

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
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# Fall 2010 Classes

## ACCOUNTING - CENTRAL CAMPUS - ROSCOMMON

*51862	ACC-12100-80	i Accounting Principles I	4/4	\$45	6:00-8:00pm	T	INS-136	Lange
<b>HYBRID COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Jane Lange, email langej@kirtland.edu. NOTE: This course will be a combination of on-campus & online instruction.								
51881	ACC-12500-60	i Comp Acctg w/Quickbooks	4/4	\$45	<b>Online Course</b>			Lange
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Jane Lange, email langej@kirtland.edu.								

## ALLIED HEALTH - CENTRAL CAMPUS - ROSCOMMON

51864	ALH-10101-60	i Medical Terminology	2/2	\$45	<b>Online Course</b>			Pavelek
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Nancy Pavelek, email pavelekn@kirtland.edu.								
51947	ALH-10101-61	i Medical Terminology	2/2	\$45	<b>Online Course</b>			Pavelek
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Nancy Pavelek, email pavelekn@kirtland.edu.								
51858	ALH-10101-62	i Medical Terminology	2/2	\$45	<b>Online Course</b>			Price
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Deneen Price, email priced@kirtland.edu.								
51852	ALH-10101-90	i Medical Terminology	2/2	\$15	10:00-12:00pm	W	INS-108	McClure
<b>WEB ENHANCED COURSE:</b> Details on page ??								
51918	ALH-10101-91	i Medical Terminology	2/2	\$15	1:00-3:00pm	W	INS-108	McClure
<b>WEB ENHANCED COURSE:</b> Details on page ??								
*51885	ALH-10400-00	Nursing Assistant	6/8	\$160	TBA	TBA	INS-213	TBA
(Course will meet 3-4 clinical days at a skilled care facility, dates/times TBA.)								
51868	ALH-11201-00	Med Ethics & Law (8/26-10/14)	1/1	\$10	2:00-4:00pm	R	INS-108	TBA
51896	ALH-20203-00	Professional CPR (8/26/10)	.5/5	\$25	8:00-4:30pm	R	INS-213	Ball
*51860	ALH-21701-00	Basic EMT	10/14	\$10	5:00-10:00pm	TR	TBA	TBA
*52932	ALH-23500-00	Paramedic III	16/22	\$200	10:00-5:00pm	TR	TBA	Duke
(4 Saturdays, Dates TBA) This course will meet at Grayling Fire Dept, 1041 City Blvd., Grayling, MI								

## ALLIED HEALTH - MTEC - GAYLORD

51919	ALH-10101-00M	Medical Terminology	2/2	\$15	6:00-8:00pm	R	MTEC-103	TBA
*51889	ALH-10400-00M	Nursing Assistant	6/8	\$160	TBA	TR	MTEC-108	TBA
(Course will meet 3-4 clinical days at a skilled care facility, dates/times TBA.)								
51872	ALH-20203-00M	Professional CPR (8/27/10)	.5/5	\$25	8:00-4:30pm	F	MTEC-105	Duncan

## ART - CENTRAL CAMPUS - ROSCOMMON

51861	ART-10000-00	Art History I	3/3		3:00-6:00pm	M	ART-117	Rice
51880	ART-10500-00	Intro to Design (2 hrs/week TBA)	3/4	\$100	10:00-12:00pm	R	ART-117	Donna
51883	ART-10600-00	Fund of Drawing I †	3/4	\$100	12:00-2:00pm	TR	ART-121	Rice
51887	ART-10700-00	Painting I †	3/4	\$100	10:00-12:00pm	TR	ART-105	Rice
51894	ART-11500-00	Photography I	3/4	\$100	3:00-5:00pm	TR	ART-117	Donna
<b>NOTE:</b> It is preferred that students provide their own 35mm cameras with metered manual mode. However, cameras will be available for check out.								
51948	ART-11500-01	Photography I	3/4	\$100	6:00-10:00pm	W	ART-117	Donna
<b>NOTE:</b> It is preferred that students provide their own 35mm cameras with metered manual mode. However, cameras will be available for check out.								
*51886	ART-25000-00	Illustration I †	3/4	\$100	12:00-2:00pm	MW	ART-121	Rice
† A student who cannot attend the above 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 on the following page.								
51867	ART-10800-00	Ceramics I	3/4	\$100	12:00-2:00pm	TR	ART-107	Donna

ONLINE REQ#	COURSE-SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG-RM	INSTR
52933	ART-19000-90	i Digital Communications	3/4	\$100	8:30-11:30am	R	ADM-207	Balbach
WEB ENHANCED COURSE: Details on page ??								
*51917	ART-27571-00	Computer Animation I	3/4	\$100	6:00-10:00pm	R	ART-Lab	Sales
52146	ART-27573-00	Computer Animation II	3/4	\$100	TBA		ART-Lab	Sales
52145	ART-27575-00	Computer Animation III	3/4	\$100	TBA		ART-Lab	Sales
52921	ART-27579-00	Computer Animation IV	3/4	\$100	TBA		ART-Lab	Sales
52934	ART-27545-90	i Computer Generated Images I	3/4	\$100	8:30-11:30am	T	ADM-207	Balbach
WEB ENHANCED COURSE: Details on page ??								

**OPEN STUDIO POLICY** - Students must have instructor's approval to sign up for the following open studio courses. A student who cannot attend 100-level Studio Art courses during the regularly scheduled times has 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 or risk the possibility of being asked to drop the course.**

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.

51884	ART-10600-20	Fund of Drawing I	3/4	\$100	Open Studio	ART-121	Rice
*51873	ART-20600-20	Drawing II	3/4	\$100	Open Studio	ART-121	Rice
51890	ART-27504-20	Advanced Drawing	3/4	\$100	Open Studio	ART-121	Rice
51903	ART-27531-20	Rendering I	3/4	\$100	Open Studio	ART-121	Rice
*51938	ART-27611-20	Rendering II	3/4	\$100	Open Studio	ART-121	Rice
51888	ART-10700-20	Painting I	3/4	\$100	Open Studio	ART-105	Rice
*51874	ART-20700-20	Painting II	3/4	\$100	Open Studio	ART-105	Rice
*51879	ART-21600-20	Painting III	3/4	\$100	Open Studio	ART-105	Rice
*51925	ART-27587-20	Painting IV	3/4	\$100	Open Studio	ART-105	Rice
51906	ART-27543-20	Abstract Painting	3/4	\$100	Open Studio	ART-105	Rice
*51875	ART-20800-20	Ceramics II	3/4	\$100	Open Studio	ART-107	Donna
*52148	ART-21800-20	Ceramics (Studio Problems)	3/4	\$100	Open Studio	ART-107	Donna
*52144	ART-22800-20	Ceramics (Studio Operations)	3/4	\$100	Open Studio	ART-107	Donna
51893	ART-11400-20	Sculpture I	3/4	\$100	Open Studio	ART-114	Donna
*51877	ART-21400-20	Sculpture II	3/4	\$100	Open Studio	ART-114	Donna
*52147	ART-22400-20	Advanced Sculpture I	3/4	\$100	Open Studio	ART-114	Donna
*52143	ART-23400-20	Advanced Sculpture II	3/4	\$100	Open Studio	ART-114	Donna
52051	ART-27514-20	Welded Sculpture	3/4	\$100	Open Studio	ART-114	Donna
*51878	ART-21500-20	Photography II	3/4	\$100	Open Studio	ART-117	Donna
*51904	ART-27532-20	Photo Studio Problems	3/4	\$100	Open Studio	ART-117	Donna
51909	ART-27550-20	Digital Darkroom	3/4	\$100	Open Studio	ART-117	Donna
*51936	ART-27606-20	Digital Darkroom II	3/4	\$100	Open Studio	ART-117	Donna
51910	ART-27553-20	Adv B&W Photography	3/4	\$100	Open Studio	ART-117	Donna
*51908	ART-27546-20	Computer Generated Images II	3/4	\$100	Open Studio	ART-Lab	Donna
*51915	ART-27566-20	Computer Generated Images III	3/4	\$100	Open Studio	ART-Lab	Donna
*51920	ART-27578-20	Computer Generated Images IV	3/4	\$100	Open Studio	ART-Lab	Donna
*51931	ART-25000-20	Illustration I	3/4	\$100	Open Studio	ART-121	Rice
*51932	ART-26000-20	Illustration II	3/4	\$100	Open Studio	ART-121	Rice
51914	ART-27565-20	Comic Book Illustration	3/4	\$100	Open Studio	ART-121	Rice
51922	ART-27581-20	Children's Book Illustration	3/4	\$100	Open Studio	ART-121	Rice
53137	ART-28000-20	Portfolio I	3/4	\$100	Open Studio	ART-121	Rice
51930	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.

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
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KCC

FALL SCHEDULE

KCC

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**ASTRONOMY - CENTRAL CAMPUS - ROSCOMMON**

*51945	AST-10201-00	Astronomy I Lecture	3/3		6:30-8:00pm	MW	INS-119	Cochran
*51946	AST-10202-00	Astronomy I Lab	1/2	\$30	8:00-10:00pm	M	INS-119	Cochran

**NOTE:** Approximately 1/3 of lab sessions will be held out doors from the beginning of the lab or roughly at dusk (at a time to be determined) until as late as 11pm. Temperature and/or insects will not be a deterrent to observing, students should wear appropriate attire.

**AUTOMOTIVE - CENTRAL CAMPUS - ROSCOMMON**

52050	AUT-16302-00	i Automotive Fundamentals	4/5	\$25	8:30-11:00am	MW	CTC-100	Bonk
*52052	AUT-16401-00	i Basic Electricity	3/4	\$25	6:00-8:00pm	MW	CTC-102	Akin
*51951	AUT-17703-00	i Automotive Braking Systems	4/6	\$25	12:00-3:00pm	MW	CTC-100	Bonk
*52060	AUT-19100-00	i Auto Body Internship I	5/5	\$25	TBA	TBA		Sturm
*51953	AUT-21800-00	i Automatic Transmissions	4/6	\$25	6:00-9:00pm	MW	CTC-100	Oakes
*51954	AUT-26500-00	i Steering Suspension/Alignment	4/6	\$25	8:30-11:30am	TR	CTC-100	Bonk
*51955	AUT-26601-00	i Engine Perf & Diagnostics	4/6	\$25	3:00-6:00pm	TR	CTC-100	Oakes
*51956	AUT-27000-00	i Heating & Air Conditioning	3/4	\$25	12:00-2:00pm	TR	CTC-100	Bonk

**BIOLOGY - CENTRAL CAMPUS - ROSCOMMON**

51957	BIO-10100-00	General Biology	4/5	\$25	12:30-3:00pm	TR	INS-110	Kemp
52935	BIO-10100-60	i General Biology	4/5	\$45	<b>Online Course</b>			Gipson
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Kristy Gipson, email gipsonk@kirtland.edu. Required lab packets can be purchased at the KCC Bookstore.								
51960	BIO-10700-00	Essentials of Anatomy & Phys	4/5	\$25	10:00-1:00pm	M	INS-108	Gipson
					1:00-3:00pm	M	INS-110	Gipson
51964	BIO-10700-60	i Essentials of Anatomy & Phys	4/5	\$45	<b>Online Course</b>			Sieszputow
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Jen Sieszputowski, email sieszpuj@kirtland.edu. Required lab packets can be purchased at the KCC Bookstore.								
*52936	BIO-20100-00	General Zoology	4/5	\$35	9:30-12:00pm	TR	INS-110	Kemp
*52937	BIO-21000-00	Microbiology	4/5	\$35	9:30-12:00pm	TR	INS-110	Kemp
51973	BIO-21300-00	Nature Study (8/25-10/29)	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 & share expenses for field trips. Nature Study is a physically demanding course in which several hikes walking through bogs and fens and wading in rivers are planned. Class will only meet for 3 Fridays for extensive field trips and testing.

*53142	BIO-23500-00	Anatomy & Physiology I	4/5	\$25	8:30-11:00am	MW	INS-12	Hauser
*53144	BIO-23500-01	Anatomy & Physiology I	4/5	\$25	3:30-6:00pm	TR	INS-110	Kemp
*53145	BIO-23500-02	Anatomy & Physiology I	4/5	\$25	3:00-5:30pm	TR	INS-12	Sieszputow
*53146	BIO-23500-03	Anatomy & Physiology I	4/5	\$25	12:00-2:30pm	TR	INS-12	Sieszputow
*53148	BIO-23600-00	Anatomy & Physiology II	4/5	\$25	8:30-11:00am	TR	INS-12	Hauser
*53154	BIO-23700-90	i Pathophysiology	3/3	\$40	9:00-12:00pm	T	INS-108	Hubbard

**WEB ENHANCED COURSE:** Details on page ??.

**BIOLOGY - MTEC - GAYLORD**

*51961	BIO-10700-00M	Essentials of Anatomy & Phys	4/5	\$25	9:00-11:30am	MW	MTEC-105	Kramp
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**BUSINESS & MARKETING - CENTRAL CAMPUS - ROSCOMMON**

51975	BUS-10100-60	i Intro to Business	3/3	\$45	<b>Online Course</b>			Grenkowicz
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Judith Grenkowicz, email grenkowj@kirtland.edu.								
51976	BUS-10100-80	i Intro to Business	3/3	\$45	3:00-6:00pm	W	ADM-135	Grenkowicz
<b>HYBRID COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Judith Grenkowicz, email grenkowj@kirtland.edu. <b>NOTE:</b> This course will be a combination of on-campus & online instruction.								
51978	BUS-21500-60	i Legal Environment of Business	3/3	\$45	<b>Online Course</b>			Grenkowicz
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Judith Grenkowicz, email grenkowj@kirtland.edu.								

= Sat/Sun/Evening Classes

TBA=To be announced

\*=Pre/corequisite-see college catalog

i=Internet account required-see pg 45

R=Thursday

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
51979	BUS-24500-60	i Personnel Management <b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Judith Grenkowitz, email grenkowj@kirtland.edu.	3/3	\$45	Online Course			Grenkowitz
52392	MKT-20000-60	i Prin of Marketing <b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Judith Grenkowitz, email grenkowj@kirtland.edu.	3/3	\$45	Online Course			Grenkowitz

#### CAREER ABILITY PREPARATION - MTEC - GAYLORD

51980	CAP-00102-00M	Writing Level 2	.94/.94					
51981	CAP-00103-00M	Writing Level 3	1.06/1.06					
51982	CAP-00203-00M	Reading for Information Level 3	1/1					
51983	CAP-00204-00M	Reading for Information Level 4	1.75/1.75					
51984	CAP-00205-00M	Reading for Information Level 5	.44/.44					
51985	CAP-00206-00M	Reading for Information Level 6	.44/.44					
51986	CAP-00207-00M	Reading for Information Level 7	.44/.44					
51987	CAP-00303-00M	Applied Mathematics Level 3	1/1					
51988	CAP-00304-00M	Applied Mathematics Level 4	1/1					
51989	CAP-00305-00M	Applied Mathematics Level 5	.44/.44					
51990	CAP-00306-00M	Applied Mathematics Level 6	.44/.44					
51991	CAP-00307-00M	Applied Mathematics Level 7	.44/.44					
51992	CAP-00403-00M	Locating Information Level 3	.31/.31					
51993	CAP-00404-00M	Locating Information Level 4	.44/.44					
51994	CAP-00405-00M	Locating Information Level 5	.38/.38					
51995	CAP-00406-00M	Locating Information Level 6	.44/.44					
51996	CAP-00703-00M	Applied Technology Level 3	.31/.31					
51997	CAP-20001-00M	Internship/Service Learning	1/1.5					
51998	CAP-20002-00M	Internship/Service Learning	2/3					
51999	CAP-20003-00M	Internship/Service Learning	3/4.5					
52000	CAP-20004-00M	Internship/Service Learning	4/6					

#### CAREER & PERSONAL DEVELOPMENT - CENTRAL CAMPUS - ROSCOMMON

In order to enroll and be successful in any of the CAR 102 sections, College Survival & Success, students should be able to read at the college level. Students reading at the ENG 096 (College Reading) level or below are encouraged to enroll in CAR 093 - Study Skills.

53071	CAR-09300-00	Study Skills	1/1.5		12:00-1:30pm	T	ADM-252	Schutte
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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. If students wish to take all three classes, please register for CAR 10204, the semester-long course.

52001	CAR-10201-00	College Survival & Success I <b>NOTE: Meets 1st 5 weeks (8/24 - 9/25)</b> 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.	1/1		10:00-11:30am	TR	INS-15	Jakobson
52002	CAR-10202-00	College Survival & Success II <b>NOTE: Meets 2nd 5 weeks (9/28 - 10/30)</b> This course provides students with the opportunity to cultivate the academic skills necessary to become confident and capable learners.	1/1		10:00-11:30am	TR	INS-15	Jakobson
52003	CAR-10203-00	College Survival & Success III <b>NOTE: Meets 3rd 5 weeks (11/2 - 12/11)</b> 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.	1/1		10:00-11:30am	TR	INS-15	Jakobson
52004	CAR-10204-00	College Survival & Success <b>NOTE: Meets all semester.</b> This course is designed to provide students with the opportunity to cultivate the skills, values, and attitudes necessary to become confident and capable learners.	3/3		10:00-11:30am	TR	INS-15	Jakobson

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
<b>CARPENTRY - MTEC - GAYLORD</b>								
52939	CPT-10100-00M	Orientation to the Trade	.10/16	\$11.88				
52940	CPT-10101-00M	Build Materials Fasteners/Adhesives	.30/47	\$35.63				
52941	CPT-10102-00M	Hand & Power Tools	.40/63	\$47.50				
52942	CPT-10103-00M	Reading Plans & Elevations	.80/1.25	\$95.00				
52943	CPT-10104-00M	Floor Systems	1.00/1.56	\$118.75				
52944	CPT-10105-00M	Wall and Ceiling Framing	.80/1.25	\$95.00				
52945	CPT-10106-00M	Roof Framing	1.50/2.34	\$178.13				
52947	CPT-10107-00M	Intro to Concrete/Reinforce Mat	.20/31	\$23.75				
52948	CPT-10108-00M	Windows and Exterior Doors	.50/78	\$59.38				
52949	CPT-10109-00M	Basic Stair Layout	.50/78	\$59.38				
52950	CPT-10200-00M	Roofing Applications	1.00/1.56	\$118.75				
52951	CPT-10201-00M	Thermal and Moisture Protection	.30/47	\$35.63				
52952	CPT-10202-00M	Exterior Finish	1.40/2.19	\$166.25				
52953	CPT-10203-00M	Cold-Formed Steel Framing	.60/94	\$71.25				
52954	CPT-10204-00M	Drywall Installation	.60/94	\$71.25				
52955	CPT-10205-00M	Drywall Finishing	.50/78	\$59.38				
52956	CPT-10206-00M	Doors and Door Hardware	.80/1.25	\$95.00				
52957	CPT-10207-00M	Window, Door, Floor, & Ceiling Trim	1.00/1.56	\$118.75				
52958	CPT-10208-00M	Cabinet Installation	.40/1.56	\$118.75				
52959	CPT-10209-00M	Cabinet Fabrication	.40/63	\$47.50				
52960	CPT-10210-00M	Suspended Ceilings	.60/94	\$71.25				
52961	CPT-10211-00M	Commercial Drawings	1.00/1.56	\$118.75				
52963	CPT-20300-00M	Rigging Equipment	.40/63	\$47.50				
52964	CPT-20301-00M	Rigging Practices	.60/94	\$71.25				
52965	CPT-20302-00M	Properties of Concrete	.40/63	\$47.50				
52966	CPT-20303-00M	Reinforcing Concrete	.60/94	\$71.25				
52967	CPT-20304-00M	Handling and Placing Concrete	.90/1.41	\$106.88				
52969	CPT-20305-00M	Trenching and Excavating	.40/63	\$47.50				
52970	CPT-20306-00M	Foundations and Slab-on-grade	.80/1.25	\$95.00				
52971	CPT-20307-00M	Vertical Formwork	1.10/1.72	\$130.63				
52972	CPT-20308-00M	Horizontal Formwork	.60/1.41	\$106.88				
52973	CPT-20309-00M	Tilt-up Wall Panels	.80/1.25	\$95.00				
52974	CPT-20400-00M	Site Layout I: Dist Meas/Leveling	.90/1.41	\$106.88				
52975	CPT-20401-00M	Site Layout II: Angular Measurement	1.20/1.88	\$142.50				
52976	CPT-20402-00M	Advanced Roof Systems	.50/1.25	\$95.00				
52978	CPT-20403-00M	Advanced Wall Systems	1.00/1.56	\$118.75				
52979	CPT-20404-00M	Advanced Stair Systems	1.00/1.56	\$118.75				
52980	CPT-20405-00M	Intro to Light Equipment	.40/63	\$47.50				
52981	CPT-20406-00M	Commercial Finish Work	.20/31	\$23.75				
52982	CPT-20407-00M	Site Preparation	.30/47	\$35.63				
52983	CPT-20408-00M	Intro Skills for Crew Leaders	.60/94	\$71.25				
<b>CHEMISTRY - CENTRAL CAMPUS - ROSCOMMON</b>								
52984	CHE-10000-00	Chemical Science	4/5	\$35	12:00-3:00pm	M	INS-11	Hauser
					12:00-2:00pm	W	INS-118	Hauser
52985	CHE-10000-01	Chemical Science	4/5	\$35	10:00-11:30am	TR	INS-11	Cochran
					12:00-2:00pm	T	INS-118	Cochran
52986	CHE-10000-60	i Chemical Science	4/5	\$45	<b>Online Course</b>			Gipson
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Kristy Gipson, email gipson@kirtland.edu. Required lab packets can be purchased at the KCC Bookstore.								
*52023	CHE-10101-00	Gen Chemistry I	4/4		1:00-3:00pm	MW	INS-119	Cochran
*52024	CHE-10102-00	Gen Chemistry I Lab	1/3	\$25	3:30-6:30pm	M	INS-118	Cochran

ONLINE REQ#	COURSE-SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG-RM	INSTR
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**COMPUTER INFORMATION SYSTEMS - CENTRAL CAMPUS - ROSCOMMON**

52027	CIS-01000-00	Basic Computing (8/23 - 11/1)	2/2	\$14	12:00-3:00pm	M	ADM-207	Horton
*52028	CIS-10500-00	Intro to Computers	3/3	\$21	10:00-11:30am	MW	ADM-205	Frazier
*52030	CIS-10500-01	Intro to Computers	3/3	\$21	1:30-3:00pm	MW	ADM-205	Frazier
*52031	CIS-10500-02	Intro to Computers	3/3	\$21	12:00-1:30pm	TR	ADM-205	Balbach
*52032	CIS-10500-03	Intro to Computers	3/3	\$21	3:00-6:00pm	T	ADM-205	TBA
*52033	CIS-10500-04	Intro to Computers	3/3	\$21	6:00-9:00pm	R	ADM-205	Frazier
*52035	CIS-10500-60	i Intro to Computers	3/3	\$45	<b>Online Course</b>			Balbach
<p><b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45) &amp; KCC Email. Application software used is <b>EITHER</b> Windows 7, Windows Vista XP <b>OR</b> Windows XP <b>AND</b> the current commercial version of Internet Explorer or Firefox <b>AND</b> Microsoft Office 2007 Professional which includes Word 2007, Excel 2007, Access 2007 and PowerPoint 2007. Incomplete grades will not be given for this course. Direct questions to Lisa Balbach, email balbachl@kirtland.edu. Prerequisite: Keyboarding skills</p>								
*52036	CIS-10500-61	i Intro to Computers	3/3	\$45	<b>Online Course</b>			Balbach
<p><b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45) &amp; KCC Email. Application software used is <b>EITHER</b> Windows 7, Windows Vista XP <b>OR</b> Windows XP <b>AND</b> the current commercial version of Internet Explorer or Firefox <b>AND</b> Microsoft Office 2007 Professional which includes Word 2007, Excel 2007, Access 2007 and PowerPoint 2007. Incomplete grades will not be given for this course. Direct questions to Lisa Balbach, email balbachl@kirtland.edu. Prerequisite: Keyboarding skills</p>								
*52990	CIS-17001-90	i MicroSoft Office	3/3	\$21	12:00-2:00pm	W	ADM-207	Balbach
<p><b>WEB ENHANCED COURSE:</b> Details on page ??.</p>								
*52039	CIS-19700-60	i OS Certification	3/3	\$45	<b>Online Course</b>			Frazier
<p><b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45) &amp; KCC Email. Incomplete grades will not be given for this course. Direct questions to Gene Frazier, email frazierg@kirtland.edu. Prerequisite: CIS-105 or equivalent or demonstrated competency.</p>								
*52991	CIS-21000-90	i Internet & Web Development	3/3	\$21	3:00-5:00pm	W	ADM-205	Balbach
<p><b>WEB ENHANCED COURSE:</b> Details on page ??</p>								
52041	CIS-21900-00	MacIntosh OS X (8/27-10/15)	1/1	\$10	12:00-2:00pm	R	ART-Lab	Horton
52992	CIS-24000-90	i Technology in Education	3/3	\$21	6:00-8:00pm	R	ADM-207	Balbach
<p><b>WEB ENHANCED COURSE:</b> Details on page ??</p>								
*52044	CIS-26000-60	i Intro to Computer Networking	3/3	\$45	<b>Online Course</b>			Frazier
<p><b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45) &amp; KCC Email. Incomplete grades will not be given for this course. Direct questions to Gene Frazier, email frazierg@kirtland.edu. Prerequisite: None</p>								
*52993	CIS-27001-90	i Programming I	3/3	\$21	3:00-5:00pm	R	ADM-205	Balbach
<p><b>WEB ENHANCED COURSE:</b> Details on page ??</p>								

**COMPUTER INFORMATION SYSTEMS - MTEC - GAYLORD**

*52029	CIS-10500-00M	Intro to Computers	3/3	\$21	6:00-9:00pm	T	MTEC-103	Horton
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**CORE (CONSTRUCTION TRADES) - MTEC - GAYLORD**

52066	COR-10001-00M	Basic Safety	.60/.94	\$15.00				
52069	COR-10002-00M	Intro to Construction Math	.60/.94	\$15.00				
52070	COR-10003-00M	Intro to Hand Tools	.40/.63	\$10.00				
52073	COR-10004-00M	Intro to Power Tools	.20/.31	\$5.00				
52076	COR-10005-00M	Intro to Blueprints	.30/.47	\$7.50				
52077	COR-10006-00M	Basic Rigging	.80/1.25	\$20.00				
52078	COR-10007-00M	Basic Communication Skills	.20/.31	\$5.00				
52079	COR-10008-00M	Basic Employability Skills	.60/.94	\$15.00				

**COSMETOLOGY - CENTRAL CAMPUS - ROSCOMMON** - Students should contact one of the following instructors at 989-275-5000, ext. 274 before registering or for information about other dates on which they can begin classes: Shannon Weaver, Carmen Miller, & Robin Winton

52080	COS-11200-00F	Manicuring I	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*52081	COS-11300-00F	Manicuring II	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*52082	COS-11400-00F	Manicuring III	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
*52083	COS-11500-00F	Manicuring IV	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
*52084	COS-11600-00F	Manicuring V	2.5/4	\$20	8:30-4:00pm	MTWRF		CTC-107
52086	COS-12100-00F	Cosmetology I	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52087	COS-12200-00F	Cosmetology II	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52088	COS-12300-00F	Cosmetology III	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52089	COS-12400-00F	Cosmetology IV	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52090	COS-12500-00F	Cosmetology V	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52091	COS-12600-00F	Cosmetology VI	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52092	COS-12700-00F	Cosmetology VII	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52093	COS-12800-00F	Cosmetology VIII	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52094	COS-12900-00F	Cosmetology IX	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52095	COS-13000-00F	Cosmetology X	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52096	COS-13100-00F	Cosmetology XI	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52097	COS-13200-00F	Cosmetology XII	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52098	COS-13300-00F	Cosmetology XIII	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52099	COS-13400-00F	Cosmetology XIV	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52100	COS-13500-00F	Cosmetology XV	2.5/4	\$25	8:30-4:00pm	MTWRF		CTC-107
*52101	COS-13600-00F	Cosmetology XVI	2.5/2.5	\$25	8:30-4:00pm	MTWRF		CTC-107
*52103	COS-22100-00F	Cosmetology Instructor I	2.5/5	\$5	8:30-4:00pm	MTWRF		CTC-107
*52104	COS-22200-00F	Cosmetology Instructor II	2.5/5	\$5	8:30-4:00pm	MTWRF		CTC-107
*52105	COS-22300-00F	Cosmetology Instructor III	2.5/5	\$5	8:30-4:00pm	MTWRF		CTC-107
52102	COS-17500-60F	i Salon Management	1/1	\$45	<b>Online Course</b>			Weaver

**ONLINE COURSE REQUIREMENTS:** Online orientation (see page 45), MS Word & KCC Email.  
Direct questions to Shannon Weaver, email weavers@kirtland.edu.

#### CRIMINAL JUSTICE - CENTRAL CAMPUS - ROSCOMMON

*52046	CJS-10000-00	Intro to Criminal Justice	3/3		6:30-9:30pm	R	ADM-135	Hinman
*52048	CJS-10200-00	Physical Training I	3/4	\$60	5:00-7:00pm	MW	ADM-116	Boerema
*52136	CJS-10201-00	Physical Training II	3/4	\$60	5:00-7:00pm	MW	ADM-116	Boerema
*52134	CJS-10202-00	Physical Training III	3/4	\$60	5:00-7:00pm	MW	ADM-116	Boerema
*52049	CJS-10200-01	Physical Training I	3/4	\$60	7:00-9:00pm	MW	ADM-116	Boerema
*52135	CJS-10201-01	Physical Training II	3/4	\$60	7:00-9:00pm	MW	ADM-116	Boerema
*52133	CJS-10202-01	Physical Training III	3/4	\$60	7:00-9:00pm	MW	ADM-116	Boerema
*52054	CJS-10900-00	Intro to Corrections	3/3		6:00-9:00pm	M	ADM-135	Hinman
*52055	CJS-11000-00	Careers in Emergency Services	1/1		5:30-6:30pm	R	ADM-135	Hinman
*52057	CJS-11100-00	Legal Issues in Corrections	3/3		6:00-9:00pm	R	ADM-136	Miller
*52058	CJS-11200-00	Client Growth & Development	3/3		6:00-9:00pm	T	INS-11	Bean
*52059	CJS-20800-00	Criminal Justice Internship	3/3		4:00-5:00pm	T	ADM-136	Bean
*52132	CJS-20802-00	Criminal Justice Internship	3/3		4:00-5:00pm	T	ADM-136	Bean
*52131	CJS-20803-00	Criminal Justice Internship	3/3		4:00-5:00pm	T	ADM-136	Bean
*52062	CJS-21100-00	Narcotics Investigation	3/3		12:00-3:00pm	W	ADM-135	Bean
*52063	CJS-26007-00	Corrections Academy (Dates TBA)	10/10	\$500	8:00-5:00pm	WR	Camp Gray	Hinman
*52064	CJS-26600-00	Police Academy (7/5 - 10/29)	21/42	\$1000	12:00-9:30pm	MTWR	ADM-133	Grace
					8:00-5:00pm	F	ADM-133	Grace
*52065	CJS-27000-00	Community Based Corrections	3/3		3:00-6:00pm	T	ADM-135	Hinman

#### ECONOMICS - CENTRAL CAMPUS - ROSCOMMON

*52406	ECO-20100-80	i Prin of Economics-MACRO	3/3	\$45	6:00-9:00pm	W	ADM-135	Grenkowitz
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**HYBRID COURSE REQUIREMENTS:** Online orientation (see page 45), MS Word & KCC Email.

Contact Judith Grenkowitz, email grenkowj@kirtland.edu. NOTE: This course will be a combination of on-campus & online instruction.

#### EDUCATION - CENTRAL CAMPUS - ROSCOMMON

*52187	EDU-10000-00	Intro to Teaching (1 hour - TBA)	3/3		4:00-6:00pm	T	INS-108	Urbain
52996	EDU-11500-00	Intro to Child Growth & Dev	3/3		6:00-9:00pm	T	ADM-106	Rice
52997	EDU-12000-00	Preschool Lesson Design/Class Mgmt	3/3		6:00-9:00pm	M	ADM-106	Rice
52998	EDU-24000-90	i Technology in Education	3/3	\$21	6:00-8:00pm	R	ADM-207	Balbach

**WEB ENHANCED COURSE:** Details on page 19.

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
<b><u>ELECTRICAL TECHNOLOGY - MTEC - GAYLORD</u></b>								
53055	ELT-14000-00M	Solar/Wind Energy Systems	3/4	\$12.00	5:00-9:00pm	W	MTEC	Mabarak
52174	ELT-10101-00M	Orientation to the Electrical Trade	.10/.16	\$11.88				
52203	ELT-10102-00M	Electrical Safety	.40/.63	\$47.50				
52162	ELT-10103-00M	Intro to Electrical Circuits	.30/.47	\$35.63				
52404	ELT-10104-00M	Electrical Theory	.30/.47	\$35.63				
52164	ELT-10105-00M	Intro to the NEC	.30/.47	\$35.63				
52165	ELT-10106-00M	Device Boxes	.40/.63	\$47.50				
52302	ELT-10107-00M	Hand Bending	.40/.63	\$47.50				
52228	ELT-10108-00M	Raceways & Fittings	.80/1.25	\$95.00				
52168	ELT-10109-00M	Conductors & Cables	.40/.63	\$47.50				
52169	ELT-10110-00M	Basic Elec Construction Drawings	.30/.47	\$35.63				
52170	ELT-10111-00M	Residential Electric Services	.60/.94	\$71.25				
52171	ELT-10112-00M	Electrical Test Equipment	.20/.31	\$23.75				
52172	ELT-10202-00M	Alternating Current	.70/1.09	\$83.13				
52173	ELT-10203-00M	Motors: Theory & Application	.80/1.25	\$95.00				
52201	ELT-10204-00M	Electrical Lighting	.60/.94	\$71.25				
52260	ELT-10205-00M	Conduit Bending	.60/.94	\$71.25				
52176	ELT-10206-00M	Pull & Junction Boxes	.50/.78	\$59.38				
52177	ELT-10207-00M	Conductor Installations	.40/.63	\$47.50				
52178	ELT-10208-00M	Cable Tray	.30/.47	\$35.63				
52662	ELT-10209-00M	Conductor Terminations & Splices	.30/.47	\$35.63				
52180	ELT-10210-00M	Grounding & Bonding	.60/.94	\$71.25				
52181	ELT-10211-00M	Circuit Breakers & Fuses	.50/.78	\$59.38				
52182	ELT-10212-00M	Control Systems & Concepts	.50/.78	\$59.38				
52183	ELT-20303-00M	Load Calc - Branch & Feeder Circ	.70/1.09	\$83.13				
52184	ELT-20304-00M	Conductor Selection & Calc	.60/.94	\$71.25				
52223	ELT-20305-00M	Practical Appl of Lighting	.50/.78	\$59.38				
52225	ELT-20306-00M	Hazardous Locations	.60/.94	\$71.25				
52310	ELT-20307-00M	Overcurrent Protection	1/1.56	\$118.75				
52476	ELT-20308-00M	Distribution Equipment	.50/.78	\$59.38				
52189	ELT-20309-00M	Transformers	.50/.78	\$59.38				
52190	ELT-20310-00M	Commercial Electrical Services	.40/.63	\$47.50				
52191	ELT-20311-00M	Motor Calculations	.50/.78	\$59.38				
52192	ELT-20312-00M	Voice, Data & Video	.40/.63	\$47.50				
52193	ELT-20313-00M	Motor Controls	.50/.78	\$59.38				
52194	ELT-20404-00M	Load Calc - Feeder & Services	.80/1.25	\$95.00				
52195	ELT-20405-00M	Health Care Facilities	.40/.63	\$47.50				
52196	ELT-20406-00M	Standby & Emergency Systems	.40/.63	\$47.50				
52197	ELT-20407-00M	Basic Electronic Theory	.40/.63	\$47.50				
52198	ELT-20408-00M	Fire Alarm Systems	.60/.94	\$71.25				
52199	ELT-20409-00M	Specialty Transformers	.40/.63	\$47.50				
52200	ELT-20410-00M	Advanced Motors Controls	.80/1.25	\$95.00				
52256	ELT-20411-00M	HVAC Controls	.60/.94	\$71.25				
52202	ELT-20412-00M	Heat Tracing & Freeze Protection	.40/.63	\$47.50				
52259	ELT-20413-00M	Motor Operation & Maint	.40/.63	\$47.50				
52261	ELT-20414-00M	Med Voltage Termination/Splices	.40/.63	\$47.50				
52205	ELT-20415-00M	Special Locations	.80/1.25	\$95.00				
52206	ELT-20416-00M	Intro Skills for the Crew Leader	.60/.94	\$71.25				

**ENGINEERING DESIGN TECHNOLOGY - CENTRAL CAMPUS - ROSCOMMON**

*53149	EDT-11000-00	Detailing w/AutoCAD	3/4	\$20	9:00-1:00pm	M	INS-9	Harwood
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**ENGLISH AS A SECOND LANGUAGE - CENTRAL CAMPUS - ROSCOMMON**

*52264	ESL-01000-00	English as a 2nd Language/Beginning (3/3)			TBA			Jakobson
*52265	ESL-05000-00	English as a 2nd Language/Intermediate (3/3)			TBA			Jakobson
*52266	ESL-06000-00	English as a 2nd Language/High Intermediate (3/3)			TBA			Jakobson

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
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### ENGLISH SUPPORT WORKSHOPS - CENTRAL CAMPUS - ROSCOMMON

		Improve Your Spelling (9/13 - 10/6)	0/2		12:00-1:00pm	MW	INS-16	Schutte
		Build Your Vocabulary (9/7 - 11/4)	0/2		11:00-12:00pm	TR	INS-16	Schutte

These workshops are NOT for college credit & are free to Kirtland students. No homework & 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.

The College is transitioning from using the DEV (developmental) course designatin to a more appropriate content designation of ENG (English and Reading), MTH (Mathematics) or CAR (Careers). Summer classes will still use the DEV designation, however, in the Fall schedule you will find all developmental courses listed within the appropriate department listings. Please keep in mind that courses that have numbers less than 100 generally do not count towards Kirtland degree requirements.

### ENGLISH & LITERATURE - CENTRAL CAMPUS - ROSCOMMON

53136	ENG-08008-00	Essen Language Skills	3/3		Independent Study		INS-20	Jakobson
		<b>Note: Restricted enrollment. Registration in this course is by advisor/instructor permission and placement score only.</b>						
53065	ENG-08602-00	Basic Reading Skills	3/3	\$10	10:00-11:30am	TR	ADM-110	Brown
*53066	ENG-08805-00	Writing Mechanics	2/2		Independent Study			C.Finke
53067	ENG-09000-00	Fund of English	3/3	\$10	8:30-10:00am	MW	ADM-111	Brown
53068	ENG-09000-01	Fund of English	3/3	\$10	10:00-11:30am	MW	ADM-111	Brown
53069	ENG-09000-02	Fund of English	3/3	\$10	8:30-10:00am	TR	ADM-111	Thompson
53070	ENG-09000-03	Fund of English	3/3	\$10	1:30-3:00pm	TR	ADM-111	TBA
53072	ENG-09601-00	College Reading Skills	3/3	\$15	12:00-1:30pm	MW	ADM-110	Brown
53073	ENG-09601-01	College Reading Skills	3/3	\$15	3:00-4:30pm	TR	ADM-110	Brown
53074	ENG-09601-02	College Reading Skills	3/3	\$15	6:00-9:00pm	R	ADM-110	Hunter
52207	ENG-10000-00	Writing Lab	1/2		9:00-10:00am	MW	ADM-134	Phillips
52209	ENG-10000-01	Writing Lab	1/2		10:00-11:00am	MW	ADM-134	Phillips
52210	ENG-10000-02	Writing Lab	1/2		12:00-1:00pm	MW	ADM-134	Phillips
52403	ENG-10000-03	Writing Lab	1/2		1:00-2:00pm	MW	ADM-134	H.Sura
52407	ENG-10000-04	Writing Lab	1/2		2:00-3:00pm	MW	ADM-134	TBA
52213	ENG-10000-05	Writing Lab	1/2		3:00-4:00pm	MW	ADM-134	TBA
52214	ENG-10000-06	Writing Lab	1/2		4:00-5:00pm	MW	ADM-134	TBA
52215	ENG-10000-07	Writing Lab	1/2		9:00-10:00am	TR	ADM-134	Phillips
52216	ENG-10000-08	Writing Lab	1/2		10:00-11:00am	TR	ADM-134	Phillips
52217	ENG-10000-09	Writing Lab	1/2		12:00-1:00pm	TR	ADM-134	Phillips
52218	ENG-10000-10	Writing Lab	1/2		1:00-2:00pm	TR	ADM-134	Lemmen
52219	ENG-10000-11	Writing Lab	1/2		3:00-5:00pm	R	ADM-134	TBA
52301	ENG-10000-60	i Writing Lab	1/2	\$45	<b>Online Course</b>			Lemmen
		<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Nancy Lemmen, email lemmenn@kirtland.edu.						
52303	ENG-10000-61	i Writing Lab	1/2	\$45	<b>Online Course</b>			Lemmen
		<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Nancy Lemmen, email lemmenn@kirtland.edu.						
52226	ENG-10000-62	i Writing Lab	1/2	\$45	<b>Online Course</b>			Lemmen
		<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Nancy Lemmen, email lemmenn@kirtland.edu.						
*52474	ENG-10303-00	English Comp I w/Computers	3/3	\$15	8:30-10:00am	MW	INS-3	Thompson
*52230	ENG-10303-01	English Comp I w/Computers	3/3	\$15	10:00-11:30am	MW	INS-3	H.Sura
*52231	ENG-10303-02	English Comp I w/Computers	3/3	\$15	12:00-1:30pm	MW	INS-3	Mathews
*52232	ENG-10303-03	English Comp I w/Computers	3/3	\$15	1:30-3:00pm	MW	INS-3	Mathews
*52233	ENG-10303-04	English Comp I w/Computers	3/3	\$15	3:00-4:30pm	MW	INS-3	Raymond

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
*52234	ENG-10303-05	English Comp I w/Computers	3/3	\$15	8:30-10:00am	TR	INS-3	Mathews
*52235	ENG-10303-06	English Comp I w/Computers	3/3	\$15	10:00-11:30am	TR	INS-3	Kauffman
*52236	ENG-10303-07	English Comp I w/Computers	3/3	\$15	12:00-1:30pm	TR	INS-3	Mathews
*52237	ENG-10303-08	English Comp I w/Computers	3/3	\$15	12:00-1:30pm	TR	INS-5	A.Finke
*52238	ENG-10303-09	English Comp I w/Computers	3/3	\$15	1:30-3:00pm	TR	INS-3	A.Finke
*52239	ENG-10303-10	English Comp I w/Computers	3/3	\$15	3:00-4:30pm	TR	INS-3	Raymond
*52240	ENG-10303-11	English Comp I w/Computers	3/3	\$15	6:00-9:00pm	R	INS-3	Schicker
*52242	ENG-10303-60	i English Comp I w/Computers	3/3	\$45	<b>Online Course</b>			Thompson
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Jon Thompson, email thompsoj@kirtland.edu.								
*52243	ENG-10303-61	i English Comp I w/Computers	3/3	\$45	<b>Online Course</b>			H.Sura
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Heidi Sura, email surah@kirtland.edu.								
*52244	ENG-10303-62	i English Comp I w/Computers	3/3	\$45	<b>Online Course</b>			Thiel
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Amanda Thiel, email thiela@kirtland.edu.								
*52245	ENG-10403-00	English Comp II w/Computers	3/3	\$15	1:30-3:00pm	MW	INS-5	Raymond
*52247	ENG-10403-01	English Comp II w/Computers	3/3	\$15	10:00-11:30am	TR	INS-5	Thompson
*52248	ENG-10403-02	English Comp II w/Computers	3/3	\$15	1:30-3:00pm	TR	INS-5	Raymond
*52249	ENG-10403-03	English Comp II w/Computers	3/3	\$15	6:00-9:00pm	T	INS-5	C.Finke
*52251	ENG-10403-60	i English Comp II w/Computers	3/3	\$45	<b>Online Course</b>			Thompson
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Jon Thompson, email thompsoj@kirtland.edu.								
*52252	ENG-10403-61	i English Comp II w/Computers	3/3	\$45	<b>Online Course</b>			C.Sura
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Chris Sura, email surac@kirtland.edu.								
*53000	ENG-10602-00	Technical Writing	3/3		10:00-11:30am	MW	INS-5	Mathews
*52253	ENG-10602-60	i Technical Writing	3/3	\$45	<b>Online Course</b>			Giacobazzi
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Fred Giacobazzi, email giacobaf@kirtland.edu.								
*52254	ENG-10602-61	i Technical Writing	3/3	\$45	<b>Online Course</b>			Giacobazzi
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Fred Giacobazzi, email giacobaf@kirtland.edu								
*53001	ENG-10602-62	i Technical Writing	3/3	\$45	<b>Online Course</b>			Giacobazzi
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Fred Giacobazzi, email giacobaf@kirtland.edu								
*52255	ENG-12000-00	Journalism I	3/3		3:00-4:30pm	MW	ADM-207	Nunn
*52793	ENG-12100-00	Journalism II	3/3		3:00-4:30pm	MW	ADM-207	Nunn
*52257	ENG-12501-00	Journalism Practicum	1/1	\$15	Independent Study			Nunn
*52258	ENG-12502-00	Journalism Practicum	1/1	\$15	Independent Study			Nunn
*52372	ENG-12503-00	Journalism Practicum	1/1	\$15	Independent Study			Nunn
*52374	ENG-21500-00	Creative Writing	3/3		6:00-9:00pm	M	ADM-134	C.Finke
*52263	ENG-23000-90	i American Literature Before 1865	3/3		12:00-1:30pm	MW	ADM-204	Giacobazzi
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*53002	ENG-23200-60	i English Literature	3/3	\$45	<b>Online Course</b>			H.Sura
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Heidi Sura, email surah@kirtland.edu.								

**ENGLISH & LITERATURE - MTEC - GAYLORD**

53075	ENG-09000-00M	Fund of English	3/3	\$10	2:00-5:00pm	M	MTEC-103	C.Finke
53076	ENG-09601-00M	College Reading Skills	3/3	\$15	5:00-8:00pm	M	MTEC-103	Hunter
52208	ENG-10000-00M	Writing Lab	1/2		8:30-9:30am	TR	MTEC-103	C.Finke
*52155	ENG-10303-00M	English Comp I w/Computers	3/3	\$15	10:00-11:30am	TR	MTEC-103	C.Finke
*52246	ENG-10403-00M	English Comp II w/Computers	3/3	\$15	1:00-4:00pm	T	MTEC-103	C.Finke
*53003	ENG-10602-00M	Technical Writing	3/3	\$15	1:00-4:00pm	R	MTEC-103	Sheldon

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
<b>ENGLISH - WEST BRANCH</b>								
53006	ENG-10000-00W	Writing Lab	1/2		6:30-7:30pm	MW	WB	
*53007	ENG-10303-00W	English Comp I w/Computers	3/3	\$15	7:30-9:00pm	MW	WB	
<b>FIREFIGHTER TRAINING - CENTRAL CAMPUS - ROSCOMMON</b>								
*52267	FFT-10500-00	Intro to Firefighting	3/3		3:00-6:00pm	T	ADM-206	Forst
*52268	FFT-10600-00	Intro to Arson Investigation	3/3		6:00-9:00pm	T	INS-108	Grace
*52269	FFT-20500-00	Firefighter I	10/10	\$230	5:00-8:00pm	MW	INS-11	Grace
					10:00-2:00pm	Sat	TBA	Grace
<b>GEOLOGY - CENTRAL CAMPUS - ROSCOMMON</b>								
*52271	GEL-10500-00	Physical Geology	4/5	\$25	12:00-2:30pm	TR	INS-10	Hauser
<b>HEATING, VENTILATION, AIR CONDITIONING &amp; REFRIGERATION (HVAC) - MTEC - GAYLORD</b>								
53056	HVC-14000-00M	Geothermal Heat Pump Systems	3/4	\$19.00	5:00-9:00pm	M	MTEC	Mabarak
52278	HVC-10200-00M	Commercial Air Side Systems	.50/.78	\$59.38				
52279	HVC-10201-00M	Chimneys, Vents & Flues	.20/.31	\$23.75				
52280	HVC-10202-00M	Intro to Hydronic Systems	.40/.63	\$47.50				
52281	HVC-10203-00M	Air Quality Equipment	.20/.31	\$23.75				
52282	HVC-10204-00M	Leak Detection, Evac, Recov & Charg	.80/1.25	\$95.00				
52283	HVC-10205-00M	Alternating Current	.30/.47	\$35.63				
52284	HVC-10206-00M	Basic Electronics	.20/.31	\$23.75				
52285	HVC-10207-00M	Control Circuit Troubleshooting	1.2/1.88	\$142.50				
52286	HVC-10208-00M	Troubleshooting Gas Heating	.50/.78	\$59.38				
52287	HVC-10209-00M	Troubleshooting Cooling	.80/1.25	\$95.00				
52288	HVC-10210-00M	Heat Pumps	.80/1.25	\$95.00				
52289	HVC-10211-00M	Installation & Maint Practices	.70/1.09	\$83.13				
52290	HVC-10212-00M	Sheet Metal Duct Systems	.70/1.09	\$83.13				
52291	HVC-10213-00M	Fiberglass/Flex Duct Systems	.20/.31	\$23.75				
52292	HVC-11000-00M	Intro to HVAC	.30/.47	\$35.63				
52293	HVC-11001-00M	Trade Mathematics	.40/.63	\$47.50				
52294	HVC-11002-00M	Copper & Plastic Piping Practices	.20/.31	\$23.75				
52295	HVC-11003-00M	Soldering & Brazing	.30/.47	\$35.63				
52296	HVC-11004-00M	Ferrous Metal Piping Practices	.20/.31	\$23.75				
52297	HVC-11005-00M	Basic Electricity	.50/.78	\$59.38				
52298	HVC-11006-00M	Intro to Cooling	1.2/1.88	\$142.50				
52451	HVC-11007-00M	Intro to Heating	.60/.94	\$71.25				
52300	HVC-11008-00M	Air Distribution Systems	.40/.63	\$47.50				
52456	HVC-20300-00M	Refrigerants & Oils	.40/.63	\$47.50				
52458	HVC-20301-00M	Compressors	.60/.94	\$71.25				
52460	HVC-20302-00M	Metering Devices	.30/.47	\$35.63				
52304	HVC-20303-00M	Retail Refrigeration	.80/1.25	\$95.00				
52305	HVC-20304-00M	Commercial Hydronic Systems	.50/.78	\$59.38				
52306	HVC-20305-00M	Steam Systems	.40/.63	\$47.50				
52307	HVC-20306-00M	Planned Maintenance	.80/1.25	\$95.00				
52308	HVC-20307-00M	Water Treatment	.40/.63	\$47.50				
52309	HVC-20308-00M	Troubleshooting Elect Controls	.30/.47	\$35.63				
52156	HVC-20309-00M	Troubleshooting Oil Heating	.40/.63	\$47.50				
52475	HVC-20310-00M	Troubleshooting Heat Pumps	.50/.78	\$59.38				
52312	HVC-20311-00M	Troubleshooting Accessories	.40/.63	\$47.50				
52313	HVC-20400-00M	Construction Drawings & Specs	1.0/1.56	\$118.75				
52314	HVC-20401-00M	Air Properties & System Balancing	.80/1.25	\$95.00				
52315	HVC-20402-00M	Indoor Air Quality	.60/.94	\$71.25				
52316	HVC-20403-00M	Energy Conservation Equipment	.40/.63	\$47.50				
52317	HVC-20404-00M	Building Management Systems	.70/1.09	\$83.13				
52318	HVC-20405-00M	System Start-Up & Shut-Down	.90/1.41	\$106.88				
52319	HVC-20406-00M	Heating & Cooling System Design	1/1.56	\$118.75				
52320	HVC-20407-00M	Commercial & Industrial Refrig	.90/1.41	\$106.88				

= Sat/Sun/Evening Classes

TBA=To be announced

\*=Pre/corequisite-see college catalog

i=Internet account required-see pg 45

R=Thursday

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
52321	HVC-20408-00M	Alternative Heating & Cooling Equip	.40/.63	\$47.50				
52322	HVC-20409-00M	Intro to Supervisory Skills	.50/.78	\$59.38				

**HISTORY - CENTRAL CAMPUS - ROSCOMMON**

*52272	HIS-10500-00	Hist of World Societies to 1500	3/3		1:30-3:00pm	TR	ADM-204	Thiel
*52273	HIS-20100-00	US History to 1865	3/3		1:30-3:00pm	MW	ADM-204	Thiel
*52274	HIS-20100-60	i US History to 1865	3/3	\$45	<b>Online Course</b>			Thiel

**ONLINE COURSE REQUIREMENTS:** Online orientation (see page 45), MS Word & KCC Email.

Direct questions to John Thiel, email thielj@kirtland.edu.

*52664	HIS-20300-00	Michigan History	3/3		6:00-9:00pm	M	ADM-204	Thiel
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**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.

**INDUSTRIAL MAINTENANCE - MTEC - GAYLORD**

53008	IND-11000-00M	Orientation to the Trade	.10/.16	\$7.50				
53009	IND-11001-00M	Tools of the Trade	.20/.31	\$15.00				
53010	IND-11002-00M	Fasteners & Anchors	.20/.31	\$15.00				
53011	IND-11003-00M	Oxyfuel Cutting	.70/1.09	\$52.50				
53013	IND-11004-00M	Gaskets & Packing	.40/.63	\$30.00				
53014	IND-11005-00M	Craft-Related Mathematics	.60/.94	\$45.00				
53015	IND-11006-00M	Construction Drawings	.50/.78	\$37.50				
53016	IND-11007-00M	Pumps & Drivers	.20/.31	\$15.00				
53017	IND-11008-00M	Valves	.20/.31	\$15.00				
53018	IND-11009-00M	Intro to Test Instruments	.30/.47	\$22.50				
53019	IND-11010-00M	Material Handling & Hand Rigging	.60/.94	\$45.00				
53020	IND-11011-00M	Mobile & Support Equipment	.40/.63	\$30.00				
53021	IND-11012-00M	Lubrication	.50/.78	\$37.50				
53022	IND-12000-00M	Basic Layout	.80/1.25	\$60.00				
53024	IND-12001-00M	Intro to Piping Components	.20/.31	\$15.00				
53026	IND-12002-00M	Copper & Plastic Piping Practices	.20/.31	\$15.00				
53029	IND-12003-00M	Ferrous Metal Piping Practices	.20/.31	\$15.00				
53027	IND-12004-00M	Identify/Install/Maintain Valves	.40/.63	\$30.00				
53028	IND-12005-00M	Hydrostatic & Pneumatic Testing	.40/.63	\$30.00				
53031	IND-12006-00M	Intro to Bearings	.60/.94	\$45.00				
53033	IND-12007-00M	Low-Pressure Steam Systems	.40/.63	\$30.00				
53034	IND-12008-00M	High-Pressure Steam Systems	.80/1.25	\$60.00				
53035	IND-12009-00M	Distillation Towers & Vessels	.80/1.25	\$60.00				
53036	IND-12010-00M	Heaters, Furnaces & Cool Towers	1.20/1.88	\$90.00				
53037	IND-12011-00M	Intro to Tube Work	.40/.63	\$30.00				
53038	IND-23000-00M	Advanced Trade Math	1.20/1.88	\$90.00				
53039	IND-23001-00M	Precision Measuring Tools	.80/1.25	\$60.00				
53040	IND-23002-00M	Installing Bearings	.80/1.25	\$60.00				
53042	IND-23003-00M	Installing Couplings	.60/.94	\$45.00				
53043	IND-23004-00M	Setting Baseplates & Prealignment	1.20/1.88	\$90.00				
53044	IND-23005-00M	Conventional Alignment	1.20/1.88	\$90.00				
53045	IND-23006-00M	Installing Belt & Chain Drives	.40/.63	\$30.00				
53046	IND-23007-00M	Installing Mechanical Seals	.80/1.25	\$60.00				
53057	IND-24000-00M	Preventive & Predictive Maintenance	.40/.63	\$30.00				
53048	IND-24001-00M	Advanced Blueprint Reading	1.00/1.56	\$75.00				
53049	IND-24002-00M	Compressors & Pneumatic Systems	1.40/2.19	\$105.00				
53050	IND-24003-00M	Reverse Alignment	1.20/1.88	\$90.00				
53051	IND-24004-00M	Laser Alignment	1.00/1.56	\$75.00				
53052	IND-24005-00M	Intro to Supervisory Skills	.60/.94	\$45.00				
53053	IND-24006-00M	Troubleshooting & Repairing Pumps	.40/.63	\$30.00				
53054	IND-24007-00M	Troubleshooting & Repair Gearboxes	.80/1.25	\$60.00				

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
<b>LANGUAGES - CENTRAL CAMPUS - ROSCOMMON</b>								
52270	FRE-11000-00	French I	4/4	\$20	6:00-8:00pm	TR	ADM-252	Compo
52767	SGN-11000-00	American Sign Lang I	4/4	\$20	10:00-12:00pm	TR	ADM-252	Dawe
52768	SGN-11000-01	American Sign Lang I	4/4	\$20	3:00-5:00pm	TR	ADM-252	Dawe
*52770	SGN-13000-00	American Sign Lang III	4/4	\$45	8:00-10:00am	TR	ADM-252	Dawe
52175	SPN-11000-00	Spanish I	4/4	\$20	3:00-5:00pm	TR	INS-5	Lemmen

**LANGUAGES - MTEC - GAYLORD**

53156	SPN-11000-00	Spanish I	4/4	\$20	5:00-9:00pm	W	MTEC-103	Compo
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**MANUFACTURING PROCESSES TECHNOLOGY - CENTRAL CAMPUS - ROSCOMMON** - 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. For manufacturing lab schedule contact Jerry Boerema at 989-275-5000 ext 323. For more details contact Don Dyer, 989-275-5000 ext. 231 or Kerry Harwood 989-705-3695 .

52393	MPT-10272-00F	Machine Tool Safety	.17/.25	\$8.00				
52395	MPT-10273-00F	Identifying Surface Finishes	.08/.13	\$4.00				
52397	MPT-10274-00F	Shop Math - Speeds and Feeds	.21/.31	\$10.00				
52399	MPT-10275-00F	Sharpening Drill Bits	.25/.38	\$12.00				
52401	MPT-10276-00F	Drilling on a Press	.17/.25	\$8.00				
52659	MPT-10277-00F	Power Tap on the Drill Press	.25/.38	\$12.00				
52663	MPT-10278-00F	Drill Press Project	.58/.88	\$28.00				
52667	MPT-10279-00F	Band Saw Blade Welding	.25/.38	\$12.00				
52409	MPT-10280-00F	Vertical Band Saw Project	.25/.38	\$12.00				
52411	MPT-10281-00F	Maintaining the Lathe	.17/.25	\$8.00				
52413	MPT-10282-00F	Grinding Lathe Tools	.25/.38	\$12.00				
52415	MPT-10283-00F	Facing on the Lathe	.21/.31	\$10.00				
52417	MPT-10284-00F	Aligning Lathe Centers	.17/.25	\$8.00				
52419	MPT-10285-00F	Cutting External Threads	.50/.75	\$24.00				
52421	MPT-10286-00F	Dial in Vise/Tram in Head	.21/.31	\$10.00				
52423	MPT-10287-00F	Fly Cutter/End Mill/Square Block	.21/.31	\$10.00				
52425	MPT-10288-00F	Digital Read/Drill, Tap, & Ream	.25/.38	\$12.00				
52427	MPT-10289-00F	Parallel Turning on the Lathe	.21/.31	\$10.00				
52429	MPT-10290-00F	Groove & Part on the Lathe	.13/.19	\$6.00				
52431	MPT-10291-00F	Cutting Internal Threads	.42/.63	\$20.00				
52433	MPT-10292-00F	Knurling on the Lathe	.13/.19	\$6.00				
52435	MPT-10293-00F	Sharpen End Mills (End)	1.0/1.5	\$48.00				
52437	MPT-10295-00F	Tilt Head and Turn Vise/Cut "V"	.50/.75	\$24.00				
52439	MPT-10296-00F	Turntable/Cut Radii	.33/.50	\$16.00				
52441	MPT-10297-00F	Sine Plate/Cut Angles	.33/.50	\$16.00				
52443	MPT-10298-00F	Boring Head/Bore 4 Holes	.33/.50	\$16.00				
52445	MPT-10299-00F	Indexing Head/Key Ways	.17/.25	\$8.00				
52447	MPT-10302-00F	Square and Block (6 Sides)	.25/.38	\$12.00				
52449	MPT-10303-00F	Grind Angles and Radii	.50/.75	\$24.00				
52756	MPT-10304-00F	Parallel Grind to Print	1.0/1.5	\$48.00				
52453	MPT-10305-00F	External/Internal Tapers	.50/.75	\$24.00				
52455	MPT-10306-00F	CNC Fundamentals	.83/1.25	\$40.00				
52457	MPT-10307-00F	Geom Dimensioning/Tolerancing	.33/.50	\$16.00				
52459	MPT-10308-00F	Micrometer	.13/.19	\$6.00				
52461	MPT-10309-00F	Calipers: Digital, Vernier, Dial	.17/.25	\$8.00				
52463	MPT-10310-00F	Telescoping Gauge	.13/.19	\$6.00				
52465	MPT-10311-00F	Depth Micrometer	.13/.19	\$6.00				
52467	MPT-10312-00F	Dial Indicators	.13/.19	\$6.00				
52469	MPT-10313-00F	Gauge Blocks	.13/.19	\$6.00				
52471	MPT-10314-00F	Machine Shop Trigonometry	.67/1.0	\$32.00				
52473	MPT-10315-00F	Height Gauge	.17/.25	\$8.00				
52186	MPT-10316-00F	Sine Bar	.17/.25	\$8.00				
53057	MPT-10364-00F	Cut Radius & External Tapers	.50/.75	\$24.00				

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
53058	MPT-10408-00F	Math for Dividing Head	.17/.25	\$8.00				
53059	MPT-10409-00F	Dividing Head/Cut Gear	.42/.63	\$20.00				
52480	MPT-20319-00F	Prop Metals/Physical Metallurgy	.13/.19	\$6.00				
52482	MPT-20320-00F	Constitution of Alloys	.17/.25	\$8.00				
52484	MPT-20321-00F	Carbon & Alloy Steels	.13/.19	\$6.00				
52486	MPT-20322-00F	Heat & Surface Treat for Steel	.13/.19	\$6.00				
52488	MPT-20323-00F	Cast Irons	.13/.19	\$6.00				
52490	MPT-20324-00F	Light Metals & Alloys	.13/.19	\$6.00				
52492	MPT-20325-00F	Lead, Tin, and Zinc	.13/.19	\$6.00				
52494	MPT-20326-00F	Intro to Metallurgy	.46/.69	\$22.00				
52496	MPT-20327-00F	Examining & Identifying Metals	.13/.19	\$6.00				
52498	MPT-20328-00F	Fund of Welding/Brazing/Casting	.13/.19	\$6.00				
52500	MPT-20329-00F	Fund of Welding Stainless Steel	.13/.19	\$6.00				
52502	MPT-20330-00F	Testing Metals	.42/.63	\$20.00				
52504	MPT-20331-00F	Machinery Handbook	.17/.25	\$8.00				
52506	MPT-20332-00F	Machine Tool Blueprint Reading	.83/1.25	\$40.00				
52508	MPT-20333-00F	Basic Shop Math	.67/1.0	\$32.00				
52510	MPT-20334-00F	Machine Tool Math	.75/1.13	\$36.00				
52512	MPT-20335-00F	Machinist Scale	.08/.13	\$4.00				
52514	MPT-20336-00F	Dividers	.08/.13	\$4.00				
52516	MPT-20337-00F	Spring Calipers	.08/.13	\$4.00				
52518	MPT-20338-00F	Combination Square	.08/.13	\$4.00				
52520	MPT-20339-00F	Legged Calipers (Hermaphrodite)	.08/.13	\$4.00				
52522	MPT-20340-00F	Surface Gauge	.08/.13	\$4.00				
52524	MPT-20366-00F	EDM Fundamentals	.29/.44	\$14.00				
52526	MPT-20367-00F	EDM Project	.50/.75	\$24.00				
52528	MPT-20368-00F	Universal Indexing Head	.50/.75	\$24.00				
52530	MPT-20370-00F	CNC Milling	1.67/2.5	\$80.00				
52531	MPT-20371-00F	Precision Vise	2.08/3.13	\$100.00				
52533	MPT-20372-00F	1-2-3 Blocks	1.0/1.5	\$48.00				
52535	MPT-20373-00F	Tool Makers V-Blocks	1.67/2.5	\$80.00				
52537	MPT-20374-00F	Transform of Am Industry #1	.33/.50	\$16.00				
52539	MPT-20375-00F	Deming on Quality & Product #2	.33/.50	\$16.00				
52541	MPT-20376-00F	Model Quality/Prod Improve #3	.33/.50	\$16.00				
52543	MPT-20377-00F	Project Selection #4	.33/.50	\$16.00				
52545	MPT-20378-00F	Data Gathering & Prob Solving #5	.33/.50	\$16.00				
52547	MPT-20379-00F	Data Analysis/Interpretation #6	.33/.50	\$16.00				
52549	MPT-20380-00F	Process Cntl X-Bar & R-Charts #7	.33/.50	\$16.00				
52551	MPT-20381-00F	Process Capability #8	.33/.50	\$16.00				
52553	MPT-20382-00F	Median & Individual Charts #9	.33/.50	\$16.00				
52555	MPT-20383-00F	Attribute Charts #10	.33/.50	\$16.00				
52557	MPT-20384-00F	Project Evaluation #11	.33/.50	\$16.00				
52559	MPT-20385-00F	Cont Improvement Strategies #12	.33/.50	\$16.00				
52561	MPT-20386-00F	Reaming on the Drill Press	.13/.19	\$6.00				
52563	MPT-20387-00F	Counterbore/Sink, Spot-Face	.21/.31	\$10.00				
52565	MPT-20388-00F	Hand Tap on the Drill Press	.21/.31	\$10.00				
52567	MPT-20389-00F	Boring Internal Tapers	.67/1.0	\$32.00				
52569	MPT-20390-00F	Lathe Project	1.25/1.88	\$60.00				
52571	MPT-20391-00F	Horizontal Milling/Saw Slot	.17/.25	\$8.00				
52572	MPT-20392-00F	5C Collet Holder/Cut Square/Hex	.33/.50	\$16.00				
52574	MPT-20393-00F	Make Dove Tails	.67/1.0	\$32.00				
52576	MPT-20394-00F	Mill Project	1.25/1.88	\$60.00				
52578	MPT-20395-00F	Complete Two Projects to Print	1.58/2.38	\$76.00				
52580	MPT-20397-00F	Sine Bar Project	.83/1.25	\$40.00				
52582	MPT-20398-00F	CNC Advanced Programming	2.08/3.13	\$100.00				

KCC

FALL SCHEDULE

KCC

33

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
<b>MANUFACTURING PROCESSES TECHNOLOGY - MTEC - GAYLORD</b>								
52394	MPT-10272-00M	Machine Tool Safety	.17/.25	\$8.00				
52396	MPT-10273-00M	Identifying Surface Finishes	.08/.13	\$4.00				
52398	MPT-10274-00M	Shop Math - Speeds and Feeds	.21/.31	\$10.00				
52400	MPT-10275-00M	Sharpening Drill Bits	.25/.38	\$12.00				
52402	MPT-10276-00M	Drilling on a Press	.17/.25	\$8.00				
52661	MPT-10277-00M	Power Tap on the Drill Press	.25/.38	\$12.00				
52665	MPT-10278-00M	Drill Press Project	.58/.88	\$28.00				
52408	MPT-10279-00M	Band Saw Blade Welding	.25/.38	\$12.00				
52410	MPT-10280-00M	Vertical Band Saw Project	.25/.38	\$12.00				
52412	MPT-10281-00M	Maintaining the Lathe	.17/.25	\$8.00				
52414	MPT-10282-00M	Grinding Lathe Tools	.25/.38	\$12.00				
52416	MPT-10283-00M	Facing on the Lathe	.21/.31	\$10.00				
52418	MPT-10284-00M	Aligning Lathe Centers	.17/.25	\$8.00				
52420	MPT-10285-00M	Cutting External Threads	.50/.75	\$24.00				
52422	MPT-10286-00M	Dial in Vise/Tram in Head	.21/.31	\$10.00				
52424	MPT-10287-00M	Fly Cutter/End Mill/Square Block	.21/.31	\$10.00				
52426	MPT-10288-00M	Digital Read/Drill, Tap, & Ream	.25/.38	\$12.00				
52428	MPT-10289-00M	Parallel Turning on the Lathe	.21/.31	\$10.00				
52430	MPT-10290-00M	Groove & Part on the Lathe	.13/.19	\$6.00				
52432	MPT-10291-00M	Cutting Internal Threads	.42/.63	\$20.00				
52434	MPT-10292-00M	Knurling on the Lathe	.13/.19	\$6.00				
52436	MPT-10293-00M	Sharpen End Mills (End)	1.0/1.5	\$48.00				
52438	MPT-10295-00M	Tilt Head & Turn Vise/Cut "V"	.50/.75	\$24.00				
52440	MPT-10296-00M	Turntable/Cut Radii	.33/.50	\$16.00				
52442	MPT-10297-00M	Sine Plate/Cut Angles	.33/.50	\$16.00				
52444	MPT-10298-00M	Boring Head/Bore 4 Holes	.33/.50	\$16.00				
52446	MPT-10299-00M	Indexing Head/Key Ways	.17/.25	\$8.00				
52448	MPT-10302-00M	Square & Block (6 Sides)	.25/.38	\$12.00				
52450	MPT-10303-00M	Grind Angles & Radii	.50/.75	\$24.00				
52452	MPT-10304-00M	Parallel Grind to Print	1.0/1.5	\$48.00				
52454	MPT-10305-00M	External/Internal Tapers	.50/.75	\$24.00				
52765	MPT-10306-00M	CNC Fundamentals	.83/1.25	\$40.00				
52769	MPT-10307-00M	Geom Dimensioning/Tolerancing	.33/.50	\$16.00				
52773	MPT-10308-00M	Micrometer	.13/.19	\$6.00				
52462	MPT-10309-00M	Calipers: Digital, Vernier, Dial	.17/.25	\$8.00				
52464	MPT-10310-00M	Telescoping Gauge	.13/.19	\$6.00				
52466	MPT-10311-00M	Depth Micrometer	.13/.19	\$6.00				
52468	MPT-10312-00M	Dial Indicators	.13/.19	\$6.00				
52470	MPT-10313-00M	Gauge Blocks	.13/.19	\$6.00				
52472	MPT-10314-00M	Machine Shop Trigonometry	.67/1.0	\$32.00				
52151	MPT-10315-00M	Height Gauge	.17/.25	\$8.00				
52185	MPT-10316-00M	Sine Bar	.17/.25	\$8.00				
52477	MPT-10364-00M	Cut Radius & External Tapers	.50/.75	\$24.00				
52478	MPT-10408-00M	Math for Dividing Head	.17/.25	\$8.00				
52479	MPT-10409-00M	Dividing Head/Cut Gear	.42/.63	\$20.00				
52481	MPT-20319-00M	Prop Metals/Physical Metallurgy	.13/.19	\$6.00				
52483	MPT-20320-00M	Constitution of Alloys	.17/.25	\$8.00				
52485	MPT-20321-00M	Carbon & Alloy Steels	.13/.19	\$6.00				
52487	MPT-20322-00M	Heat & Surface Treat for Steel	.13/.19	\$6.00				
52489	MPT-20323-00M	Cast Irons	.13/.19	\$6.00				
52491	MPT-20324-00M	Light Metals & Alloys	.13/.19	\$6.00				
52493	MPT-20325-00M	Lead, Tin & Zinc	.13/.19	\$6.00				
52495	MPT-20326-00M	Intro to Metallurgy	.46/.69	\$22.00				
52497	MPT-20327-00M	Examining & Identifying Metals	.13/.19	\$6.00				
52499	MPT-20328-00M	Fund of Welding/Brazing/Casting	.13/.19	\$6.00				
52501	MPT-20329-00M	Fund of Welding Stainless Steel	.13/.19	\$6.00				

= Sat/Sun/Evening Classes

TBA-To be announced

\*=Pre/corequisite-see college catalog

i=Internet account required-see pg 45

R=Thursday

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
52503	MPT-20330-00M	Testing Metals	.42/.63	\$20.00				
52505	MPT-20331-00M	Machinery Handbook	.17/.25	\$8.00				
52507	MPT-20332-00M	Machine Tool Blueprint Reading	.83/1.25	\$40.00				
52509	MPT-20333-00M	Basic Shop Math	.67/1.0	\$32.00				
52511	MPT-20334-00M	Machine Tool Math	.75/1.13	\$36.00				
52513	MPT-20335-00M	Machinist Scale	.08/.13	\$4.00				
52515	MPT-20336-00M	Dividers	.08/.13	\$4.00				
52517	MPT-20337-00M	Spring Calipers	.08/.13	\$4.00				
52519	MPT-20338-00M	Combination Square	.08/.13	\$4.00				
52521	MPT-20339-00M	Legged Calipers (Hermaphrodite)	.08/.13	\$4.00				
52523	MPT-20340-00M	Surface Gauge	.08/.13	\$4.00				
52525	MPT-20366-00M	EDM Fundamentals	.29/.44	\$14.00				
52527	MPT-20367-00M	EDM Project	.50/.75	\$24.00				
52529	MPT-20368-00M	Universal Indexing Head	.50/.75	\$24.00				
52532	MPT-20371-00M	Precision Vise	2.08/3.13	\$100.00				
52534	MPT-20372-00M	1-2-3 Blocks	1.0/1.5	\$48.00				
52536	MPT-20373-00M	Tool Makers V-Blocks	1.67/2.5	\$80.00				
52538	MPT-20374-00M	Transform of Am Industry #1	.33/.50	\$16.00				
52540	MPT-20375-00M	Deming on Quality & Product #2	.33/.50	\$16.00				
52542	MPT-20376-00M	Model Quality/Prod Improve #3	.33/.50	\$16.00				
52544	MPT-20377-00M	Project Selection #4	.33/.50	\$16.00				
52546	MPT-20378-00M	Data Gathering & Prob Solving #5	.33/.50	\$16.00				
52548	MPT-20379-00M	Data Analysis/Interpretation #6	.33/.50	\$16.00				
52550	MPT-20380-00M	Process Cntl X-Bar & R-Charts #7	.33/.50	\$16.00				
52552	MPT-20381-00M	Process Capability #8	.33/.50	\$16.00				
52554	MPT-20382-00M	Median & Individual Charts #9	.33/.50	\$16.00				
52556	MPT-20383-00M	Attribute Charts #10	.33/.50	\$16.00				
52558	MPT-20384-00M	Project Evaluation #11	.33/.50	\$16.00				
52560	MPT-20385-00M	Cont Improvement Strategies #12	.33/.50	\$16.00				
52562	MPT-20386-00M	Reaming on the Drill Press	.13/.19	\$6.00				
52564	MPT-20387-00M	Counterbore/Sink, Spot-Face	.21/.31	\$10.00				
52566	MPT-20388-00M	Hand Tap on the Drill Press	.21/.31	\$10.00				
52568	MPT-20389-00M	Boring Internal Tapers	.67/1.0	\$32.00				
52570	MPT-20390-00M	Lathe Project	1.25/1.88	\$60.00				
52573	MPT-20392-00M	5C Collet Holder/Cut Square/Hex	.33/.50	\$16.00				
52575	MPT-20393-00M	Make Dove Tails	.67/1.0	\$32.00				
52577	MPT-20394-00M	Mill Project	1.25/1.88	\$60.00				
52579	MPT-20395-00M	Complete Two Projects to Print	1.58/2.38	\$76.00				
52581	MPT-20397-00M	Sine Bar Project	.83/1.25	\$40.00				
52583	MPT-20398-00M	CNC Advanced Programming	2.08/3.13	\$100.00				

The College is transitioning from using the DEV (developmental) course designatin to a more appropriate content designation of ENG (English and Reading), MTH (Mathematics) or CAR (Careers). Summer classes will still use the DEV designation, however, in the Fall schedule you will find all developmental courses listed within the appropriate department listings. Please keep in mind that courses that have numbers less than 100 generally do not count towards Kirtland degree requirements.

#### MATHEMATICS - CENTRAL CAMPUS - ROSCOMMON

+53078	MTH-06300-00	Basic Mathematics	4/4	\$6	8:00-10:00am	MW	INS-16	Lange
+53079	MTH-06300-01	Basic Mathematics	4/4	\$6	3:00-5:00pm	MW	INS-16	Romancky
+53080	MTH-06300-02	Basic Mathematics	4/4	\$6	6:00-8:00pm	MW	INS-16	Baker
+53081	MTH-06300-03	Basic Mathematics	4/4	\$6	12:00-2:00pm	TR	INS-16	E.Baughn
+53082	MTH-06300-04	Basic Mathematics	4/4	\$6	3:00-5:00pm	TR	INS-16	Doran

†NOTE: All testing for MTH-06300 will be done in the the Testing Center located in the Administration Center. Students should allow for one additional hour per week for testing.

*53083	MTH-07300-00	Basic Algebra	4/4	\$6	10:00-12:00pm	MW	INS-1	Romancky
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ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
*53085	MTH-07300-01	Basic Algebra	4/4	\$6	12:00-2:00pm	MW	INS-1	Lange
*53086	MTH-07300-02	Basic Algebra	4/4	\$6	12:00-2:00pm	MW	INS-15	K.Baughn
*53087	MTH-07300-03	Basic Algebra	4/4	\$6	3:00-5:00pm	MW	INS-1	Murray
*53088	MTH-07300-04	Basic Algebra	4/4	\$6	6:00-8:00pm	MW	INS-1	Mulka
*53089	MTH-07300-05	Basic Algebra	4/4	\$6	8:00-10:00am	TR	INS-1	E.Baughn
*53090	MTH-07300-06	Basic Algebra	4/4	\$6	10:00-12:00pm	TR	INS-1	K.Baughn
*53091	MTH-07300-07	Basic Algebra	4/4	\$6	12:00-2:00pm	TR	INS-1	K.Baughn
*53092	MTH-07300-60	i Basic Algebra	4/4	\$45	<b>Online Course</b>			Utecht
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Dani Utecht, email utechtd@kirtland.edu. (Students must sign up for corresponding lab MTH-07400-60)								
*53093	MTH-07400-00	Basic Algebra Lab	1/1	\$6	9:00-10:00am	M	INS-15	Romancky
*53094	MTH-07400-01	Basic Algebra Lab	1/1	\$6	9:00-10:00am	W	INS-15	Romancky
*53095	MTH-07400-02	Basic Algebra Lab	1/1	\$6	2:00-3:00pm	M	INS-15	Romancky
*53096	MTH-07400-03	Basic Algebra Lab	1/1	\$6	5:00-6:00pm	M	INS-15	Mulka
*53097	MTH-07400-04	Basic Algebra Lab	1/1	\$6	9:00-10:00am	T	INS-15	K.Baughn
*53098	MTH-07400-05	Basic Algebra Lab	1/1	\$6	9:00-10:00am	R	INS-15	K.Baughn
*53101	MTH-07400-06	Basic Algebra Lab	1/1	\$6	10:00-11:00am	T	ADM-114	E.Baughn
*53100	MTH-07400-07	Basic Algebra Lab	1/1	\$6	2:00-3:00pm	T	INS-16	Romancky
*53102	MTH-07400-60	i Basic Algebra Lab	1/1	\$45	<b>Online Course</b>			Utecht
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Dani Utecht, email utechtd@kirtland.edu. (Students must sign up for corresponding lecture MTH-07300-60)								
*52584	MTH-11700-00	Math for Elementary Teachers I	3/3		6:00-9:00pm	T	INS-16	Kauffman
*52585	MTH-12000-00	Intermediate Algebra	4/4		8:00-10:00am	MW	ADM-105	Holton
*53062	MTH-12000-80	i Intermediate Algebra	4/4	\$45	10:00-12:00pm	MW	ADM-105	Mace
<b>HYBRID COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Doug Mace, email maced@kirtland.edu. NOTE: This course will be a combination of on-campus & online instruction.								
*53063	MTH-12000-01	Intermediate Algebra	4/4		12:00-2:00pm	MW	ADM-105	Holton
*52587	MTH-12000-02	Intermediate Algebra	4/4		3:00-5:00pm	MW	ADM-105	K.Baughn
*52588	MTH-12000-03	Intermediate Algebra	4/4		8:00-10:00am	TR	ADM-105	Romancky
*52589	MTH-12000-04	Intermediate Algebra	4/4		3:00-5:00pm	TR	ADM-105	Scheer
*52590	MTH-12000-05	Intermediate Algebra	4/4		6:00-8:00pm	TR	ADM-105	Scheer
*52593	MTH-12000-60	i Intermediate Algebra	4/4	\$45	<b>Online Course</b>			Mace
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Doug Mace, email maced@kirtland.edu.								
*52596	MTH-13000-00	College Algebra	4/4		12:00-2:00pm	TR	ADM-105	Holton
*53064	MTH-13000-60	i College Algebra	4/4	\$45	<b>Online Course</b>			Holton
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Nick Holton, email holtonn@kirtland.edu.								
*52599	MTH-14000-00	Trigonometry	3/3		10:00-11:30am	TR	ADM-105	Holton
*53103	MTH-20600-60	i Application in Statistics	4/4	\$45	<b>Online Course</b>			Mace
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Doug Mace, email maced@kirtland.edu.								
*53104	MTH-20600-80	i Application in Statistics	4/4	\$45	10:00-12:00pm	TR	ADM-106	Mace
<b>HYBRID COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Doug Mace, email maced@kirtland.edu. NOTE: This course will be a combination of on-campus & online instruction.								
*52602	MTH-22002-90	i Calculus I	4/4		12:00-2:00pm	TR	ADM-135	Mace
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52603	MTH-22202-00	Calculus III	4/4		8:00-10:00am	TR	INS-16	Mace
<b>MATHEMATICS - MTEC - GAYLORD</b>								
53105	MTH-06300-00M	Basic Mathematics	4/4	\$6	12:00-2:00pm	MW	MTEC-103	Phelps
*53106	MTH-07300-00M	Basic Algebra	4/4	\$6	3:00-5:00pm	TR	MTEC-105	Neigh
*53107	MTH-07400-00M	Basic Algebra Lab	1/1	\$6	2:00-3:00pm	T	MTEC-105	Neigh
*52586	MTH-12000-00M	Intermediate Algebra	4/4		6:00-8:00pm	TR	MTEC-105	Neigh

= Sat/Sun/Evening Classes

TBA=To be announced

\*=Pre/corequisite-see college catalog

i=Internet account required-see pg 45

R=Thursday

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
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**MATHEMATICS - WEST BRANCH**

*53108	MTH-07300-00W	Basic Algebra	4/4	\$6	4:30-6:30pm	MW	WB	Rickard
*53109	MTH-07400-00W	Basic Algebra Lab	1/1	\$6	3:30-4:30pm	W	WB	Rickard

**MUSIC - CENTRAL CAMPUS - ROSCOMMON**

*52604	MUS-10100-60	i Music History & Apprec	3/3	\$45	<b>Online Course</b>			Peterson
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**ONLINE COURSE REQUIREMENTS:** Online orientation (see page 45), MS Word & KCC Email.  
Direct questions to Candy Peterson, email petersca@kirtland.edu.

52605	MUS-10802-00	Contemporary Acoustic Guitar I	2/2	\$10	6:00-8:00pm	T	ADM-135	Peterson
*52790	MUS-10901-00	Contemporary Acoustic Guitar II	2/2	\$10	6:00-8:00pm	T	ADM-135	Peterson
52607	MUS-11500-00	Beginning Voice	3/3	\$15	6:00-9:00pm	M	STU-Lab	Peterson
*52788	MUS-27503-00	Intermediate Voice	3/3	\$15	6:00-9:00pm	M	STU-Lab	Peterson

**NURSING - CENTRAL CAMPUS - ROSCOMMON - Restricted Admission - Contact Health Careers Office for details.**

*52609	NUR-10300-90	i Nursing Essentials	2/2	\$10	10:00-12:00pm	W	INS-11	Pavelek
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52611	NUR-10300-91	i Nursing Essentials	2/2	\$10	2:30-4:30pm	W	ADM-136	Pavelek
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52612	NUR-10502-90	i Foundations of Nursing	3/3	\$24	8:00-11:00am	R	INS-123	Mogle
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52614	NUR-10502-91	i Foundations of Nursing	3/3	\$24	12:00-3:00pm	R	INS-123	Mogle
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52615	NUR-10700-90	i Mental Health Concepts	1/1	\$7	1:00-2:00pm	W	INS-123	Pavelek
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52617	NUR-10700-91	i Mental Health Concepts	1/1	\$7	5:00-6:00pm	W	INS-123	Pavelek
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52618	NUR-10803-00	Nursing Practice Lab	3/4	\$140	1:30-6:30pm	T	INS-208	Greenen
*52620	NUR-10803-01	Nursing Practice Lab	3/4	\$140	2:30-7:30pm	W	INS-208	TBA
*52622	NUR-10803-02	Nursing Practice Lab	3/4	\$140	8:30-1:30pm	W	INS-213	Greenen
*52623	NUR-10803-03	Nursing Practice Lab	3/4	\$140	8:00-1:00pm	M	INS-213	TBA
*52624	NUR-10804-00	Nursing Clinical I	2/6	\$25	TBA			
*52626	NUR-10804-01	Nursing Clinical I	2/6	\$25	TBA			
*52628	NUR-10804-02	Nursing Clinical I	2/6	\$25	TBA			
*52630	NUR-10804-03	Nursing Clinical I	2/6	\$25	TBA			
*52632	NUR-10804-04	Nursing Clinical I	2/6	\$25	TBA			
*52633	NUR-10804-05	Nursing Clinical I	2/6	\$25	TBA			
*52634	NUR-10804-06	Nursing Clinical I	2/6	\$25	TBA			
*52635	NUR-10804-07	Nursing Clinical I	2/6	\$25	TBA			
*52636	NUR-10804-08	Nursing Clinical I	2/6	\$25	TBA			
*52637	NUR-10900-90	i Pharmacology I	2/2	\$20	9:00-11:00am	R	INS-108	McClure
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52639	NUR-10900-91	i Pharmacology I	2/2	\$20	12:00-2:00pm	R	INS-108	McClure
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52640	NUR-12503-90	i Adult Medical-Surgical Nursing	4/4	\$42	8:30-12:30pm	M	INS-123	McClure
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52641	NUR-20900-00	Pharmacology II	2/2	\$20	2:30-4:30pm	M	INS-123	McClure
*52642	NUR-22001-90	i Nursing Assessment	3/3	\$45	12:30-3:30pm	T	INS-213	Hubbard
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52643	NUR-22001-91	i Nursing Assessment	3/3	\$45	3:30-6:30pm	W	INS-213	TBA
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52644	NUR-22201-00	Critical Thinking in Adult Care	5/5	\$30	10:00-1:00pm	W	INS-123	Hillman
					10:00-12:00pm	R	INS-208	Hillman
*52645	NUR-22300-00	Adult Nursing Clinical	5/15	\$45	7:00-3:00pm	MT	W.Branch	TBA
*52646	NUR-22300-01	Adult Nursing Clinical	5/15	\$45	7:00-3:00pm	MT	Gaylord	Mogle
*52648	NUR-22300-02	Adult Nursing Clinical	5/15	\$45	6:00-2:00pm	MT	Grayling	TBA
*52649	NUR-23200-90	i Family Centered Pediatrics	2/2	\$20	1:00-3:00pm	W	INS-11	Hubbard
<b>WEB ENHANCED COURSE: Details on page 19.</b>								

KCC

FALL SCHEDULE

KCC

37

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
*52650	NUR-24201-60	i Comm Mental Health Nursing	2/2	\$45	<b>Online Course</b>			Pavelek
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Contact Nancy Pavelek, email pavelekn@kirtland.edu.								
*52651	NUR-24201-90	i Comm Mental Health Nursing	2/2	\$10	4:00-6:00pm	T	INS-123	Pavelek
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52652	NUR-24302-90	i Comm Mental Health Clinical	1.5/4.5	\$15	TBA	M		Pavelek
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52653	NUR-24302-91	i Comm Mental Health Clinical	1.5/4.5	\$15	TBA	M		Greenen
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52654	NUR-24302-92	i Comm Mental Health Clinical	1.5/4.5	\$15	TBA	F		Greenen
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52655	NUR-24600-00	Nursing Care of Women/Families	2/2	\$20	10:00-12:00pm	W	INS-208	Mogle
*52656	NUR-24900-00	Peds/Women's Health Clinical	1.5/4.5	\$15	TBA	M		Skrocki/Anderson
*52657	NUR-24900-01	Peds/Women's Health Clinical	1.5/4.5	\$15	TBA	RF		Skrocki/Anderson
*52658	NUR-24900-02	Peds/Women's Health Clinical	1.5/4.5	\$15	TBA	RF		Skrocki/Anderson

**NURSING - MTEC - GAYLORD - Restricted Admission - Contact Health Careers Office for details.**

*52610	NUR-10300-90M	i Nursing Essentials	2/2	\$10	9:00-11:00pm	T	MTEC-105	Pavelek
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52613	NUR-10502-90M	i Foundations of Nursing	3/3	\$24	8:00-11:00am	M	MTEC-103	Hubbard
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52616	NUR-10700-90M	i Mental Health Concepts	1/1	\$7	12:00-1:00pm	T	MTEC-105	Pavelek
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52619	NUR-10803-00M	Nursing Practice Lab	3/4	\$140	3:00-8:00pm	M	MTEC-108	TBA
*52621	NUR-10803-01M	Nursing Practice Lab	3/4	\$140	2:00-7:00pm	T	MTEC-108	TBA
*52625	NUR-10804-00M	Nursing Clinical I	2/6	\$25	TBA			
*52627	NUR-10804-01M	Nursing Clinical I	2/6	\$25	TBA			
*52629	NUR-10804-02M	Nursing Clinical I	2/6	\$25	TBA			
*52631	NUR-10804-03M	Nursing Clinical I	2/6	\$25	TBA			
*52638	NUR-10900-90M	i Pharmacology I	2/2	\$20	11:30-1:30pm	M	MTEC-105	Hubbard
<b>WEB ENHANCED COURSE: Details on page 19.</b>								

**OFFICE INFORMATION SYSTEMS - CENTRAL CAMPUS - ROSCOMMON - Contact Lisa Lashley, 989-275-5000, ext.**

345 or email lashleyl@kirtland.edu.

52669	OIS-10100-00F	i Basic Keyboarding	1/1	\$5	FLEX Mandatory mtg 8/20, 12pm			ADM-247
52670	OIS-10401-00F	i Keyboarding I-A	1/1	\$5	FLEX Mandatory mtg 8/20, 3pm			ADM-247
*52671	OIS-10402-00F	i Keyboarding I-B	1/1	\$5	FLEX			
*52672	OIS-10403-00F	i Keyboarding I-C	1/1	\$5	FLEX			
*52673	OIS-10500-00F	i Business Correspondence	3/3	\$5	FLEX Mandatory mtg 8/19, 2pm			ADM-206
52674	OIS-10600-00F	i Intro to Health Information Sys	3/3	\$5	FLEX Mandatory mtg 8/19, 9am			ADM-206
*52675	OIS-10701-00F	i Medical Office Transcription-A	1/1	\$10	FLEX Mandatory mtg 8/19, 4pm			ADM-206
*52676	OIS-10702-00F	i Medical Office Transcription-B	1/1	\$10	FLEX			
*52677	OIS-10703-00F	i Medical Office Transcription-C	1/1	\$10	FLEX			
*52678	OIS-10800-00F	i Medical Transcription I	3/3	\$25	FLEX Mandatory mtg 8/19, 5pm			ADM-247
52679	OIS-11201-00F	i Business Calculations	3/3	\$25	FLEX Mandatory mtg 8/20, 9am			ADM-206
*52680	OIS-11300-00F	i Medical Coding I	3/3	\$5	FLEX Mandatory mtg 8/20, 12pm			ADM-206
*52681	OIS-11401-00F	i Keyboarding II-A	1/1	\$5	FLEX Mandatory mtg 8/20, 9am			ADM-247
*52682	OIS-11402-00F	i Keyboarding II-B	1/1	\$5	FLEX			
*52683	OIS-11403-00F	i Keyboarding II-C	1/1	\$5	FLEX			
*52684	OIS-11500-00F	i Medical Insurance Billing	3/3	\$5	FLEX Mandatory mtg 8/20, 12pm			ADM-206
*52685	OIS-17000-00F	i Legal Term & Transcription	3/3	\$5	FLEX Mandatory mtg 8/19, 5pm			ADM-249
*52686	OIS-18201-00F	i Word Processing I-Word-A	1/1	\$5	FLEX Mandatory mtg 8/19, 10am			ADM-247
*52687	OIS-18202-00F	i Word Processing I-Word-B	1/1	\$5	FLEX			
*52688	OIS-18203-00F	i Word Processing I-Word-C	1/1	\$5	FLEX			
*52689	OIS-19001-00F	i Machine Transcription-A	1/1	\$10	FLEX Mandatory mtg 8/20, 10am			ADM-247
*52690	OIS-19002-00F	i Machine Transcription-B	1/1	\$10	FLEX			
*52691	OIS-19003-00F	i Machine Transcription-C	1/1	\$10	FLEX			

= Sat/Sun/Evening Classes

TBA=To be announced

\*=Pre/corequisite-see college catalog

i=Internet account required-see pg 45

R=Thursday

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
52692	OIS-20501-00F	i Records Management-A	1/1	\$5	FLEX	Mandatory mtg 8/19, 1pm		ADM-206
*52693	OIS-20502-00F	i Records Management-B	1/1	\$5	FLEX			
*52694	OIS-20503-00F	i Records Management-C	1/1	\$5	FLEX			
*52695	OIS-20600-00F	i Medical Transcription II	3/3	\$25	FLEX	Mandatory mtg 8/19, 5pm		ADM-247
*52696	OIS-20700-00F	i Medical Transcription III	3/3	\$25	FLEX	Mandatory mtg 8/19, 5pm		ADM-247
*52697	OIS-21000-00F	i Office Procedures	3/3	\$5	FLEX	Mandatory mtg 8/20, 11am		ADM-206
*52698	OIS-21100-00F	i Medical Office Procedures	3/3	\$5	FLEX	Mandatory mtg 8/20, 11am		ADM-247
*52699	OIS-21300-00F	i Medical Coding II	3/3	\$5	FLEX	Mandatory mtg 8/20, 12pm		ADM-206
*52700	OIS-21400-00F	i Keyboarding III	3/3	\$25	FLEX	Mandatory mtg 8/20, 1pm		ADM-247
*52701	OIS-21500-00F	i Desktop Publishing	3/3	\$5		Contact Kathy Taylor at taylork@kirtland.edu		
*52702	OIS-22200-00F	i Word Processing II-Word	3/3	\$5	FLEX	Mandatory mtg 8/20, 12pm		ADM-204
*52703	OIS-22500-00F	i Legal Office Procedures	3/3	\$5	FLEX	Mandatory mtg 8/19, 6pm		ADM-247
*52704	OIS-24101-00F	i Internship-Administrative Asst	3/3	\$5	FLEX	Mandatory mtg 8/20, 2pm		ADM-206
*52705	OIS-24102-00F	i Internship-Legal Secretary	3/3	\$5	FLEX	Mandatory mtg 8/20, 2pm		ADM-206
*52706	OIS-24103-00F	i Internship-Medical Secretary	3/3	\$5	FLEX	Mandatory mtg 8/20, 2pm		ADM-206
*52707	OIS-24106-00F	i Internship-Medical Transcription	4/4	\$5	FLEX	Mandatory mtg 8/20, 2pm		ADM-206
*52708	OIS-24107-00F	i Internship-Adv WP Specialist	3/3	\$5	FLEX	Mandatory mtg 8/20, 2pm		ADM-206
*52709	OIS-24108-00F	i Internship-Medical Clerk	3/3	\$5	FLEX	Mandatory mtg 8/20, 2pm		ADM-206
*52710	OIS-24109-00F	i Internship-Medical Bill/Coding	4/4	\$5	FLEX	Mandatory mtg 8/20, 2pm		ADM-206

#### OUTDOOR POWER ENGINES - MTEC - GAYLORD

51999	CAP-20003-00M	Internship/Service Learning	3/4.5		TBA			
52711	OPE-10001-00M	Two/Four Cycle Engines Level 1	3/4	\$64	9:00-1:00pm	T	MTEC	Harwood
*52713	OPE-11032-00M	Two/Four Cycle Engines Level 2	3/4	\$64	9:00-1:00pm	R	MTEC	Harwood
*52714	OPE-14000-00M	Small Engine Electricity	3/4	\$64	9:00-1:00pm	W	MTEC	Mabarak
*52715	OPE-20100-00M	Outdoor Power Engines Capstone	3/4	\$64	9:00-1:00pm	M	MTEC	Harwood
*52716	OPE-20310-00M	Powersports Equipment I	3/4	\$64	1:00-5:00pm	M	MTEC	Harwood

#### PHARMACY TECHNOLOGY - CENTRAL CAMPUS - ROSCOMMON

*53153	PHM-10000-80	i Intro to Pharmacology Tech	6/6	\$55	8:00-10:00am	R	INS-208	Hubbard
<b>HYBRID COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC E mail. Direct questions to Beth Hubbard, email hubbardb@kirtland.edu. NOTE: This course will be a combination of on-campus & online instruction.								
*53152	PHM-10100-80	i Pharmacology/Pharm Calculations	3/3	\$55	10:00-12:00pm	R	ADM-114	Hubbard
<b>HYBRID COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Beth Hubbard, email hubbardb@kirtland.edu. NOTE: This course will be a combination of on-campus & online instruction.								

#### PHILOSOPHY - CENTRAL CAMPUS - ROSCOMMON

*52717	PHL-20100-90	i Intro to Philosophy	3/3		1:30-3:00pm	MW	ADM-206	Giacobazzi
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52719	PHL-20100-91	i Intro to Philosophy	3/3		3:00-6:00pm	W	ADM-206	Giacobazzi
<b>WEB ENHANCED COURSE: Details on page 19.</b>								

#### PHILOSOPHY - MTEC - GAYLORD

*53169	PHL-21000-90M	i Intro to Ethics	3/3		6:00-9:00pm	W	MTEC-105	Norgaard
<b>WEB ENHANCED COURSE: Details on page 19.</b>								

#### PHYSICS - CENTRAL CAMPUS - ROSCOMMON

*53110	PHY-20201-90	i Physics II w/Trigonometry	4/4		3:00-5:00pm	TR	INS-119	Cochran
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52722	PHY-20202-00	Physics II w/Trigonometry Lab	1/3	\$25	6:00-9:00pm	T	INS-119	Cochran
*53111	PHY-22201-90	i Physics II w/Calculus	4/4		3:00-5:00pm	TR	INS-119	Cochran
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52724	PHY-22202-00	Physics II w/Calculus Lab	1/3	\$25	6:00-9:00pm	T	INS-119	Cochran

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
<b>PLUMBING - MTEC - GAYLORD</b>								
52725	PLB-10301-00M	Intro to the Plumbing Profession	.20/.31	\$18.75				
52726	PLB-10302-00M	Plumbing Safety	.80/1.25	\$75.00				
52727	PLB-10303-00M	Plumbing Tools	.30/.47	\$28.13				
52728	PLB-10304-00M	Intro to Plumbing Math	.30/.47	\$28.13				
52729	PLB-10305-00M	Intro to Plumbing Drawings	.50/.78	\$46.88				
52730	PLB-10306-00M	Plastic Pipe & Fittings	.40/.63	\$37.50				
52731	PLB-10307-00M	Copper Pipe & Fittings	.40/.63	\$37.50				
52732	PLB-10308-00M	Cast Iron Pipe & Fittings	.50/.78	\$46.88				
52733	PLB-10309-00M	Carbon Steel Pipe & Fittings	.40/.63	\$37.50				
52734	PLB-10310-00M	Corrugated Stainless Steel Tubing	.10/.16	\$9.38				
52735	PLB-10311-00M	Fixtures & Faucets	.20/.31	\$18.75				
52736	PLB-10312-00M	Intro to Drain/Waste/Vent Sys	.40/.63	\$37.50				
52737	PLB-10313-00M	Intro to Water Distribution Sys	.40/.63	\$37.50				
52738	PLB-10314-00M	Plumbing Math Two	.60/.94	\$56.25				
52739	PLB-10315-00M	Reading Commercial Drawings	.80/1.25	\$75.00				
52740	PLB-10316-00M	Hangers, Supports, Structure Penetrations, Fire Stopping	.40/.63	\$37.50				
52741	PLB-10317-00M	Installing & Testing DWV Piping	1.0/1.56	\$93.75				
52742	PLB-10318-00M	Installing Roof/Floor/Area Drains	.20/.31	\$18.75				
52743	PLB-10319-00M	Types of Valves	.20/.31	\$18.75				
52744	PLB-10320-00M	Install/Test Water Supply Pipe	.80/1.25	\$75.00				
52745	PLB-10321-00M	Installing Fixtures/Valves/Faucets	.80/1.25	\$75.00				
52746	PLB-10322-00M	Introduction to Electricity	.60/.94	\$56.25				
52747	PLB-10323-00M	Installing Water Heaters	.20/.31	\$18.75				
52848	PLB-10324-00M	Fuel Gas Systems	.80/1.25	\$75.00				
52849	PLB-10325-00M	Servicing Fixtures/Valves/Faucets	.20/.31	\$18.75				
<b>POLITICAL SCIENCE - CENTRAL CAMPUS - ROSCOMMON</b>								
*52750	POL-10100-00	Intro to American Govt	3/3		8:30-10:00am	MW	ADM-206	Toprak
*52751	POL-10100-01	Intro to American Govt	3/3		10:00-11:30am	MW	ADM-206	Toprak
*52752	POL-10100-02	Intro to American Govt	3/3		8:30-11:30am	T	ADM-206	Toprak
*53112	POL-10100-03	Intro to American Govt	3/3		6:00-9:00pm	W	ADM-204	Schaiberger
*52753	POL-10100-60	i Intro to American Govt	3/3	\$45	<b>Online Course</b>			Toprak
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Sinan Toprak, email topraks@kirtland.edu.								
*52754	POL-10100-61	i Intro to American Govt	3/3	\$45	<b>Online Course</b>			Toprak
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Sinan Toprak, email topraks@kirtland.edu.								
*53113	POL-20000-60	i International Relations	3/3	\$45	<b>Online Course</b>			Toprak
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Sinan Toprak, email topraks@kirtland.edu.								
<b>POLITICAL SCIENCE - WEST BRANCH</b>								
*53114	POL-10100-00W	Intro to American Govt	3/3		6:00-9:00pm	T	W.Branch	Schaiberger
<b>PSYCHOLOGY - CENTRAL CAMPUS - ROSCOMMON</b>								
*52758	PSY-10100-00	Intro to Psychology	3/3		3:00-4:30pm	TR	ADM-204	Backlund
*52760	PSY-10100-01	Intro to Psychology	3/3		6:00-9:00pm	T	ADM-206	Ott
*52761	PSY-10100-60	i Intro to Psychology	3/3	\$45	<b>Online Course</b>			Backlund
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Jim Backlund, email backlunj@kirtland.edu.								
*52762	PSY-10100-61	i Intro to Psychology	3/3	\$45	<b>Online Course</b>			Backlund
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Jim Backlund, email backlunj@kirtland.edu.								
*52763	PSY-20200-00	Abnormal Psychology	3/3		8:30-11:30am	W	ADM-204	Backlund
= Sat/Sun/Evening Classes      TBA=To be announced      *=Pre/corequisite-see college catalog      i=Internet account required-see pg 45      R=Thursday								

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
*52764	PSY-20200-60	i Abnormal Psychology	3/3	\$45	Online Course			Backlund
<b>ONLINE COURSE REQUIREMENTS:</b> Online orientation (see page 45), MS Word & KCC Email. Direct questions to Jim Backlund, email backlunj@kirtland.edu.								
*52766	PSY-26001-00	Human Sexuality	3/3		12:00-1:30pm	TR	ADM-204	Backlund

**PSYCHOLOGY - MTEC - GAYLORD**

*52759	PSY-10100-00M	Intro to Psychology	3/3		6:00-9:00pm	M	MTEC-105	Backlund
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**SOCIOLOGY - CENTRAL CAMPUS - ROSCOMMON**

*52771	SOC-10100-00	Intro to Sociology	3/3		6:00-9:00pm	T	ADM-204	Hinman
*52800	SOC-26001-00	Human Sexuality	3/3		12:00-1:30pm	TR	ADM-206	Backlund

**SONOGRAPHY - MTEC - GAYLORD**

*52774	SON-10000-90M	i Intro to Sonography Patient Care	2/3	\$50	2:00-5:00pm	R	MTEC	Hoekstra
<b>WEB ENHANCED COURSE: Details on page 19.</b>								
*52775	SON-10500-00M	Cardiac A & P	3/3	\$35	5:00-6:30pm	MW	MTEC	Eastman
*52776	SON-11000-00M	Ultrasound Physics	3/3	\$25	3:00-4:30pm	MW	MTEC	Eastman
*52777	SON-11600-00M	Cardiac Principles I	3/3	\$20	8:00-9:30am	TR	MTEC	Eastman
*52778	SON-11700-00M	Cardiac Lab I	4/8	\$50	9:30-1:30pm	TR	MTEC	Eastman
*52779	SON-15000-00M	Echo II	3/3	\$20	8:00-11:00am	M	MTEC	Eastman
*52780	SON-15600-00M	Cardiac Principles III	3/3	\$20	8:00-9:30am	TR	MTEC	Wilson
*52781	SON-15700-00M	Cardiac Lab III	4/8	\$50	9:30-1:30pm	TR	MTEC	Wilson
*52782	SON-16000-00M	Clinical Practice II	2/6	\$50	8:00-2:00pm	W	Various	Eastman
*52783	SON-22000-00M	Externship	15.5/15.5	\$40	TBA			Wilson

**SPEECH - CENTRAL CAMPUS - ROSCOMMON**

52784	SPE-10500-00	i Fund of Speech	3/3		6:00-9:00pm	M	ADM-206	Horton
52785	SPE-10500-01	i Fund of Speech	3/3		3:00-6:00pm	R	ADM-136	Horton
52786	SPE-11400-00	Interpersonal/Public Comm	3/3		12:00-1:30pm	MW	ADM-136	Fields
52787	SPE-11400-01	Interpersonal/Public Comm	3/3		3:00-6:00pm	M	ADM-136	Fields
52150	SPE-11400-02	Interpersonal/Public Comm	3/3		6:00-9:00pm	W	ADM-136	Fields
52154	SPE-11400-03	Interpersonal/Public Comm	3/3		10:00-11:30am	TR	ADM-136	Fields
52161	SPE-11400-04	Interpersonal/Public Comm	3/3		12:00-1:30pm	TR	ADM-136	Fields

**SURGICAL TECHNOLOGY - WEST BRANCH**

*53115	SUR-10000-00W	Fund of Surgical Technology	3/3	\$30	1:00-4:00pm	M	WBranch	Colunga
*53116	SUR-10100-00W	Surgical Asepsis	2/2	\$30	8:00-10:00am	M	WBranch	Colunga
*53117	SUR-10200-00W	The Surgical Patient	2/2	\$30	10:00-12:00pm	M	WBranch	Colunga
*53118	SUR-10300-00W	Surgical Pharmacology	2/2	\$30	8:00-10:00am	W	WBranch	Colunga
*53119	SUR-10400-00W	Basic Operative Procedures	2/2	\$80	10:00-12:00pm	W	WBranch	Colunga
*53120	SUR-10500-00W	Surgical Techniques I (8/24-10/12)	2/4	\$60	8:00-12:30pm	TR	WBranch	Colunga
*53121	SUR-10600-00W	Surgical Techniques II (10/14-12/9)	3/6	\$60	8:00-3:30pm	TR	WBranch	Colunga

**THEATRE - CENTRAL CAMPUS - ROSCOMMON**

52188	THE-12000-00	Intro to Theatre	3/3		12:00-1:30pm	TR	PAC-Aud	Gurnow
52229	THE-12101-00	Theatre Workshop I	1/1		3:00-6:00pm	T	PAC-Aud	Jurgess
52799	THE-12102-00	Theatre Workshop I	2/2		3:00-6:00pm	T	PAC-Aud	Jurgess
52798	THE-12103-00	Theatre Workshop I	3/3		3:00-6:00pm	T	PAC-Aud	Jurgess
52166	THE-12300-00	Acting I	3/3		10:00-11:30am	TR	PAC-Aud	Gurnow
*52797	THE-22101-00	Theatre Workshop II	1/1		3:00-6:00pm	T	PAC-Aud	Jurgess
*52796	THE-22102-00	Theatre Workshop II	2/2		3:00-6:00pm	T	PAC-Aud	Jurgess
*52795	THE-22103-00	Theatre Workshop II	3/3		3:00-6:00pm	T	PAC-Aud	Jurgess

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
<b>WELDING - CENTRAL CAMPUS - ROSCOMMON</b> - Welding courses are organized so students can register for individual components, many of which can be completed in one to two weeks. The welding lab will be available to students Monday through Thursday evenings, 6:00-9:00pm. Additional lab time may be added if necessary. For more details contact Don Dyer, 989-275-5000 ext. 231.								
52923	WLD-10120-00F	Welding Safety	0.13/0.19	\$11.25				
52815	WLD-10121-00F	AWS Joints/Positions/Weld/Sym	0.13/0.19	\$11.25				
52817	WLD-10122-00F	OAW Terms & Equipment Setup	0.17/0.25	\$15.00				
52819	WLD-10123-00F	OAW Stringer Beads/Joints 1G-1F	0.36/0.56	\$33.75				
52821	WLD-10124-00F	BW Stringer Beads & Joints	0.29/0.44	\$26.25				
52823	WLD-10125-00F	Cut OA/Plasma Cut/Carbn Arc	0.45/0.69	\$41.25				
52825	WLD-10126-00F	Identifying Good Welds per AWS	0.13/0.19	\$11.25				
52827	WLD-10127-00F	SMAW Terms/Identify Electrodes	0.17/0.25	\$15.00				
52829	WLD-10128-00F	SMAW Set-up/Stringer Beads	0.42/0.63	\$37.50				
52831	WLD-10129-00F	SMAW Joints/Flat Pos/1G-1F	0.33/0.5	\$30.00				
52833	WLD-10130-00F	GMAW Set-up/Stringer Beads	0.42/0.63	\$37.50				
52835	WLD-10131-00F	GMAW Joints/Flat Pos/1G-1F	0.29/0.44	\$26.25				
52837	WLD-10132-00F	FCAW Set-up & Stringer Beads	0.42/0.63	\$37.50				
52839	WLD-10133-00F	FCAW Joints/Flat Pos/1G-1F	0.29/0.44	\$26.25				
52841	WLD-10240-00F	GMAW Joints/Hor Pos/2G-2F	0.17/0.25	\$15.00				
52843	WLD-10241-00F	FCAW Joints/Hor Pos/2G-2F	0.17/0.25	\$15.00				
52845	WLD-10242-00F	GMAW Joints/Ver Pos/3G-3F	0.17/0.25	\$15.00				
52847	WLD-10243-00F	FCAW Joints/Ver Pos/3G-3F	0.17/0.25	\$15.00				
52849	WLD-10244-00F	GMAW Joints/Ovhd Pos/4G-4F	0.21/0.31	\$18.75				
52851	WLD-10245-00F	FCAW Joints/Ovhd Pos/4G-4F	0.21/0.31	\$18.75				
52853	WLD-10246-00F	GMAW Pulse Arc/Flat Pos/1G-1F	0.17/0.25	\$15.00				
52855	WLD-10247-00F	GMAW Core Arc Wld/Flat/1G-1F	0.17/0.25	\$15.00				
52857	WLD-10248-00F	GMAW Joints Aluminum/All Ps	0.33/0.5	\$30.00				
52859	WLD-10249-00F	Welding Blueprint Reading	0.17/0.25	\$15.00				
52861	WLD-10250-00F	Fab. Proj Using GMAW/FCAW	0.5/0.75	\$45.00				
52863	WLD-10251-00F	SMAW Multi-Pass String/Flat/1F	0.42/0.63	\$37.50				
52865	WLD-10252-00F	SMAW Multi-Pass Weave/Flat/1F	0.42/0.63	\$37.50				
52867	WLD-10253-00F	SMAW Joints/Hor Pos/2G-2F	0.36/0.56	\$33.75				
52869	WLD-10254-00F	SMAW Joints/Ver Pos/3G-3F	0.36/0.56	\$33.75				
52871	WLD-10370-00F	SMAW Joints/Ovhd Pos/4G-4F	0.5/0.75	\$45.00				
52873	WLD-10371-00F	Fabricate Project Using SMAW	0.5/0.75	\$45.00				
52875	WLD-10372-00F	Welding Metallurgy	0.9/1.38	\$82.50				
52877	WLD-10373-00F	GTAW Setup & Stringer Beads	0.42/0.63	\$37.50				
52879	WLD-10374-00F	GTAW Joints/Steel/Flat/1G-1F	0.42/0.63	\$37.50				
52881	WLD-10375-00F	GTAW Joints/StainSteel/Flat/1G-1F	0.42/0.63	\$37.50				
52883	WLD-10376-00F	GTAW Joints/Alum/Flat/1G-1F	0.42/0.63	\$37.50				
52885	WLD-10377-00F	GTAW Joints/Steel/Hor/2G-2F	0.42/0.63	\$37.50				
52887	WLD-20450-00F	GTAW Joints/Stain Steel/Hor/2G-2F	0.5/0.75	\$45.00				
52889	WLD-20451-00F	GTAW Joints/Alum/Hor/2G-2F	0.5/0.75	\$45.00				
52891	WLD-20452-00F	GTAW Joints/Steel/Ver/3G-3F	0.5/0.75	\$45.00				
52893	WLD-20453-00F	GTAW Joints/Stain Steel/Ver/3G-3F	0.5/0.75	\$45.00				
52895	WLD-20454-00F	GTAW Joints/Alum/Ver/3G-3F	0.5/0.75	\$45.00				
52897	WLD-20455-00F	GTAW Joints/Steel/Ovhd/4G-4F	0.5/0.75	\$45.00				
52899	WLD-20456-00F	GTAW Joints/StainSteel/Ovhd/4G-4F	0.5/0.75	\$45.00				
52901	WLD-20457-00F	GTAW Joints/Alum/Ovhd/4G-4F	0.5/0.75	\$45.00				
52903	WLD-20510-00F	Intro to Pipe Welding	0.21/0.31	\$18.75				
52905	WLD-20511-00F	Pipe 2G Fixed Position	0.67/1	\$60.00				
52907	WLD-20512-00F	Pipe 5G Fixed Pos/Vert Up	1.04/1.56	\$93.75				
52909	WLD-20513-00F	Pipe 5G Fixed Pos/Vert Down	1.04/1.56	\$93.75				
52911	WLD-20514-00F	Pipe 6G Fixed Position	1.04/1.56	\$93.75				
52913	WLD-20606-00F	6 Welder Qual & Projects	4/6	\$360.00				
52915	WLD-20701-00F	Directed Study - Welding Tech	1/1.5	\$90.00				
52917	WLD-20702-00F	Directed Study - Welding Tech	1/1.5	\$90.00				
52919	WLD-20703-00F	Directed Study - Welding Tech	1/1.5	\$90.00				
52921	WLD-20704-00F	Directed Study - Welding Tech	1/1.5	\$90.00				

ONLINE REQ#	COURSE- SECTION #	COURSE TITLE	CR/CONT HRS	COURSE FEE	TIME	DAY	BLDG- RM	INSTR
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**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, Tuesday 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.

52814	WLD-10120-00M	Welding Safety	0.13/0.19	\$11.25				
52816	WLD-10121-00M	AWS Joints/Positions/Weld/Sym	0.13/0.19	\$11.25				
52818	WLD-10122-00M	OAW Terms & Equipment Setup	0.17.25	\$15.00				
52820	WLD-10123-00M	OAW Stringer Beads/Joints IG-IF	0.36/0.56	\$33.75				
52822	WLD-10124-00M	BW Stringer Beads & Joints	0.29/0.44	\$26.25				
52824	WLD-10125-00M	Cut OA/Plasma Cut/Carbn Arc	0.45/0.69	\$41.25				
52826	WLD-10126-00M	Ident Good Welds per AWS	0.13/0.19	\$11.25				
52828	WLD-10127-00M	SMAW Terms/Ident Electrodes	0.17/0.25	\$15.00				
52830	WLD-10128-00M	SMAW Set-up & Stringer Beads	0.42/0.63	\$37.50				
52832	WLD-10129-00M	SMAW Joints/Flat Pos/1G-1F	0.33/0.5	\$30.00				
52834	WLD-10130-00M	GMAW Set-up & Stringer Beads	0.42/0.63	\$37.50				
52836	WLD-10131-00M	GMAW Joints/Flat Pos/1G-1F	0.29/0.44	\$26.25				
52838	WLD-10132-00M	FCAW Set-up & Stringer Beads	0.42/0.63	\$37.50				
52840	WLD-10133-00M	FCAW Joints/Flat Pos/1G-1F	0.29/0.44	\$26.25				
52842	WLD-10240-00M	GMAW Joints/Hor Pos/2G-2F	0.17/0.25	\$15.00				
52844	WLD-10241-00M	FCAW Joints/Hor Pos/2G-2F	0.17/0.25	\$15.00				
52846	WLD-10242-00M	GMAW Joints/Ver Pos/3G-3F	0.17/0.25	\$15.00				
52848	WLD-10243-00M	FCAW Joints/Ver Pos/3G-3F	0.17/0.25	\$15.00				
52850	WLD-10244-00M	GMAW Joints/Ovhd Pos/4G-4F	0.21/0.31	\$18.75				
52852	WLD-10245-00M	FCAW Joints/Ovhd Pos/4G-4F	0.21/0.31	\$18.75				
52854	WLD-10246-00M	GMAW Pulse Arc/Flat Pos/1G-1F	0.17/0.25	\$15.00				
52856	WLD-10247-00M	GMAW Core Arc Flat/1G-1F	0.17/0.25	\$15.00				
52858	WLD-10248-00M	GMAW Joints Aluminum/All Ps	0.33/0.5	\$30.00				
52860	WLD-10249-00M	Welding Blueprint Reading	0.17/0.25	\$15.00				
52862	WLD-10250-00M	Fab. Proj Using GMAW/FCAW	0.5/0.75	\$45.00				
52864	WLD-10251-00M	SMAW Multi-Pass String/Flat/1F	0.42/0.63	\$37.50				
52866	WLD-10252-00M	SMAW Multi-Pass Weave/Flat/1F	0.42/0.63	\$37.50				
52868	WLD-10253-00M	SMAW Joints/Hor Pos/2G-2F	0.36/0.56	\$33.75				
52870	WLD-10254-00M	SMAW Joints/Ver Pos/3G-3F	0.36/0.56	\$33.75				
52872	WLD-10370-00M	SMAW Joints/Ovhd Pos/4G-4F	0.5/0.75	\$45.00				
52874	WLD-10371-00M	Fabricate Project Using SMAW	0.5/0.75	\$45.00				
52876	WLD-10372-00M	Welding Metallurgy	0.9/1.38	\$85.50				
52878	WLD-10373-00M	GTAW Setup & Stringer Beads	0.42/0.63	\$37.50				
52880	WLD-10374-00M	GTAW Joints/Steel/Flat/1G-1F	0.42/0.63	\$37.50				
52882	WLD-10375-00M	GTAW Joints/StainSteel/Flat/1G-1F	0.42/0.63	\$37.50				
52884	WLD-10376-00M	GTAW Joints/Alum/Flat/1G-1F	0.42/0.63	\$37.50				
52886	WLD-10377-00M	GTAW Joints/Steel/Hor/2G-2F	0.42/0.63	\$37.50				
52888	WLD-20450-00M	GTAW Joints/Stain Steel/Hor/2G-2F	0.5/0.75	\$45.00				
52890	WLD-20451-00M	GTAW Joints/Alum/Hor/2G-2F	0.5/0.75	\$45.00				
52892	WLD-20452-00M	GTAW Joints/Steel/Ver/3G-3F	0.5/0.75	\$45.00				
52894	WLD-20453-00M	GTAW Joints/Stain Steel/Ver/3G-3F	0.5/0.75	\$45.00				
52896	WLD-20454-00M	GTAW Joints/Alum/Ver/3G-3F	0.5/0.75	\$45.00				
52898	WLD-20455-00M	GTAW Joints/Steel/Ovhd/4G-4F	0.5/0.75	\$45.00				
52900	WLD-20456-00M	GTAW Joints/StainSteel/Ovhd/4G-4F	0.5/0.75	\$45.00				
52902	WLD-20457-00M	GTAW Joints/Alum/Ovhd/4G-4F	0.5/0.75	\$45.00				
52904	WLD-20510-00M	Intro to Pipe Welding	0.21/0.31	\$18.75				
52906	WLD-20511-00M	Pipe 2G Fixed Position	0.67/1	\$60.00				
52908	WLD-20512-00M	Pipe 5G Fixed Pos/Vert Up	1.04/1.56	\$93.75				
52910	WLD-20513-00M	Pipe 5G Fixed Pos/Vert Down	1.04/1.56	\$93.75				
52912	WLD-20514-00M	Pipe 6G Fixed Position	1.04/1.56	\$93.75				
52914	WLD-20606-00M	6 Welder Qual & Projects	4/6	\$360.00				
52916	WLD-20701-00M	Directed Study - Welding Tech	1/1.5	\$90.00				
52918	WLD-20702-00M	Directed Study - Welding Tech	1/1.5	\$90.00				
52920	WLD-20703-00M	Directed Study - Welding Tech	1/1.5	\$90.00				
52922	WLD-20704-00M	Directed Study - Welding Tech	1/1.5	\$90.00				

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FALL SCHEDULE

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