, email maced@kirtland.edu.

*50425	MTH-13000-00	College Algebra	4/4		10:00-12:00pm	MW	ADM-106	Holton
*50888	MTH-13000-60	i College Algebra	4/4	\$45	Online Course			Holton

ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail.
 Contact Nick Holton, email holtonn@kirtland.edu.

*50427	MTH-14000-00	Trigonometry	3/3		10:00-11:30am	TR	INS-15	Holton
*50060	MTH-20600-80	i Application in Statistics	4/4	\$45	10:00-12:00pm	MW	ADM-105	Mace

HYBRID COURSE REQUIREMENTS: Online Orientation (see page 29), MS Word and KCC E-mail.
 This course will be a combination of on-campus and online instruction. Contact Doug Mace, email maced@kirtland.edu.

*50429	MTH-21700-00	Math for Elementary Teachers II	3/3		6:00-9:00pm	T	INS-16	Kauffman
*50889	MTH-22102-80	i Calculus II	4/4	\$45	12:00-2:00pm	MW	ADM-105	Mace

HYBRID COURSE REQUIREMENTS: Online Orientation (see page 29), MS Word and KCC E-mail.
 This course will be a combination of on-campus and online instruction. Contact Doug Mace, email maced@kirtland.edu.

*50432	MTH-23000-00	Differential Equations	4/4		8:00-10:00am	MW	ADM-105	Mace
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MATHEMATICS - College Level - MTEC - GAYLORD

*50414	MTH-12000-00M	Intermediate Algebra	4/4		6:00-8:00pm	TR	MTEC-105	Neigh
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MUSIC - CENTRAL CAMPUS - ROSCOMMON

50433	MUS-10400-00	Piano I	3/3		6:00-9:00pm	M	STU-Lab	Peterson
50434	MUS-10400-01	Piano I	3/3		10:00-11:30am	TR	STU-Lab	Peterson
*50763	MUS-10500-00	Piano II	3/3		6:00-9:00pm	M	STU-Lab	Peterson
*50775	MUS-10500-01	Piano II	3/3		10:00-11:30am	TR	STU-Lab	Peterson
50437	MUS-10802-00	Acoustic Guitar I	2/2	\$10	6:00-8:00pm	T	ADM-135	Peterson
*50762	MUS-10901-00	Acoustic Guitar II	2/2	\$10	6:00-8:00pm	T	ADM-135	Peterson
50893	MUS-12300-60	i Jazz History & Appreciation	3/3	\$45	Online Course			Peterson

ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail.
 Contact Candy Peterson, email petersca@kirtland.edu.

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
KCC								
NURSING - CENTRAL CAMPUS - ROSCOMMON - Restricted admission - contact the Health Careers Office for details.								
*50440	NUR-10300-90	i Nursing Essentials WEB ENHANCED COURSE: Details on page 27.	2/2	\$10	12:00-2:00pm	T	INS-108	Pavelek
*50441	NUR-10502-90	i Foundations of Nursing WEB ENHANCED COURSE: Details on page 27.	3/3	\$24	8:00-11:00am	T	INS-123	McClure
*50442	NUR-10803-90	i Nursing Practice Lab WEB ENHANCED COURSE: Details on page 27.	3/4	\$140	1:00-5:00pm	M	INS-213	Greenen
*50443	NUR-10803-91	i Nursing Practice Lab WEB ENHANCED COURSE: Details on page 27.	3/4	\$140	1:00-5:00pm	W	INS-213	Greenen
*50444	NUR-12304-00	Nursing Clinical II	5/15	\$45	TBA			
*50446	NUR-12304-01	Nursing Clinical II	5/15	\$45	TBA			
*50448	NUR-12304-02	Nursing Clinical II	5/15	\$45	TBA			
*50450	NUR-12304-03	Nursing Clinical II	5/15	\$45	TBA			
*50072	NUR-12304-04	Nursing Clinical II	5/15	\$45	TBA			
*50453	NUR-12304-05	Nursing Clinical II	5/15	\$45	TBA			
*50454	NUR-12304-06	Nursing Clinical II	5/15	\$45	TBA			
*50455	NUR-12304-07	Nursing Clinical II	5/15	\$45	TBA			
*50456	NUR-12304-08	Nursing Clinical II	5/15	\$45	TBA			
*50457	NUR-12304-09	Nursing Clinical II	5/15	\$45	TBA			
*50458	NUR-12503-90	i Adult Medical-Surgical Nursing WEB ENHANCED COURSE: Details on page 27.	4/4	\$42	8:00-12:00pm	W	INS-11	McClure
*50460	NUR-12503-91	i Adult Medical-Surgical Nursing WEB ENHANCED COURSE: Details on page 27.	4/4	\$42	8:00-12:00pm	R	INS-11	McClure
*50461	NUR-12800-90	i Maternal-Child Nursing Care WEB ENHANCED COURSE: Details on page 27.	2/2	\$20	3:30-5:30pm	W	INS-123	Mogle
*50463	NUR-12800-91	i Maternal-Child Nursing Care WEB ENHANCED COURSE: Details on page 27.	2/2	\$20	3:30-5:30pm	R	INS-11	Mogle
*50464	NUR-12800-92	i Maternal-Child Nursing Care WEB ENHANCED COURSE: Details on page 27.	2/2	\$20	1:00-3:00pm	R	INS-11	Mogle
*50466	NUR-20900-90	i Pharmacology II WEB ENHANCED COURSE: Details on page 27.	2/2	\$20	1:00-3:00pm	W	INS-11	Hubbard
*50468	NUR-20900-91	i Pharmacology II WEB ENHANCED COURSE: Details on page 27.	2/2	\$20	3:00-5:00pm	R	INS-108	McClure
*50469	NUR-21400-90	i Nursing Pharmacology WEB ENHANCED COURSE: Details on page 27.	2/2	\$25	2:00-4:00pm	R	INS-108	TBA
*50470	NUR-22001-90	i Nursing Assessment WEB ENHANCED COURSE: Details on page 27.	3/3	\$45	8:00-11:00am	R	INS-208	TBA
*50471	NUR-22201-90	i Critical Thinking in Adult Care WEB ENHANCED COURSE: Details on page 27.	5/5	\$30	8:00-11:00am	W	INS-123	Hillman
*50472	NUR-22300-90	i Adult Nursing Clinical WEB ENHANCED COURSE: Details on page 27.	5/15	\$45	11:00-1:00pm	R	INS-208	Hillman
*50473	NUR-22300-91	i Adult Nursing Clinical WEB ENHANCED COURSE: Details on page 27.	5/15	\$45	TBA	MT	GMH	TBA
*50474	NUR-22300-92	i Adult Nursing Clinical WEB ENHANCED COURSE: Details on page 27.	5/15	\$45	TBA	MT	WBRMC	TBA
*50475	NUR-22300-92	i Adult Nursing Clinical WEB ENHANCED COURSE: Details on page 27.	5/15	\$45	TBA	MT	OMH	Mogle
*50475	NUR-23200-90	i Family Centered Pediatrics WEB ENHANCED COURSE: Details on page 27.	2/2	\$20	8:00-10:00am	W	INS-108	Hubbard
*50476	NUR-24201-90	i Community Mental Health WEB ENHANCED COURSE: Details on page 27.	2/2	\$10	12:00-2:00pm	R	INS-108	Pavelek
*50477	NUR-24302-90	i Community Mental Health Clinical WEB ENHANCED COURSE: Details on page 27.	1.5/4.5	\$15	8:00-4:00pm	M	Various	Pavelek
*50478	NUR-24302-91	i Community Mental Health Clinical WEB ENHANCED COURSE: Details on page 27.	1.5/4.5	\$15	8:00-4:00pm	T	Various	Greenen
*50479	NUR-24302-92	i Community Mental Health Clinical WEB ENHANCED COURSE: Details on page 27.	1.5/4.5	\$15	8:00-4:00pm	F	Various	Greenen
*50480	NUR-24600-90	i Nursing Care of Women WEB ENHANCED COURSE: Details on page 27.	2/2	\$20	1:00-3:00pm	W	ADM-135	Mogle
*50481	NUR-24900-00	Pediatric/Women's Health Clinical	1.5/4.5	\$15	TBA	F	Skrocki/Anderson	
*50482	NUR-24900-01	Pediatric/Women's Health Clinical	1.5/4.5	\$15	TBA	M	Skrocki/Anderson	
*50483	NUR-24900-02	Pediatric/Women's Health Clinical	1.5/4.5	\$15	7:00-3:00am	R	Skrocki/Anderson	
*50484	NUR-25201-90	i Professional Practice WEB ENHANCED COURSE: Details on page 27.	2/2	\$10	10:00-12:00pm	W	ADM-136	Pavelek
*50485	NUR-25201-91	i Professional Practice WEB ENHANCED COURSE: Details on page 27.	2/2	\$10	1:00-3:00pm	W	INS-108	Pavelek

WINTER SCHEDULE

KCC

22

= Sat/Sun/Evening Classes

TBA=To be announced

*=Pre/corequisite-see college catalog

i=Internet account required-see pg 29

R=Thursday

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
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NURSING - MTEC - GAYLORD - Restricted admission - contact the Health Careers Office for details.

*50445	NUR-12304-00M	Nursing Clinical II	5/15	\$45	TBA			
*50447	NUR-12304-01M	Nursing Clinical II	5/15	\$45	TBA			
*50459	NUR-12503-90M	i Adult Medical-Surgical Nursing	4/4	\$42	11:30-3:30pm	M	MTEC-103	McClure
WEB ENHANCED COURSE: Details on page 27.								
*50462	NUR-12800-90M	i Maternal-Child Nursing Care	2/2	\$20	4:00-6:00pm	M	MTEC-103	Mogle
WEB ENHANCED COURSE: Details on page 27.								
*50467	NUR-20900-90M	i Pharmacology II	2/2	\$20	8:30-10:30am	M	MTEC-103	McClure
WEB ENHANCED COURSE: Details on page 27.								

OFFICE INFORMATION SYSTEMS - CENTRAL CAMPUS - ROSCOMMON - Contact Lisa Lashley, 989-275-5000, ext 345 or email lashleyl@kirtland.edu.

50488	OIS-10100-00F	i Basic Keyboarding	1/1	\$5	FLEX Mandatory mtg 1/8, 12pm, ADM-247			
50489	OIS-10401-00F	i Keyboarding I-A	1/1	\$5	FLEX Mandatory mtg 1/8, 3pm, ADM-247			
50490	OIS-10402-00F	i Keyboarding I-B	1/1	\$5	FLEX			
50491	OIS-10403-00F	i Keyboarding I-C	1/1	\$5	FLEX			
*50492	OIS-10500-00F	i Bus Correspondence	3/3	\$5	FLEX Mandatory mtg 1/7, 2:00pm, ADM-206			
50493	OIS-10600-00F	i Intro to Health Info Systems	3/3	\$5	FLEX Mandatory mtg 1/7, 9am, ADM-206			
*50494	OIS-10701-00F	i Medical Office Transcription-A	1/1	\$5	FLEX Mandatory mtg 1/7, 4pm, ADM-206			
*50495	OIS-10702-00F	i Medical Office Transcription-B	1/1	\$5	FLEX			
*50496	OIS-10703-00F	i Medical Office Transcription-C	1/1	\$5	FLEX			
*50497	OIS-10800-00F	i Medical Transcription I	3/3	\$25	FLEX Mandatory mtg 1/7, 5pm, ADM-247			
50498	OIS-11201-00F	i Business Calculations	3/3	\$25	FLEX Mandatory mtg 1/8, 9am, ADM-206			
*50499	OIS-11300-00F	i Medical Coding I	3/3	\$5	FLEX Mandatory mtg 1/8, 12pm, ADM-206			
*50500	OIS-11401-00F	i Keyboarding II-A	1/1	\$5	FLEX Mandatory mtg 1/8, 9am, ADM-247			
*50501	OIS-11402-00F	i Keyboarding II-B	1/1	\$5	FLEX			
*50502	OIS-11403-00F	i Keyboarding II-C	1/1	\$5	FLEX			
*50503	OIS-11500-00F	i Medical Billing & Coding	3/3	\$5	FLEX Mandatory mtg 1/8, 12pm, ADM-206			
*50504	OIS-17000-00F	i Legal Term & Transcription	3/3	\$5	FLEX Mandatory mtg 1/7, 5pm, ADM-249			
50505	OIS-18201-00F	i Word Processing I-Word-A	1/1	\$5	FLEX Mandatory mtg 1/7, 10am, ADM-247			
*50506	OIS-18202-00F	i Word Processing I-Word-B	1/1	\$5	FLEX			
*50507	OIS-18203-00F	i Word Processing I-Word-C	1/1	\$5	FLEX			
*50100	OIS-19001-00F	i Machine Transcription-A	1/1	\$10	FLEX Mandatory mtg 1/8, 10am, ADM-247			
*50509	OIS-19002-00F	i Machine Transcription-B	1/1	\$10	FLEX			
*50510	OIS-19003-00F	i Machine Transcription-C	1/1	\$10	FLEX			
50511	OIS-20501-00F	i Records Management-A	1/1	\$5	FLEX Mandatory mtg 1/7, 1pm, ADM-206			
*50512	OIS-20502-00F	i Records Management-B	1/1	\$5	FLEX			
*50513	OIS-20503-00F	i Records Management-C	1/1	\$5	FLEX			
50514	OIS-20600-00F	i Medical Transcription II	3/3	\$25	FLEX Mandatory mtg 1/7, 5pm, ADM-247			
50515	OIS-20700-00F	i Medical Transcription III	3/3	\$25	FLEX Mandatory mtg 1/7, 5pm, ADM-247			
*50104	OIS-21000-00F	i Office Procedures	3/3	\$5	FLEX Mandatory mtg 1/8, 11am, ADM-206			
*50517	OIS-21100-00F	i Medical Office Procedures	3/3	\$5	FLEX Mandatory mtg 1/8, 11am, ADM-247			
*50518	OIS-21300-00F	i Medical Coding II	3/3	\$5	FLEX Mandatory mtg 1/8, 12pm, ADM-206			
*50519	OIS-21400-00F	i Keyboarding III	3/3	\$25	FLEX Mandatory mtg 1/8, 1pm, ADM-247			
*50106	OIS-21500-00F	i Desktop Publishing for the Office	3/3	\$5	Contact Kathy Taylor at taylorlk@kirtland.edu			
*50521	OIS-22100-60	i Office Pharmacology	2/2	\$45	Online Course Frick			

ONLINE COURSE REQUIREMENTS: Online Orientation (see page 29), MS Word and KCC E-mail. Contact MaryAnn Frick, email frickm@kirtland.edu.

*50522	OIS-22200-00F	i Word Processing II-Word	3/3	\$5	FLEX Mandatory mtg 1/8, 12pm, ADM-204			
*50523	OIS-22500-00F	i Legal Office Procedures	3/3	\$5	FLEX Mandatory mtg 1/7, 6pm, ADM-247			
*50108	OIS-24101-00F	i Internship-Administrative Asst	3/3	\$5	FLEX Mandatory mtg 1/8, 2pm, ADM-206			
*50525	OIS-24102-00F	i Internship-Legal Secretary	3/3	\$5	FLEX Mandatory mtg 1/8, 2pm, ADM-206			
*50526	OIS-24103-00F	i Internship-Medical Secretary	3/3	\$5	FLEX Mandatory mtg 1/8, 2pm, ADM-206			
*50527	OIS-24106-00F	i Internship-Medical Trans	4/4	\$5	FLEX Mandatory mtg 1/8, 2pm, ADM-206			
*50110	OIS-24107-00F	i Internship-Adv Word Proc Spec	3/3	\$5	FLEX Mandatory mtg 1/8, 2pm, ADM-206			
*50529	OIS-24108-00F	i Internship-Medical Clerk	3/3	\$5	FLEX Mandatory mtg 1/8, 2pm, ADM-206			
*50530	OIS-24109-00F	i Internship-Medical Bill/Coding	4/4	\$5	FLEX Mandatory mtg 1/8, 2pm, ADM-206			

OUTDOOR POWER ENGINES - MTEC - GAYLORD

50531	OPE-10001-00M	Two & Four Cycle Engines Level I	3/4	\$64	1:00-5:00pm	R	MTEC	Harwood
*50532	OPE-11032-00M	Two & Four Cycle Engines Level 2	3/4	\$64	9:00-1:00pm	T	MTEC	Harwood
*51613	OPE-11032-01M	Two & Four Cycle Engines Level 2	3/4	\$64	9:00-1:00pm	R	MTEC	Harwood
*50533	OPE-14000-00M	Small Engine Electricity	3/4	\$64	9:00-1:00pm	W	MTEC	Mabarak
*51614	OPE-20100-00M	Outdoor Power Engines Capstone	3/4	\$64	9:00-1:00pm	M	MTEC	Lash
*50840	OPE-20310-00M	Powersports Equipment I	3/4	\$64	1:00-5:00pm	M	MTEC	Lash
*50534	OPE-20510-00M	Watercraft I	3/4	\$64	5:00-9:00pm	W	MTEC	Lash

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
<u>PHILOSOPHY - CENTRAL CAMPUS - ROSCOMMON</u>								
*50535	PHL-21000-90	i Intro to Ethics WEB ENHANCED COURSE: Details on page 27.	3/3		1:30-3:00pm	MW	ADM-206	Giacobazzi
*50536	PHL-21000-91	i Intro to Ethics WEB ENHANCED COURSE: Details on page 27.	3/3		3:00-6:00pm	M	ADM-204	Giacobazzi
<u>PHYSICS - CENTRAL CAMPUS - ROSCOMMON</u>								
*50537	PHY-10501-00	Physical Science	3/3		10:00-11:30am	MW	INS-10	Cochran
*50538	PHY-10502-00	Physical Science Lab	1/2	\$25	12:00-2:00pm	W	INS-119	Cochran
*51620	PHY-20101-90	i Physics I w/Trigonometry WEB ENHANCED COURSE: Details on page 27.	4/4		3:00-5:00pm	MW	INS-119	Cochran
*50540	PHY-20102-00	Physics I w/Trigonometry Lab	1/3	\$25	5:00-8:00pm	M	INS-119	Cochran
*51621	PHY-22101-90	i Physics I w/Calculus (2 hours TBA) WEB ENHANCED COURSE: Details on page 27.	4/4		3:00-5:00pm	M	INS-119	Cochran
*50542	PHY-22102-00	Physics I w/Calculus Lab	1/3	\$25	5:00-8:00pm	M	INS-119	Cochran
<u>PLUMBING - MTEC - GAYLORD</u>								
50544	PLB-10301-00M	Intro to the Plumbing Profession	.20/.31	\$18.75				
50545	PLB-10302-00M	Plumbing Safety	.80/1.25	\$75.00				
50546	PLB-10303-00M	Plumbing Tools	.30/.47	\$28.13				
50547	PLB-10304-00M	Intro to Plumbing Math	.30/.47	\$28.13				
50548	PLB-10305-00M	Intro to Plumbing Drawings	.50/.78	\$46.88				
50549	PLB-10306-00M	Plastic Pipe and Fittings	.40/.63	\$37.50				
50550	PLB-10307-00M	Copper Pipe and Fittings	.40/.63	\$37.50				
50551	PLB-10308-00M	Cast Iron Pipe and Fittings	.50/.78	\$46.88				
50122	PLB-10309-00M	Carbon Steel Pipe and Fittings	.40/.63	\$37.50				
50553	PLB-10310-00M	Corrugated Stainless Steel Tubing	.10/.16	\$9.38				
50554	PLB-10311-00M	Fixtures and Faucets	.20/.31	\$18.75				
50555	PLB-10312-00M	Intro to Drain, Waste, Vent Systems	.40/.63	\$37.50				
49908	PLB-10313-00M	Intro to Water Distribution Systems	.40/.63	\$37.50				
50124	PLB-10314-00M	Plumbing Math Two	.60/.94	\$56.25				
50125	PLB-10315-00M	Reading Commercial Drawings	.80/1.25	\$75.00				
50559	PLB-10316-00M	Hangers, Supports, Structure Penetrations, Fire Stopping	.40/.63	\$37.50				
50126	PLB-10317-00M	Installing and Testing DWV Piping	1.0/1.56	\$93.75				
50561	PLB-10318-00M	Installing Roof, Floor, & Area Drains	.20/.31	\$18.75				
50127	PLB-10319-00M	Types of Valves	.20/.31	\$18.75				
50563	PLB-10320-00M	Install & Test Water Supply Piping	.80/1.25	\$75.00				
50128	PLB-10321-00M	Installing Fixtures, Valves, & Faucets	.80/1.25	\$75.00				
50565	PLB-10322-00M	Intro to Electricity	.60/.94	\$56.25				
50566	PLB-10323-00M	Installing Water Heaters	.20/.31	\$18.75				
50567	PLB-10324-00M	Fuel Gas Systems	.80/1.25	\$75.00				
50568	PLB-10325-00M	Servicing Fixtures, Valves, & Faucets	.20/.31	\$18.75				
<u>POLITICAL SCIENCE - CENTRAL CAMPUS - ROSCOMMON</u>								
*50569	POL-10100-00	Intro to American Government	3/3		10:00-11:30am	MW	ADM-206	Toprak
*50571	POL-10100-01	Intro to American Government	3/3		12:00-1:30pm	MW	ADM-206	Toprak
*50572	POL-10100-02	Intro to American Government	3/3		12:00-3:00pm	T	ADM-206	Toprak
*50573	POL-10100-60	i Intro to American Government ONLINE COURSE REQUIREMENTS: Online Orientation (see page 29), MS Word and KCC E-mail. Contact Sinan Toprak, email topraks@kirtland.edu.	3/3	\$45	Online Course			Toprak
*50574	POL-10100-61	i Intro to American Government ONLINE COURSE REQUIREMENTS: Online Orientation (see page 29), MS Word and KCC E-mail. Contact Sinan Toprak, email topraks@kirtland.edu.	3/3	\$45	Online Course			Toprak
<u>POLITICAL SCIENCE - MTEC CAMPUS - GAYLORD</u>								
*50570	POL-10100-00M	Intro to American Government	3/3		6:00-9:00pm	M	MTEC-105	Book
<u>PSYCHOLOGY - CENTRAL CAMPUS - ROSCOMMON</u>								
*50134	PSY-10100-00	Intro to Psychology	3/3		12:00-1:30pm	TR	ADM-204	Backlund
*50577	PSY-10100-01	Intro to Psychology	3/3		6:00-9:00pm	R	ADM-204	Ott
*50135	PSY-10100-60	i Intro to Psychology ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Jim Backlund, email backlundj@kirtland.edu.	3/3	\$45	Online course			Backlund

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
*50579	PSY-10100-61	i Intro to Psychology	3/3	\$45	Online course			Backlund
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Jim Backlund, email backlunj@kirtland.edu.								
*50580	PSY-10100-80	i Intro to Psychology	3/3	\$45	3:00-5:10pm	W	ADM-206	Backlund
HYBRID COURSE REQUIREMENTS: Online orientation (see page 29) and KCC E-mail. This course will be a combination of two hours on campus and one hour of online instruction each week. Quizzes and tests will be administered online. Contact Jim Backlund, e-mail backlunj@kirtland.edu.								
*50581	PSY-20200-00	Abnormal Psychology	3/3		8:30-11:30am	W	ADM-204	Backlund
*50582	PSY-20200-60	i Abnormal Psychology	3/3	\$45	Online course			Backlund
ONLINE COURSE REQUIREMENTS: Online orientation (see page 29), MS Word and KCC E-mail. Contact Jim Backlund, email backlunj@kirtland.edu.								
*50583	PSY-24000-00	Lifespan Development Psychology	3/3		3:00-4:30pm	TR	ADM-204	Backlund

SOCIOLOGY - CENTRAL CAMPUS - ROSCOMMON

*50587	SOC-10100-00	Intro to Sociology	3/3		12:00-3:00pm	T	ADM-136	Hinman
*50588	SOC-10100-01	Intro to Sociology	3/3		6:00-9:00pm	T	ADM-206	Hinman
*50766	SOC-24000-00	Criminology	3/3		3:00-6:00pm	T	ADM-206	Hinman
*50782	SOC-24500-00	Social Deviant Behavior	3/3		9:00-12:15pm	F	ADM-204	Hinman

SONOGRAPHY - MTEC - GAYLORD

*51627	SON-10000-00M	Sonography Patient Care	2/3	\$50	2:00-5:00pm	R	MTEC-108	Hoekstra
*50592	SON-10500-00M	Cardiac A & P	3/3	\$35	3:30-6:30pm	M	MTEC-109	Eastman
*50593	SON-11000-00M	Ultrasound Physics	3/3	\$25	12:00-3:00pm	M	MTEC-109	Eastman
*50898	SON-11600-00M	Cardiac Principles I	3/3	\$20	8:00-9:30am	TR	MTEC-109	Eastman
*51615	SON-11700-00M	Cardiac Lab I	4/8	\$50	9:30-1:30pm	TR	MTEC-109	Eastman
*51623	SON-12500-00M	Echo I	3/3	\$20	8:00-11:00am	M	MTEC-101	Eastman
*50894	SON-13100-00M	Cardiac Principles II	3/3	\$20	8:00-9:30am	TR	MTEC-101	Wilson
*50896	SON-13200-00M	Cardiac Lab II	4/8	\$50	9:30-1:30pm	TR	MTEC-101	Wilson
*50897	SON-13500-00M	Clinical Practice I	2/6	\$50	8:00-2:00pm	W	MTEC-101	Eastman
*50598	SON-22000-00M	Externship	15.5/15.5	\$40	TBA			

SPEECH - CENTRAL CAMPUS - ROSCOMMON

50599	SPE-10500-00	i Fund of Speech	3/3		12:00-3:00pm	M	ADM-135	Horton
50601	SPE-10500-01	i Fund of Speech	3/3		6:00-9:00pm	R	ADM-206	Horton
50602	SPE-11400-00	i Intro to Interp/Public Comm	3/3		3:00-6:00pm	M	ADM-136	Fields
50603	SPE-11400-01	i Intro to Interp/Public Comm	3/3		6:00-9:00pm	W	ADM-136	Fields

SPEECH - MTEC - GAYLORD

50600	SPE-10500-00M	Fund of Speech	3/3		6:00-9:00pm	W	MTEC-105	Horton
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SPEECH - CENTRAL CAMPUS - WEST BRANCH

50604	SPE-11400-02	i Intro to Interp/Public Comm	3/3		4:30-7:30pm	T	W.Branch	Fields
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SURGICAL TECHNOLOGY - WEST BRANCH

*50900	SUR-20000-00	Advanced Surgical Procedures	3/6	\$40	10:00-4:00pm	F	W.Branch	Colunga
*50901	SUR-20100-00	Surgical Techniques III	5/15	\$50	TBA		W.Branch	Colunga
*50902	SUR-20200-00	Surgical Techniques IV	5/15	\$50	TBA		W.Branch	Colunga
*50903	SUR-20300-00	Surgical Professional Practice	2/2	\$25	8:00-10:00am	F	W.Branch	Colunga

THEATRE - CENTRAL CAMPUS - ROSCOMMON

50606	THE-12101-00	Theatre Workshop I	1/1		3:00-6:00pm	M	PAC-Aud	TBA
50904	THE-12102-00	Theatre Workshop I	2/2		3:00-6:00pm	M	PAC-Aud	TBA
50786	THE-12103-00	Theatre Workshop I	3/3		3:00-6:00pm	M	PAC-Aud	TBA
*50611	THE-22101-00	Theatre Workshop II	1/1		3:00-6:00pm	M	PAC-Aud	TBA
*50772	THE-22102-00	Theatre Workshop II	2/2		3:00-6:00pm	M	PAC-Aud	TBA
*50777	THE-22103-00	Theatre Workshop II	3/3		3:00-6:00pm	M	PAC-Aud	TBA
*50614	THE-27000-00	Audition/Resume Workshop	3/3		Independent Study		PAC-Aud	TBA

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
WELDING-CENTRAL CAMPUS - ROSCOMMON - Students can register for individual welding components, many of which can be completed in one to two weeks. Initially the welding lab will be available to students Monday/Wednesdays evenings, 6:00-9:00pm and Tuesday/Thursday evenings, 5:00-9:00pm. Lab times and days may change if necessary. For more details contact Don Dyer, 989-275-5000 ext. 231.								
50647	WLD-10120-00F	Welding Safety	0.13/0.19	\$11.25				
50649	WLD-10121-00F	AWS Joints/Positions/Weld/Sym	0.13/0.19	\$11.25				
50651	WLD-10122-00F	OAW Terms & Equipment Setup	0.17/0.25	\$15.00				
50653	WLD-10123-00F	OAW Stringer Beads/Joints IG-IF	0.36/0.56	\$33.75				
50655	WLD-10124-00F	BW Stringer Beads & Joints	0.29/0.44	\$26.25				
50657	WLD-10125-00F	Cut OA/Plasma Cut/Carbn Arc	0.45/0.69	\$41.25				
50659	WLD-10126-00F	Identifying Good Welds per AWS	0.13/0.19	\$11.25				
50661	WLD-10127-00F	SMAW Terms/Identify Electrodes	0.17/0.25	\$15.00				
50663	WLD-10128-00F	SMAW Set-up/Stringer Beads	0.42/0.63	\$37.50				
50665	WLD-10129-00F	SMAW Joints/Flat Pos/1G-1F	0.33/0.5	\$30.00				
50667	WLD-10130-00F	GMAW Set-up/Stringer Beads	0.42/0.63	\$37.50				
50669	WLD-10131-00F	GMAW Joints/Flat Pos/1G-1F	0.29/0.44	\$26.25				
50671	WLD-10132-00F	FCAW Set-up & Stringer Beads	0.42/0.63	\$37.50				
50673	WLD-10133-00F	FCAW Joints/Flat Pos/1G-1F	0.29/0.44	\$26.25				
50675	WLD-10240-00F	GMAW Joints/Hor Pos/2G-2F	0.17/0.25	\$15.00				
50677	WLD-10241-00F	FCAW Joints/Hor Pos/2G-2F	0.17/0.25	\$15.00				
50679	WLD-10242-00F	GMAW Joints/Ver Pos/3G-3F	0.17/0.25	\$15.00				
50681	WLD-10243-00F	FCAW Joints/Ver Pos/3G-3F	0.17/0.25	\$15.00				
50683	WLD-10244-00F	GMAW Joints/Ovhd Pos/4G-4F	0.21/0.31	\$18.75				
50685	WLD-10245-00F	FCAW Joints/Ovhd Pos/4G-4F	0.21/0.31	\$18.75				
50687	WLD-10246-00F	GMAW Pulse Arc/Flat Pos/1G-1F	0.17/0.25	\$15.00				
50689	WLD-10247-00F	GMAW Core Arc Wld/Flat/1G-1F	0.17/0.25	\$15.00				
50691	WLD-10248-00F	GMAW Joints Aluminum/All Ps	0.33/0.5	\$30.00				
50693	WLD-10249-00F	Welding Blueprint Reading	0.17/0.25	\$15.00				
50695	WLD-10250-00F	Fab. Proj Using GMAW/FCAW	0.5/0.75	\$45.00				
50697	WLD-10251-00F	SMAW Multi-Pass String/Flat/1F	0.42/0.63	\$37.50				
50699	WLD-10252-00F	SMAW Multi-Pass Weave/Flat/1F	0.42/0.63	\$37.50				
50701	WLD-10253-00F	SMAW Joints/Hor Pos/2G-2F	0.36/0.56	\$33.75				
50703	WLD-10254-00F	SMAW Joints/Ver Pos/3G-3F	0.36/0.56	\$33.75				
50705	WLD-10370-00F	SMAW Joints/Ovhd Pos/4G-4F	0.5/0.75	\$45.00				
50707	WLD-10371-00F	Fabricate Project Using SMAW	0.5/0.75	\$45.00				
50709	WLD-10372-00F	Welding Metallurgy	0.9/1.38	\$82.50				
50711	WLD-10373-00F	GTAW Setup & Stringer Beads	0.42/0.63	\$37.50				
50713	WLD-10374-00F	GTAW Joints/Steel/Flat/1G-1F	0.42/0.63	\$37.50				
50715	WLD-10375-00F	GTAW Jts/StainSteel/Flat/1G-1F	0.42/0.63	\$37.50				
50717	WLD-10376-00F	GTAW Joints/Alum/Flat/1G-1F	0.42/0.63	\$37.50				
50719	WLD-10377-00F	GTAW Joints/Steel/Hor/2G-2F	0.42/0.63	\$37.50				
50721	WLD-20450-00F	GTAW Jts/Stain Steel/Hor/2G-2F	0.5/0.75	\$45.00				
50723	WLD-20451-00F	GTAW Joints/Alum/Hor/2G-2F	0.5/0.75	\$45.00				
50725	WLD-20452-00F	GTAW Joints/Steel/Ver/3G-3F	0.5/0.75	\$45.00				
50727	WLD-20453-00F	GTAW Jts/Stain Steel/Ver/3G-3F	0.5/0.75	\$45.00				
50729	WLD-20454-00F	GTAW Joints/Alum/Ver/3G-3F	0.5/0.75	\$45.00				
50731	WLD-20455-00F	GTAW Joints/Steel/Ovhd/4G-4F	0.5/0.75	\$45.00				
50733	WLD-20456-00F	GTAW Jts/StainSteel/Ovhd/4G-4F	0.5/0.75	\$45.00				
50735	WLD-20457-00F	GTAW Joints/Alum/Ovhd/4G-4F	0.5/0.75	\$45.00				
50737	WLD-20510-00F	Intro to Pipe Welding	0.21/0.31	\$18.75				
50739	WLD-20511-00F	Pipe 2G Fixed Position	0.67/1	\$60.00				
50741	WLD-20512-00F	Pipe 5G Fixed Pos/Vert Up	1.04/1.56	\$93.75				
50743	WLD-20513-00F	Pipe 5G Fixed Pos/Vert Down	1.04/1.56	\$93.75				
50745	WLD-20514-00F	Pipe 6G Fixed Position	1.04/1.56	\$93.75				
50747	WLD-20606-00F	6 Welder Qual & Projects	4/6	\$360.00				
50749	WLD-20701-00F	Directed Study - Welding Tech	1/1.5	\$90.00				
50751	WLD-20702-00F	Directed Study - Welding Tech	1/1.5	\$90.00				
50753	WLD-20703-00F	Directed Study - Welding Tech	1/1.5	\$90.00				
50755	WLD-20704-00F	Directed Study - Welding Tech	1/1.5	\$90.00				

WELDING - MTEC - GAYLORD - Students can register for individual welding components, many of which can be completed in one to two weeks. Initially the welding lab will be available to students Monday 2:00-9:00pm, Wednesday, 12:00-9:00pm and Thursday 10:00am-9:00pm. Lab times and days may change if necessary. For more details contact Daron Shimel, 989-705-3693.

50648	WLD-10120-00M	Welding Safety	0.13/0.19	\$11.25				
50650	WLD-10121-00M	AWS Joints/Positions/Weld/Sym	0.13/0.19	\$11.25				
50652	WLD-10122-00M	OAW Terms & Equipment Setup	0.17.25	\$15.00				

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
50654	WLD-10123-00M	OAW Stringer Beads/Joints IG-1F	0.36/0.56	\$33.75				
50656	WLD-10124-00M	BW Stringer Beads & Joints	0.29/0.44	\$26.25				
50658	WLD-10125-00M	Cut OA/Plasma Cut/Carbn Arc	0.45/0.69	\$41.25				
50660	WLD-10126-00M	Ident Good Welds per AWS	0.13/0.19	\$11.25				
50662	WLD-10127-00M	SMAW Terms/Ident Electrodes	0.17/0.25	\$15.00				
50664	WLD-10128-00M	SMAW Set-up & Stringer Beads	0.42/0.63	\$37.50				
50666	WLD-10129-00M	SMAW Joints/Flat Pos/1G-1F	0.33/0.5	\$30.00				
50668	WLD-10130-00M	GMAW Set-up & Stringer Beads	0.42/0.63	\$37.50				
50670	WLD-10131-00M	GMAW Joints/Flat Pos/1G-1F	0.29/0.44	\$26.25				
50672	WLD-10132-00M	FCAW Set-up & Stringer Beads	0.42/0.63	\$37.50				
50674	WLD-10133-00M	FCAW Joints/Flat Pos/1G-1F	0.29/0.44	\$26.25				
50676	WLD-10240-00M	GMAW Joints/Hor Pos/2G-2F	0.17/0.25	\$15.00				
50678	WLD-10241-00M	FCAW Joints/Hor Pos/2G-2F	0.17/0.25	\$15.00				
50680	WLD-10242-00M	GMAW Joints/Ver Pos/3G-3F	0.17/0.25	\$15.00				
50682	WLD-10243-00M	FCAW Joints/Ver Pos/3G-3F	0.17/0.25	\$15.00				
50684	WLD-10244-00M	GMAW Joints/Ovhd Pos/4G-4F	0.21/0.31	\$18.75				
50686	WLD-10245-00M	FCAW Joints/Ovhd Pos/4G-4F	0.21/0.31	\$18.75				
50688	WLD-10246-00M	GMAW Pulse Arc/Flat Pos/1G-1F	0.17/0.25	\$15.00				
50690	WLD-10247-00M	GMAW Core Arc Flat/1G-1F	0.17/0.25	\$15.00				
50692	WLD-10248-00M	GMAW oints Aluminum/All Ps	0.33/0.5	\$30.00				
50694	WLD-10249-00M	Welding Blueprint Reading	0.17/0.25	\$15.00				
50696	WLD-10250-00M	Fab. Proj Using GMAW/FCAW	0.5/0.75	\$45.00				
50698	WLD-10251-00M	SMAW Multi-Pass String/Flat/1F	0.42/0.63	\$37.50				
50700	WLD-10252-00M	SMAW Multi-Pass Weave/Flat/1F	0.42/0.63	\$37.50				
50702	WLD-10253-00M	SMAW Joints/Hor Pos/2G-2F	0.36/0.56	\$33.75				
50704	WLD-10254-00M	SMAW Joints/Ver Pos/3G-3F	0.36/0.56	\$33.75				
50706	WLD-10370-00M	SMAW Joints/Ovhd Pos/4G-4F	0.5/0.75	\$45.00				
50708	WLD-10371-00M	Fabricate Project Using SMAW	0.5/0.75	\$45.00				
50710	WLD-10372-00M	Welding Metallurgy	0.9/1.38	\$82.50				
50712	WLD-10373-00M	GTAW Setup & Stringer Beads	0.42/0.63	\$37.50				
50714	WLD-10374-00M	GTAW Joints/Steel/Flat/1G-1F	0.42/0.63	\$37.50				
50716	WLD-10375-00M	GTAW Jts/StainSteel/Flat/1G-1F	0.42/0.63	\$37.50				
50718	WLD-10376-00M	GTAW Joints/Alum/Flat/1G-1F	0.42/0.63	\$37.50				
50720	WLD-10377-00M	GTAW Joints/Steel/Hor/2G-2F	0.42/0.63	\$37.50				
50722	WLD-20450-00M	GTAW Jts/Stain Steel/Hor/2G-2F	0.5/0.75	\$45.00				
50724	WLD-20451-00M	GTAW Joints/Alum/Hor/2G-2F	0.5/0.75	\$45.00				
50726	WLD-20452-00M	GTAW Joints/Steel/Ver/3G-3F	0.5/0.75	\$45.00				
50728	WLD-20453-00M	GTAW Jts/Stain Steel/Ver/3G-3F	0.5/0.75	\$45.00				
50730	WLD-20454-00M	GTAW Joints/Alum/Ver/3G-3F	0.5/0.75	\$45.00				
50732	WLD-20455-00M	GTAW Joints/Steel/Ovhd/4G-4F	0.5/0.75	\$45.00				
50734	WLD-20456-00M	GTAW Jts/StainSteel/Ovhd/4G-4F	0.5/0.75	\$45.00				
50736	WLD-20457-00M	GTAW Joints/Alum/Ovhd/4G-4F	0.5/0.75	\$45.00				
50738	WLD-20510-00M	Intro to Pipe Welding	0.21/0.31	\$18.75				
50740	WLD-20511-00M	Pipe 2G Fixed Position	0.67/1	\$60.00				
50742	WLD-20512-00M	Pipe 5G Fixed Pos/Vert Up	1.04/1.56	\$93.75				
50744	WLD-20513-00M	Pipe 5G Fixed Pos/Vert Down	1.04/1.56	\$93.75				
50746	WLD-20514-00M	Pipe 6G Fixed Position	1.04/1.56	\$93.75				
50748	WLD-20606-00M	6 Welder Qual & Projects	4/6	\$360.00				
50750	WLD-20701-00M	Directed Study - Welding Tech	1/1.5	\$90.00				
50752	WLD-20702-00M	Directed Study - Welding Tech	1/1.5	\$90.00				
50754	WLD-20703-00M	Directed Study - Welding Tech	1/1.5	\$90.00				
50756	WLD-20704-00M	Directed Study - Welding Tech	1/1.5	\$90.00				

WEB ENHANCED COURSE: The course meets for all contact hours on-campus, but tests are administered online, homework is submitted online, and other features such as discussion boards may take place online.

The Michigan Department of Education requires that classes meet a minimum of 800 minutes for each hour of credit awarded. To achieve this in a 15-week semester, Kirtland's classes will meet 54 minutes for each scheduled hour of class. In other situations instructional time will be adjusted to meet this requirement. Time scheduled in addition to this is to allow for breaks and time between classes.