

# RTC Class Schedule

Below is a list of the scheduled classes at RTC. You can search for classes by using the filters below. Need help? Contact an entry adviser or your instructor.

Classes and modes of instruction subject to change depending on state orders related to COVID-19.

Classes that are delivered online may or may not have required virtual meeting times (for example, meetings via Zoom).

- For classes that meet virtually, there are days and times listed to note the meeting times.
- For classes that do not meet virtually, the days and times are listed as "arranged" ("ARR" or "ARRANGED").

Your instructor will provide more information about each class. Please visit our [eLearning page](#) for more information about modality options at RTC.

[How To Read The Class Schedule](#)
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<b>Quarter</b>	<b>Department</b>	<b>Delivery</b>	<b>Keywords</b>	<b>Status</b>
Fall 2020	- Any -	<input checked="" type="radio"/> - Any - <input type="radio"/> FACE-TO-FACE <input type="radio"/> HYBRID <input type="radio"/> ONLINE <input type="radio"/> FLEX	<input type="text"/>	<input checked="" type="radio"/> - Any - <input type="radio"/> Open Classes Only
			<b>Instructor</b>	
			<input type="text"/>	<input type="button" value="Search"/> <input type="button" value="Reset"/>

## ACCOUNTING

### ACCT&201 - PRINCIPLES OF ACCOUNTING I - 5.0 credits

Students develop skills in recording transactions to specific areas of accounting including: accounts receivable, inventories, plant and equipment, asset valuation, notes receivable and notes payable. Emphasis is on preparing general journal entries in accordance with Generally Accepted Accounting Principles (GAAP).

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
B323	MTWTh	11:00A-12:15P	ONLINE	Sep 21 - Dec 10	ONLINE	NEWCOME J	\$12.00 Per Course - ONLINE EARNING FEE	Full ; Waitlist / 2 Students on Waitlist	Class meets via Zoom during time listed. OER (no textbook to purchase).

## ACCOUNTING

### ACCT&203 - PRINCIPLES OF ACCOUNTING III - 5.0 credits

Emphasis of this course is on using accounting information to support and assist decision making. Topics covered include cost-volume-profit analysis, budgeting, performance evaluation and special business decisions. Students also present their conclusions and analysis using a variety of methods such as written memoranda, budgeted financial statements and reports, and PowerPoint slide presentations. Prerequisite(s): ACCT& 202 with a 2.0 or higher or placement into ACCT& 203.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
B331	MTWTh	09:15A-10:30A	ONLINE	Sep 21 - Dec 10	ONLINE	NEWCOME J	\$12.00 Per Course - ONLINE EARNING FEE	Permission Code Needed	Class meets via Zoom during time listed. OER (no textbook to purchase).

## AERO & IND PROD TECH

### IPT 102 - LEAN MANUFACTURING - 3.0 credits

In this course, students learn manufacturing resource planning (MRP) concepts and how to apply those principles in diverse industrial environments. Students learn how their future positions impact production flow, and gain basic planning and troubleshooting skills to solve problems and contribute to a high efficiency environment. Students will apply MRP concepts in increasingly complex scenarios throughout the remainder of the program.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PHILLIPS V	\$12.00 Per Course -ONLINE EARNING FEE	Open 4 Enrolled / 20 Seats Available	

## AERO & IND PROD TECH

### IPT 105 - INTRODUCTION TO FABRICATION - 5.0 credits

This is a manufacturing lab class covering drilling, riveting, counter-sinking fasteners, non-powered metal bending operations, powered metal cutting, hand forming and portable dimpling process and micro-shaving, and nut plates, blind fastener, and latch installation. Students learn how to use measurement hand tools, non-powered cutting tools, and manual cutting machines in developing flat pattern layouts. The student will identify why and when the task must be done and why each step is required based on normal operating standards. The student learns the principles of folds, angles, or channels required in the fabrication and metal forming process. The student will be able to identify why and when the task must be accomplished through reading engineering drawings, understanding general dimensions and tolerances, predicting, isolating, and

resolving problems about the task.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PHILLIPS V	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 4 Enrolled / 20 Seats Available	

## AERO & IND PROD TECH

### IPT 220 - PRECISION FABRICATION - 3.0 credits

This is a hands-on lab that students will utilize their training in production drawings to manufacture fixtures & jigs within engineering drawing specifications, using dye and scribe techniques and metrology to layout patterns, as well as using air tools for precision drilling and adding specified features. With necessary attention to detail, micro-adjustments with abrasive materials, and shaping with hand tools while using metrology devices to ensure quality during the process. Keeping in mind fit, form & function in any production setting, for any assembler to use without hesitation or delay on the production floor.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	09:30A-11:00A	A26	Sep 21 - Dec 10	FACE-TO-FACE	PHILLIPS V	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 3 Enrolled / 21 Seats Available	

## AERO & IND PROD TECH

### IPT 221 - INTRODUCTION TO MEASUREMENT - 3.0 credits

Students learn device calibration practices, traceability of measurements and gaging techniques for calibration, as well as focusing on software use in tooling. Students learn the importance of proper training and discussion of various types of contact & non-contact measuring equipment and its importance in metrology. Discussion of the conversion of physical measurements to virtual and digital dimensions is generated by various programs and their potential uses in metrology. Students will learn basic camera operations, techniques, photo measurement integration and the importance of adaptive lighting, as well as discussing the importance of tracking features, surface texture, and target & scale bar placement for 3-dimensional enhancement.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PHILLIPS V	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 4 Enrolled / 20 Seats Available	

## AERO & IND PROD TECH

### IPT 222 - ADVANCED MEASUREMENT - 2.0 credits

This will be a brief study of the types of metrology students will see used throughout the class (Legal, Industrial and Scientific). Along with a brief overview of Nanometrology research worldwide and sub-atomic measurements metrology. Also students discuss measurement integration of systems into systems or the use of Adaptive Manufacturing & Mechatronics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW MW	11:30A-12:20P 11:30A 12:20P	A25 A26	Sep 21 - Dec 10	HYBRID	PHILLIPS V	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 3 Enrolled / 21 Seats Available	

## ANTHROPOLOGY

### ANTH&106 - AMERICAN MOSAIC - 5.0 credits

This course will explore contemporary American life through various cultural phenomena. Students learn core anthropological theories to make sense of race, gender, class and the other, and they explore historical processes from which these cultural notions have emerged and evolved. General education distribution area: Social Science.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G104	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MOHIBULLAH H	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	
N140	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MOHIBULLAH H	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 15 Enrolled / 10 Seats Available	OER (no textbook to purchase)

## ANTHROPOLOGY

### ANTH&234 - RELIGION AND CULTURE - 5.0 credits

This course is an anthropological exploration of religion. Using a combination of classical and contemporary works, students explore how religion is understood and lived by different people, how it shapes culture and cultural perceptions, and how it manifests in various political and cultural expression, including in popular culture. Additionally, the class examines how religions are informed by historical and cultural change, and how they position different groups of people in relation to their respective sociopolitical worlds, with themes such as religion as a cultural system; ritual and symbols, gender, sexuality and religion; religion and media' secularism; and religion in a post-9/11 United States. General education distribution area: Social Science.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G128	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MOHIBULLAH H	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	

## APPLIED MATHEMATICS

### AMATH175 - FINANCIAL MATH - 5.0 credits

This course applies mathematics to personal finance. Concepts include linear and piecewise linear functions; quadratic, exponential, and logarithmic relationships; graphing; distributions; measures for center; and spread of distributions. Financial concepts include income, taxes, discounts, simple and compound interest, buying on credit, depreciation, expenses, budgeting, annuities, stocks and bonds, and planning for retirement.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G431	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ROTH A	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 23 Enrolled / 3 Seats Available	
G501	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 5 Seats Available	
							\$12.00 Per Course -ONLINE ELEARNING FEE	Open 18 Enrolled / 8 Seats Available	



G504	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 18 Enrolled / 6 Seats Available	
N444	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	WALL S	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	
G305	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	TRAN V	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 4 Seats Available	
G436	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	TRAN V	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 20 Enrolled / 6 Seats Available	

## APPLIED MATHEMATICS

### AMATH175S - INDUSTRIAL MATH FOR THERMODYNAMICS - 2.0 credits

This course provides the skills to calculate pressure and temperature ratios, superheat zones, heat loss, refrigerant load requirements and operational cost.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K165	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 22 Enrolled / 18 Seats Available	

## APPLIED MATHEMATICS

### AMATH190 - FINANCIAL ALGEBRA - 5.0 credits

This course applies intermediate algebra to personal finance. Mathematical concepts will include linear, quadratic, exponential, logarithmic, and piecewise defined functions; graphing; distributions; measures for center; and spread of distributions. Financial concepts include income, taxes, discounts, simple and compound interest, buying on credit, depreciation, expenses, budgeting, annuities, stocks and bonds, and planning for retirement.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G432	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ROTH A	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 23 Enrolled / 3 Seats Available	
G503	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 5 Seats Available	
G513	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 18 Enrolled / 8 Seats Available	
N446	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	WALL S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 24 Enrolled / 1 Seats Available	
G306	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	TRAN V	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 4 Seats Available	
G434	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	TRAN V	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 20 Enrolled / 6 Seats Available	

## APPLIED MATHEMATICS

### AMATH193 - BRIDGE TO PRECALCULUS - 3.0 credits

This course covers intermediate algebra topics necessary for success in precalculus and beyond. Students study polynomials and functions (quadratic, rational, exponential, and logarithmic). PREREQUISITE(S): Completion of AMATH 190 with a 2.0 or higher, or placement by assessment.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G359	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	
G313	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 16 Enrolled / 10 Seats Available	

## AUTO/FORD ASSET

### FAS 101 - SAFETY AND ENVIRONMENTAL ISSUES - 2.0 credits

This course prepares students in the proper safety procedures and usage of shop equipment and chemicals, as well as identification, handling, storage, and disposal of hazardous automotive waste products through web-based, classroom and lab instruction.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	K121	Sep 21 - Dec 10	HYBRID	THOMPSON B	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 15 Enrolled / 7 Seats Available	

## AUTO/FORD ASSET

### FAS 112 - BASIC SHOP SKILLS - 1.0 credits

This course prepares students in basic shop skills such as: using hand tools, measuring devices, automotive shop equipment, tire service, fastener application and basic welding operations. Students learn navigation of electronic service information and written publications.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	K121	Sep 21 - Dec 10	HYBRID	THOMPSON B	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 15 Enrolled / 7 Seats Available	

## AUTO/FORD ASSET

### FAS 115 - ELECTRICAL/ELECTRONIC SYSTEMS - 9.0 credits

This course prepares students for Ford Motor Company Service Technician Specialty Training certification in specialty 34 Automotive Electrical/Electronic System Repair





	DAILY	07:00A-12:30P	K104	Sep 21 - Dec 10	HYBRID	ERVIN S	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 14 Enrolled / 10 Seats Available	
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## AUTOBODY REPAIR

### ABDY 243 - AUTO DETAIL - 3.0 credits

Following the completion of repairs to assigned auto shop projects, students clean and detail various automobiles to industry standards. Training prepares students for certification in I-CAR Refinish Technician, ProLevel I.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-12:30P	K104	Sep 21 - Dec 10	HYBRID	ERVIN S	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 14 Enrolled / 10 Seats Available	

## AUTOMOTIVE TECH

### AUTC 101 - SAFETY/ENVIRONMENTAL ISSUES - 2.0 credits

Students learn proper safety procedures in an automotive shop environment to protect themselves, their co-workers, their customers and the environment through web-based, classroom, and hands-on lab instruction. Students are introduced to information literacy and the proper use of library resources and the Internet. Topics include: personal safety, proper use of shop equipment and tools, identification, handling, storage and disposal of hazardous automotive waste, worker Right to Know hazard communication, and the use and procurement of Material Safety Data Sheets.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	07:00A-01:30P	K111	Sep 21 - Dec 10	HYBRID	TAKATA W BAKER- SHERMA	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 16 Enrolled / 6 Seats Available	

## AUTOMOTIVE TECH

### AUTC 112 - MAINTENANCE AND LIGHT REPAIR - 7.0 credits

Students learn fundamental automotive shop operations and repair based on NATEF competencies through web-based, classroom, and hands-on lab instruction. Topics include: vehicle identification, the use of service information (publications, electronic media, and web-based), care of customer vehicles, handling repair orders, procuring parts, proper use of hand tools, measuring devices, and fastener applications. Students learn basic automotive service (oil change, transmission and cooling system service) diagnostic procedures, and basic mechanical adjustments. PREREQUISITE(S): Concurrent enrollment in AUTC 101 or Articulated MLR program.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	07:00A-01:30P	K111	Sep 21 - Dec 10	HYBRID	TAKATA W BAKER- SHERMA	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 17 Enrolled / 5 Seats Available	

## AUTOMOTIVE TECH

### AUTC 117 - ELECTRICAL SYSTEMS - 7.0 credits

Students learn electrical/electronic theory, application, diagnosis and repair based on NATEF competencies through web-based, classroom, and hands-on lab instruction. Topics include: batteries, starting systems, charging systems, lighting systems, accessories (gauges, warning devices, driver information systems, horns, and wipers), schematic diagrams, and the use of testing equipment. Concurrent enrollment in AUTC101 and AUTC 112.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	07:00A-01:30P	K111	Sep 21 - Dec 10	HYBRID	TAKATA W BAKER- SHERMA	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 17 Enrolled / 5 Seats Available	

## AUTOMOTIVE TECH

### AUTC 118 - BRAKES - 7.0 credits

Students learn brake and anti-lock system theory, application, diagnosis and repair based on NATEF competencies through web-based, classroom, and hands-on lab instruction in a live work environment. Topics include: hydraulic systems, drum brakes, disc brakes, power assist, wheel bearings, parking brakes, electrical systems, anti-lock brakes and traction control systems. Students prepare for ASE Certification test A-5. PREREQUISITE(S): AUTC 101, AUTC 112, AUTC 117.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTW Th	07:00A-01:30P 08:00A 10:00A	K133 ONLINE	Sep 21 - Dec 10	HYBRID	HOAGLIN R	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 13 Seats Available	Online portion of class meets via Zoom during time listed.

## AUTOMOTIVE TECH

### AUTC 132 - STEERING AND SUSPENSION - 7.0 credits

Students learn steering and suspension system theory, application, diagnosis and repair based on NATEF competencies through web-based, classroom and hands-on lab instruction in a live work environment. Topics include: steering systems, suspension systems, wheel alignment, wheels, and tires. Students prepare for ASE Certification test A-4. PREREQUISITE(S): AUTC 101, AUTC 112, AUTC 117.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTW Th	07:00A-01:30P 08:00A 10:00A	K133 ONLINE	Sep 21 - Dec 10	HYBRID	HOAGLIN R	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 13 Seats Available	Online portion of class meets via Zoom during time listed.

## AUTOMOTIVE TECH

### AUTC 171 - WRITTEN COMMUNICATIONS - 1.0 credits

Students learn the writing skills necessary in an automotive service environment including: describing repairs, repair procedures and repair suggestions on a repair order, developing a written repair estimate, requesting parts, timekeeping, the use of electronic data systems, completing job application, and preparing a resume.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	TAKATA W BAKER- SHERMA	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 17 Enrolled / 5 Seats Available	

## AUTOMOTIVE TECH

### AUTC 180 - HUMAN RELATIONS/CUSTOMER RELATIONS - 1.0 credits

Students learn to interview customers, determine needed automotive repairs, and prepare a complete repair order with clear terms and descriptions of needed repairs/services. Conflict resolution, employer/employee relationships, sexual harassment, and other workplace issues are covered.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HOAGLIN R BAKER- SHERMA	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 11 Enrolled / 11 Seats Available	

## AUTOMOTIVE TECH

### AUTC 204 - AUTOMATIC TRANSMISSION/TRANSAXLE REPAIR - 6.0 credits

Students learn automatic transmission/transaxle system theory, application, diagnosis and repair based on NATEF competencies through web-based, classroom and hands-on lab instruction in a live work environment. Topics include: maintenance and adjustment, in-vehicle repairs, and off-vehicle repairs. Students prepare for ASE Certification test A-2. PREREQUISITE(S): AUTC 101, AUTC 112, AUTC 117.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	07:00A-01:30P	K133	Sep 21 - Dec 10	HYBRID	URYASH D	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 14 Enrolled / 8 Seats Available	

## AUTOMOTIVE TECH

### AUTC 216 - ENGINE PERFORMANCE AND EMISSIONS - 10.0 credits

Students learn engine performance theory, application, and diagnosis of ignition, fuel, emissions and on-board diagnostic computer systems based on NATEF competencies through web-based, classroom and hands-on lab instruction in a live work environment. Topics include: engine diagnosis, computerized engine controls, ignition systems, fuel systems, air induction and exhaust systems, emissions controls and related systems. Students prepare for ASE Certification test A-8. PREREQUISITE(S): AUTC 101, AUTC 112, AUTC 117.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	07:00A-01:30P	K133	Sep 21 - Dec 10	HYBRID	URYASH D	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 15 Enrolled / 7 Seats Available	

## AUTOMOTIVE TECH

### AUTC 228 - ENGINE REPAIR AND SHOP COMPUTATIONS - 8.0 credits

Students learn engine theory, operation, application, diagnosis, disassembly, inspection, component measurement and reassembly based on NATEF competencies through web-based, classroom and hands-on lab instruction in a live work environment. Topics include: engine removal and reinstallation, cylinder head diagnosis and repair, engine block diagnosis and repair, lubrication systems, cooling systems, and timing components. The students also learn to perform computations related to engine displacement, horse power, torque, firing angle, and cam geometry. Students prepare for ASE Certification test A-1. PREREQUISITE(S): AUTC 101, AUTC 112, AUTC 117.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTW Th	07:00A-01:30P 08:00A 10:00A	K141 ONLINE	Sep 21 - Dec 10	HYBRID	FOBES M	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 16 Enrolled / 6 Seats Available	Online portion of class meets via Zoom during time listed.

## AUTOMOTIVE TECH

### AUTC 233 - MANUAL DRIVE TRAIN AND AXLES - 8.0 credits

Students learn manual transmission and drive train system theory, application, diagnosis and repair based on NATEF competencies through web-based, classroom and hands-on lab instruction in a live work environment. Topics include: clutches, manual transmission/transaxles, drive shafts, constant velocity joints, differentials, and four wheel/all-wheel drive systems. Students prepare for ASE Certification test A-3. PREREQUISITE(S): AUTC 101, AUTC 112, AUTC 117.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTW Th	07:00A-01:30P 08:00A 10:00A	K141 ONLINE	Sep 21 - Dec 10	HYBRID	FOBES M	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 14 Enrolled / 8 Seats Available	Online portion of class meets via Zoom during time listed.

## AVIATION

### AVIA 101 - AVIATION GROUND SCHOOL - PRIVATE PILOT - 5.0 credits

This 60 hour aviation pilot ground course offers guidance and training to help pass the required FAA written knowledge test, the first step required toward achieving a FAA Pilot License. Also a great course for those just interested in learning more about aviation as it relates associated flight operations. 1/2 hour of Motion Simulator time is also included! (Subject to CFI availability). In addition, it provides an excellent in depth review for returning pilots. Some elements covered are generic piston aircraft systems, aerodynamics, weather, navigation, airport & airspace operations, communications and Federal Air Regulations. Upon successful completion of the course a certificate will be provided allowing the student to take the actual FAA multiple choice written test. Includes all books and other items such a plotter and mechanical flight computer. Off campus site classroom is located at Renton Municipal Airport, allowing direct access to aircraft, associated support items and airport operations when needed.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
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S022	TTh	10:00A-01:00P	ONLINE	Sep 22 - Nov 26	ONLINE	STAFF	\$599.00 Per Course -STU FUND-TECH	Cancelled	
S024	TTh	05:00P-08:00P	ONLINE	Sep 22 - Nov 26	ONLINE	STAFF	\$599.00 Per Course -STU FUND-TECH	Cancelled	

#### BAND INSTR REPAIR

##### BIR 101 - INTRODUCTION TO BAND INSTRUMENT REPAIR - 1.0 credits

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	J222	Aug 31 - Nov 20	HYBRID	GANSKA J	\$20.00 Per Credit -SUPPLY FEE \$20/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 12 Enrolled / 8 Seats Available	

#### BAND INSTR REPAIR

##### BIR 102 - SHOP PRACTICES AND SAFETY FOR BIRT - 1.0 credits

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	J222	Aug 31 - Nov 20	HYBRID	GANSKA J	\$20.00 Per Credit -SUPPLY FEE \$20/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 12 Enrolled / 8 Seats Available	

#### BAND INSTR REPAIR

##### BIR 103 - BAND INSTRUMENT CLEANING AND SANITIZATION - 2.0 credits

Students learn proper cleaning techniques on instruments of the woodwind and brasswind families. This course includes instruction in the Texas-style flush, ultrasonic cleaning, and other techniques. Emphasis is placed on the safe storage, use and the proper disposal of chemicals used in the repair industry.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	J222	Aug 31 - Nov 20	HYBRID	GANSKA J	\$20.00 Per Credit -SUPPLY FEE \$20/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 12 Enrolled / 8 Seats Available	

#### BAND INSTR REPAIR

##### BIR 104 - SOLDERING AND BRAZING TECHNIQUES - 2.0 credits

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	J222	Aug 31 - Nov 20	HYBRID	GANSKA J	\$20.00 Per Credit -SUPPLY FEE \$20/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 12 Enrolled / 8 Seats Available	

#### BAND INSTR REPAIR

##### BIR 123 - WOODWIND PADDING TECHNIQUES - 4.0 credits

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	J222	Aug 31 - Nov 20	HYBRID	GANSKA J	\$20.00 Per Credit -SUPPLY FEE \$20/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 12 Enrolled / 8 Seats Available	

#### BAND INSTR REPAIR

##### BIR 185 - HUMAN RELATIONS FOR BAND INSTRUMENT REPAIR - 1.0 credits

Students learn concepts of employer-employee, employee-employer, and customer relations and negotiation considerations. Also covered are interpersonal relationship skills necessary to function as a productive member of a working team. Discussions of topics relating to cultural and gender-sensitive issues relate these issues to the work place.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	J222	Aug 31 - Nov 20	HYBRID	GANSKA J	\$20.00 Per Credit -SUPPLY FEE \$20/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 12 Enrolled / 8 Seats Available	

#### BAND INSTR REPAIR

##### BIR 191 - STRING INSTRUMENT REPAIR FOR THE BAND INSTR.TECH - 4.0 credits

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	J222	Aug 31 - Nov 20	HYBRID	LUU L GANSKA J	\$20.00 Per Credit -SUPPLY FEE \$20/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 12 Enrolled / 8 Seats Available	

#### BAND INSTR REPAIR

##### BIR 192 - MACHINING TOPICS FOR BAND INSTRUMENT REPAIR TECH - 4.0 credits

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-01:30P	J222	Aug 31 - Nov 20	HYBRID	GANSKA J	\$20.00 Per Credit -SUPPLY FEE \$20/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 12 Enrolled / 8 Seats Available	

#### BIOLOGY

##### BIOL 105 - INTRODUCTION TO ANATOMY AND PHYSIOLOGY - 5.0 credits

This course provides students with an introduction to the basic concepts of anatomy and physiology. It includes organization, classification and control of anatomical structures and an introduction to the major body systems. The course covers some medical terminology and introduces some concepts from chemistry and biochemistry. This course is intended for non-science majors or entry-level allied health majors. General education distribution area: Natural Science, with lab.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N434	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SZABO D	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 18 Enrolled / 7 Seats Available	

## BIOLOGY

### BIOL&100 - SURVEY OF BIOLOGY - 5.0 credits

This laboratory science class introduces students to important concepts in biology and how they apply to problems relevant to humans and society. Students will explore core concepts including cells, genetics, and evolution and will apply the process of science through experimentation. Not intended for pre-nursing students. General education distribution area: Natural Science, with lab.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G400	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	REDD S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 4 Seats Available	OER (no textbook to purchase)

## BIOLOGY

### BIOL&160 - GENERAL BIOLOGY - 5.0 credits

Students explore the basic biological principles that describe and explain the nature of life. Topics include cell biology, molecular biology (including basic biochemistry and DNA structure and function), metabolism, and genetics. Students practice skills in both the classroom and laboratory through formats such as group exercises, laboratory activities, quizzes and exams. General education distribution area: Natural Science, with lab.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G524	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	XIE F	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 18 Enrolled / 7 Seats Available ; Waitlist / 2 Students on Waitlist	
G542	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	REDD S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 3 Seats Available ; Waitlist / 2 Students on Waitlist	
N460	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SZABO D	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 18 Enrolled / 7 Seats Available ; Waitlist / 4 Students on Waitlist	
N498	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SZABO D	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 3 Seats Available ; Waitlist / 2 Students on Waitlist	

## BIOLOGY

### BIOL&241 - HUMAN ANATOMY AND PHYSIOLOGY I - 5.0 credits

This is the first of two classes designed for students who want to enter professional health care programs. It is a study of gross anatomy and functioning of the human body. Covers body organization, cellular structure and function, fundamentals of chemistry and the physiology, structure and function of all the body systems. Lab includes microscopic tissue studies, dissection, work with ADAM software, and physiology projects related to the system studied. General education distribution area: Natural Science, with lab. PREREQUISITE(S): Completion of BIOL& 160, General Biology, with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N440	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	STOVER C	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 20 Enrolled / 5 Seats Available ; Waitlist / 3 Students on Waitlist	
G506	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	XIE F	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 4 Seats Available	
N452	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	STOVER C	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 15 Enrolled / 10 Seats Available	

## BIOLOGY

### BIOL&242 - HUMAN ANATOMY AND PHYSIOLOGY II - 5.0 credits

This is the second of two classes designed for students who want to enter professional health care programs. It is a study of gross anatomy and functioning of the human body. Covers body organization, cellular structure and function, fundamentals of chemistry and the physiology, structure and function of all the body systems. Lab includes microscopic tissue studies, dissection, work with ADAM software, and physiology projects related to the system studied. General education distribution area: Natural Science, with lab. PREREQUISITE(S): Completion of BIOL& 241, Anatomy & Physiology I, with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N442	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	STOVER C	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 3 Seats Available ; Waitlist / 1 Students on Waitlist	
G516	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	BABEL S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 24 Enrolled / 1 Seats Available ; Waitlist / 2 Students on Waitlist	

## BIOLOGY

### BIOL&260 - MICROBIOLOGY - 5.0 credits

Microbiology is a comprehensive course introducing classification, structure, and function of microbes. Focus includes disease-causing bacteria, viruses, protozoa, and fungi. The role of these microorganisms in nature, environmental impact, and health applications are covered. Laboratory is an integral component, which includes training on microscope, slide prep, aseptic technique transfer/inoculation of bacteria, and use of various media to select, isolate, and characterize organisms. General education distribution area: Natural Science, with lab. PREREQUISITE(S): Completion of BIOL& 160, General Biology, with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N428	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	BABEL S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 3 Seats Available ; Waitlist / 2 Students on Waitlist	
G848	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	REDD S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 19 Enrolled / 6 Seats Available	
							\$12.00 Per Course -ONLINE ELEARNING FEE		



N496	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	BABEL S	1200.00 Per Course -ONLINE ELEARNING FEE	Full ; Waitlist / 3 Students on Waitlist	
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## BOILER OPERATOR

### BLRS 110 - BOILER OPERATOR LICENSING CLASS 3 & 4 - 8.0 credits

Students review boiler and pressure vessel construction and operation of steam and hot water heating plants and systems, including moderate size high-pressure boilers. This class is the first step in preparing individuals for a third or fourth grade license examination with the City of Seattle and the Tacoma Steam Advisory Certification Board. To qualify for license examination, eighty hours of observation time is also required. The eighty hours can be either observation on a job site or completion of BLRS 111, Boiler Operator Lab. For up-to-the-minute license exam information and changes, contact the City of Seattle or the City of Tacoma. Textbook required.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
Q209	TTh TTh	05:00P-09:00P 05:00P 09:00P	J115 J113	Sep 22 - Dec 3	HYBRID	JACKSON J	\$999.00 Per Course -STU FUND-T&I	Open 19 Enrolled / 1 Seats Available	Class will meet in-person on 10/27,10/29, 11/3, 11/5.

## BOILER OPERATOR

### BLRS 210 - BOILER OPERATOR REFRESHER COURSE - .0 credits

The purpose of this refresher training is to ensure the safe operation of boilers and accessories with a review of the following areas: codes and regulations, safety, operation of boilers and new technology. A Certificate of Award is issued upon successful completion of this class as proof to the City of Seattle and the Tacoma Steam Advisory Certification Board for renewal of your boiler operator's license.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
Q215	MW	05:00P-09:00P	ONLINE	Nov 16 - Nov 18	ONLINE	JACKSON J	\$149.00 Per Course -STU FUND-T&I	Open 13 Enrolled / 2 Seats Available	
Q212	MW	05:00P-09:00P	ONLINE	Dec 7 - Dec 9	ONLINE	JACKSON J	\$149.00 Per Course -STU FUND-T&I	Open 14 Enrolled / 1 Seats Available	

## BUSINESS

### BUS& 101 - INTRODUCTION TO BUSINESS - 5.0 credits

Students learn the foundations of the contemporary world of business. The free enterprise system, types of business ownership, marketing, financing, TQM and ethics and social responsibilities of business are some of the topics covered in this course.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
B203	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MCKINNON S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 35 Enrolled / 5 Seats Available	

## CENTRAL SERVICE TECH

### CST 100 - CENTRAL SERVICE TECHNICIAN FUNDAMENTALS - 8.0 credits

The student learns the role and responsibilities of a Central Service Technician including regulations and standards, surgical instrumentation, cleaning and decontaminations, disinfection, sterilization, packaging and storing. Students demonstrate knowledge of legal issues, HIPAA, safety precautions/preventions. Student must model professional appearance, value diversity in the workplace and possess the ability to communicate effectively and professionally with patients and staff. Students demonstrate knowledge of quality assurance and quality control and adhere to policies and procedures used in the clinical setting.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	KNOX A	\$14.62 Per Year -MED MAL & GEN LIAB INS ; \$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	

## CENTRAL SERVICE TECH

### CST 102 - HEALTHCARE PROVIDER FIRST AID/CPR,AED&BLOODBORNE - 2.0 credits

This course covers one and two person, adult, child and infant CPR. Students practice caring for a person with foreign body airway obstruction (FBAO), personal barriers techniques and use of Automated External Defibrillator (AED). The course teaches to effectively recognize and treat in critical minutes until Emergency Medical Services (EMS) arrive. Topics include: general first aid principles, medical, injury and environmental emergencies, and blood borne pathogens. This course is approved by OSHA, WISHA (Labor and Industries) for healthcare providers. An AHA card will be issued upon the successful completion of a written exam and skills evaluation. In addition, the mandatory seven hours of HIV/AIDS education for healthcare providers is included.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
			B202	Sep 21 - Dec 10	FACE-TO-FACE	KNOX A	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	

## CENTRAL SERVICE TECH

### CST 104 - CENTRAL SERVICE BASIC SCIENCES - 3.0 credits

Course covers the basic principles of microbiology, human anatomy and medical terminology and how it pertains to infection control and communication in sterile processing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	KNOX A	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	

## CENTRAL SERVICE TECH

### CST 105 - CENTRAL SERVICE TECHNICIAN SKILLS LABORATORY - 3.0 credits

Students are introduced to and perform some of the basic hands-on tasks required of a Central Service Technician. This includes the wrapping of items for sterilization, learning both envelope and sequential folding styles, and proper methods for heat sealing sterilization techniques. Students are expected to identify a minimum of 100 instruments and assemble into surgical trays. Students are given an overview of the proper handling and processing of endoscopes.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	W	08:00A-02:30P	J203	Sep 21 - Dec 10	FACE-TO-FACE	KNOX A	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	

## CHEMISTRY

### CHEM&121 - INTRODUCTION TO CHEMISTRY - 5.0 credits

This introductory course discusses the basic concepts in general and inorganic chemistry. It is designed to prepare students for coursework in health sciences or more advanced scientific coursework by laying the foundation of the most 'elemental' science - chemistry. Topics covered range from the nature of atoms to chemical reactions and include homework, laboratories, exams, and group exercises. General education distribution area: Natural Science, with lab. PREREQUISITE(S): Placement into MATH 095; or completion of MATH 085, MATH 092, AMATH 185, or AMATH 190 with a 2.0 or higher; or completion of AMATH 175 with a 3.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G522	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	BABEL S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 3 Seats Available ; Waitlist / 4 Students on Waitlist	
N400	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	BABEL S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 24 Enrolled / 1 Seats Available ; Waitlist / 1 Students on Waitlist	

## COMMERCIAL BLDG ENG

### CBE 150 - HAZARDOUS WASTE MANAGEMENT - 3.0 credits

This course provides a study of handler's duties and responsibilities, record keeping requirements and proper handling, storage and disposal procedures of hazardous waste found in the typical commercial and industrial field. Interpretation of the regulations, employer responsibility, and contractor surveillance for the most common hazardous waste encountered by building and plant maintenance workers will be covered.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HUDSON E	\$12.00 Per Course -ONLINE ELEARNING FEE	Permission Code Needed	
	ARRANGED	ARR-ARR	ONLINE	Nov 2 - Dec 9	ONLINE	COOK J	\$12.00 Per Course -ONLINE ELEARNING FEE	Permission Code Needed	

## COMMERCIAL BLDG ENG

### CBE 180 - HUMAN RELATIONS AND LEADERSHIP SKILLS - 2.0 credits

This course helps students increase their self-awareness and leadership skills to get along with co-workers, employers, and clients in the industrial and commercial maintenance field.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HUDSON E	\$12.00 Per Course -ONLINE ELEARNING FEE	Permission Code Needed	

## COMMERCIAL BLDG ENG

### CBE 190 - LEED GREEN BUILDING - 4.0 credits

This course is an overview of the Leadership in Energy and Environmental Design (LEED) Green Building system for the design, construction and operation of high performance green buildings. Specifically, it addresses exterior building site maintenance program; water and energy use; environmentally preferred products for cleaning and alterations; waste stream management; and ongoing indoor environmental quality.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Oct 28	ONLINE	COOK J	\$12.00 Per Course -ONLINE ELEARNING FEE	Permission Code Needed	
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HUDSON E	\$12.00 Per Course -ONLINE ELEARNING FEE	Permission Code Needed	

## COMMERCIAL BLDG ENG

### CBE 206 - AIR AND WATER BALANCING AND LAB - 6.0 credits

This course covers air and water balancing theory for HVAC systems as found in commercial buildings. The interaction of the electrical, control, and HVAC systems are included along with the interpretation of air and water balance reports related to mechanical blueprints.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	T TTh	ARR-ARR ARR ARR	E415 ONLINE	Sep 21 - Dec 10	HYBRID	HUDSON E	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed	
	TTh	05:00P-08:30P	E415	Sep 21 - Dec 10	HYBRID	STAFF	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	

## COMMERCIAL BLDG ENG

### CBE 212 - PROGRAMMABLE LOGIC CONTROLS I - 4.0 credits

Introduction to programmable logic controllers for industrial control and direct digital controls for industrial automation. Participants will gain an understanding of terminology, components, programming, interfacing and operation of PLC controls, and be introduced to DDC components, functions, and operation in building automation and energy management. Students will learn systems to study software programming, architectures, ladder logic, I/O modules, basic numbering systems, computer terminology, and industrial communication.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HUDSON E	\$12.00 Per Course -ONLINE ELEARNING FEE	Permission Code Needed	

## COMMUNICATIONS

### CMST&101 - INTRODUCTION TO COMMUNICATION - 5.0 credits

In this course students study the fundamentals of the communication process and apply them to personal and workplace relationships. Emphasis is on applying communication theory to interviewing, small group communications and public speaking. Students are required to prepare and give oral presentations. General education distribution area: Humanities.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
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Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	W	06:00P-08:30P	ONLINE	Sep 21 - Dec 10	ONLINE	RUBIN Z	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 17 Enrolled / 7 Seats Available	Class meets via Zoom during time listed.

## COMPUTER NETWORK ARC

### CNA 480 - VIRTUAL INFRASTRUCTURE SECURITY - 5.0 credits

This course introduces students to modern security policies and their associated challenges. Students will design infrastructure solutions that meet common compliance requirements. Students will balance various security strategies including authentication, access control, encryption, and network segmentation. Students will participate in wargame exercises to practice common attacks and defense strategies. PREREQUISITE(S): CNA 421 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	Th	06:00P-08:30P	ONLINE	Sep 21 - Dec 10	ONLINE	RUBIN Z	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 17 Enrolled / 7 Seats Available	Class meets via Zoom during time listed.

## COMPUTER NETWORK TEC

### CNT 156 - COMPTIA A+ CORE I - 5.0 credits

Students with little or no IT background will learn computer technology and computer troubleshooting in this first preparation course for the CompTIA A+ 220-1001 industry certification exam. This certification, which is one of two exams that help you establish an IT career, includes PC maintenance, networking, mobile devices, laptops, operating systems, printers, security and troubleshooting techniques. Students will cover these topics in detail.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	12:00P-01:30P	ONLINE	Sep 21 - Dec 10	ONLINE	TARVIN L OLSON H	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Full	Class meets via Zoom during time listed.
	MTWTh	08:00A-09:30A	ONLINE	Sep 21 - Dec 10	ONLINE	TARVIN L OLSON H	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Full	Class meets via Zoom during time listed.

## COMPUTER NETWORK TEC

### CNT 160 - COMPTIA A+ CORE II - 5.0 credits

This class builds on the knowledge and skills content from CNT 156. Topics include PC maintenance, networking, mobile devices, laptops, operating systems, printers, security and troubleshooting techniques. This course will prepare students for CompTIA's A+ 220-1002 exam. PREREQUISITE(S): CNT 156.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	10:00A-11:30A	ONLINE	Sep 21 - Dec 10	ONLINE	TARVIN L OLSON H	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 12 Enrolled / 12 Seats Available	Class meets via Zoom during time listed.

## COMPUTER NETWORK TEC

### CNT 240 - ROUTING AND SWITCHING I - 5.0 credits

The course provides the foundational knowledge of network layers 1-3 applicable to core routing and switching and introduces advanced technologies. Topics include the interactions and network functions of firewalls, wireless controllers and access points, along with additional focus on IPv6 and basic network security. This course prepares students for Cisco ICND1 (100-105), Cisco ICND2 (200-105), and the Cisco CCNA composite exam (200-125).

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	08:00A-09:30A	ONLINE	Sep 21 - Dec 10	ONLINE	SANDERSON B	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 10 Enrolled / 14 Seats Available	Class meets via Zoom during time listed.

## COMPUTER NETWORK TEC

### CNT 250 - ROUTING AND SWITCHING II - 5.0 credits

The course provides the knowledge and skills needed to install, configure, operate, and troubleshoot a small enterprise network. Key topics include QoS elements, virtualized and cloud services, along with controller types and tools that are available to support software defined network architectures. This course prepares student for the Cisco ICND1 (100-105), Cisco ICND2 (200-105), and the Cisco CCNA composite exam (200-125).

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	11:00A-01:00P	ONLINE	Sep 21 - Dec 10	ONLINE	DAY C	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 11 Enrolled / 13 Seats Available	Class meets via Zoom during time listed.

## COMPUTER NETWORK TEC

### CNT 254 - NETWORK INFRASTRUCTURE - 5.0 credits

This course focuses on installation, storage, and OS features and functionality available in Windows Server 2016. Special emphasis is placed on deployment and configuration of physical network infrastructure and introduction to virtual networks with Hyper-V. Students prepare for TestOut's Server Pro 2016 exam and Microsoft's Installation, Storage, and Compute with Windows Server 2016 certification exam (70-740).

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	08:00A-09:30A	ONLINE	Sep 21 - Dec 10	ONLINE	SANDERSON B	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 11 Enrolled / 13 Seats Available	Class meets via Zoom during time listed.

## COMPUTER NETWORK TEC

### CNT 256 - AWS CLOUD FOUNDATIONS - 5.0 credits

This course introduces cloud computing concepts and fundamentals. It is focused on AWS services so that you can make informed decisions about IT solutions based on business requirements. The course also prepares students for the AWS Certified Cloud Practitioner (CCP) exam.



Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	10:00A-11:30A	J104	Sep 21 - Dec 10	HYBRID	SANDERSON B	\$25.00 Per Course -LAB FEE ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	
	MW	12:00P-01:30P	ONLINE	Sep 21 - Dec 10	ONLINE	SANDERSON B	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 17 Enrolled / 7 Seats Available	Class meets via Zoom during time listed.

## COMPUTER NETWORK TEC

### CNT 259 - SECURE ENTERPRISE NETWORKS - 5.0 credits

This course emphasizes planning, deployment and maintenance of enterprise networks. Students work with Linux and Windows-based networks to appropriately scale networks to meet industry demands. The course has a heavy emphasis on security: firewall essentials and configuration steps for security, networking, threat prevention, logging, and reporting features. This course prepares students for the Palo Alto Networks Installation, Configuration, and Management (PAN-EDU-201) exam.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	01:30P-03:00P	J102	Sep 21 - Dec 10	HYBRID	DAY C	\$25.00 Per Course -LAB FEE ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	
	MW	09:00A-11:00A	ONLINE	Sep 21 - Dec 10	ONLINE	DAY C	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 18 Enrolled / 6 Seats Available	Class meets via Zoom during time listed.

## COMPUTER NETWORK TEC

### CNT 263 - COMPTIA LINUX+ - 5.0 credits

This course provides introductory and advanced coverage of Linux systems administration. It is designed to help students successfully pass CompTIA's Linux+ Certification exam. The course covers the Red Hat ES4 release and equips students with the information necessary to remain current with industry changes.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	10:00A-11:30A	ONLINE	Sep 21 - Dec 10	ONLINE	TARVIN L	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 12 Enrolled / 12 Seats Available	Class meets via Zoom during time listed.

## COMPUTER NETWORK TEC

### CNT 290 - NEXT LEVEL NETWORKING TOPICS - 5.0 credits

This is a special topics class in computer networking. Students gain familiarity with topics such as additional network operating systems, VMware ESXi/Vsphere, software-designed networks, cloud computing, and co-location and network migration. Students complete assignments using both physical and virtual hands-on labs. The course serves as a familiarization experience for the BAS in Network Architecture.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	12:00P-01:30P	J104	Sep 21 - Dec 10	HYBRID	SANDERSON B	\$25.00 Per Course -LAB FEE ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	
	TTh	12:00P-01:30P	ONLINE	Sep 21 - Dec 10	ONLINE	SANDERSON B	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 17 Enrolled / 7 Seats Available	Class meets via Zoom during time listed.

## COMPUTER SCIENCE

### CSI 120 - COMPUTER PROGRAMMING I - 5.0 credits

This course introduces the basics of computer programming and problem solving. Students will develop skills in designing and writing simple computer programs in an integrated programming environment (IDE). Topics include flowchart concepts, language syntax, data types and operators, methods, control structures such as conditionals and loops, and arrays.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	11:00A-12:00P	ONLINE	Sep 21 - Dec 10	ONLINE	ZERROUKI L	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Full	Class meets via Zoom during time listed.
	TTh	10:00A-01:00P	ONLINE	Sep 21 - Dec 10	ONLINE	DAY C	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Full	Class meets via Zoom during time listed.

## COMPUTER SCIENCE

### CSI 122 - COMPUTER PROGRAMMING II - 5.0 credits

Students write creative programs demonstrating skill in structured design and code, using decision and iteration structures, as well as effective documentation. Students learn to write event-driven applications using forms, controls, properties and methods. PREREQUISITE(S): CSI 120.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	08:00A-09:00A	ONLINE	Sep 21 - Dec 10	ONLINE	JANG Y	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 8 Enrolled / 16 Seats Available	Class meets via Zoom during time listed.

## COMPUTER SCIENCE

### CSI 124 - COMPUTER PROGRAMMING III - 5.0 credits

Students are introduced to the concepts of object-oriented programming. Students learn to write applications using structures, classes, interfaces, inheritance and polymorphism. In addition, students learn to use and create delegates, events, collections, exceptions, dynamic link libraries and input/output streams to build real-world applications. PREREQUISITE(S): CSI 122.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	09:00A-10:00A	ONLINE	Sep 21 - Dec 10	ONLINE	JANG Y	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 8 Enrolled / 16 Seats Available	Class meets via Zoom during time listed.

COMPUTER SCIENCE

**CSI 130 - DATABASE DESIGN - 5.0 credits**

This is an introductory course for the student with little or no experience designing and building relational databases. The students learn the basics of relational database theory and rules of normalization, and how to incorporate business requirements into the design for a database. They also learn how to use a program or language such as Structured Query Language (SQL) to create basic database objects and to manipulate data.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTWTh	09:00A-10:00A	ONLINE	Sep 21 - Dec 10	ONLINE	GILL D	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 6 Enrolled / 18 Seats Available	Class meets via Zoom during time listed.

COMPUTER SCIENCE

**CSI 140 - FRONT-END WEB DEVELOPMENT - 5.0 credits**

Students will learn the basic elements defined in the HTML language to initially build simple web pages and forms, then adding semantics, structures, and more sophisticated forms using HTML5 elements. In the second part of this course, students will add styles to their web pages and forms using Cascading Style Sheets (CSS). In the final project, students should be able to design quality web pages as rated by professionals.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	10:30A-11:30A	ONLINE	Sep 21 - Dec 10	ONLINE	GILL D	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 7 Enrolled / 17 Seats Available	Class meets via Zoom during time listed.

COMPUTER SCIENCE

**CSI 226 - COMPUTER PROGRAMMING IV - 5.0 credits**

In this advanced programming course, students continue refining their coding skills in topics such as polymorphism, encapsulation, asynchronous programming, multi-threaded applications, and distributed applications. PREREQUISITE(S): CSI 124.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	09:00A-10:30A	ONLINE	Sep 21 - Dec 10	ONLINE	ZERROUKI L	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 12 Enrolled / 12 Seats Available	Class meets via Zoom during time listed.

COMPUTER SCIENCE

**CSI 234 - APPLIED DATABASE DEVELOPMENT - 5.0 credits**

This course is designed for the student who is already familiar with basic relational database theory. The focus of this course is databases in the n-tier client/server development model. Students learn and utilize more advanced program or language topics, such as enterprise-level objects, views, stored procedures, functions, indexes, constraints, transaction handling, and triggers in event-driven database applications. Additionally, the class covers best practices in administration, user management and security, including effective planning for updates, backup, and disaster recovery. PREREQUISITE(S): CSI 130.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	11:00A-12:30P	ONLINE	Sep 21 - Dec 10	ONLINE	GILL D	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 16 Enrolled / 8 Seats Available	Class meets via Zoom during time listed.

COMPUTER SCIENCE

**CSI 242 - CLIENT-SIDE SCRIPTING - 5.0 credits**

Students build their front-end web development skills by creating dynamic web pages with user-friendly structure, graphics, and animations. Emphasis is placed on event handlings, style properties, and content manipulation (filters, patterns, elements, detection or creation of events) using scripting tools such as Javascript and jQuery. PREREQUISITE(S): CSI 140.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	10:30A-12:00P	ONLINE	Sep 21 - Dec 10	ONLINE	JANG Y	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 8 Enrolled / 16 Seats Available	Class meets via Zoom during time listed.

COMPUTER SCIENCE

**CSI 250 - RICH INTERNET APPLICATIONS - 5.0 credits**

This course introduces the technologies of a rich internet application. Topics may include JavaScript frameworks such as AngularJS, Node.js, AJAX, and the data-interchange format such as JSON, as well as the ASP.NET MVC framework. PREREQUISITE(S): CSI 242.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	10:00A-11:00A	ONLINE	Sep 21 - Dec 10	ONLINE	HERNANDEZ C SCHARLAU T	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 10 Enrolled / 14 Seats Available	Class meets via Zoom during time listed.

COMPUTER SCIENCE

**CSI 260 - INTRODUCTION TO DATA STRUCTURES AND ALGORITHMS - 5.0 credits**

This course provides an introduction to mathematical modeling of computational problems. It covers the common algorithms, algorithmic paradigms, and data structures used to solve these problems. The course emphasizes the relationship between algorithms and programming, and introduces basic performance measures and analysis techniques for these problems. PREREQUISITE(S): CSI 226.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	09:00A-10:30A	ONLINE	Sep 21 - Dec 10	ONLINE	ZERROUKI L	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 9 Enrolled / 15 Seats Available	Class meets via Zoom during time listed.

COMPUTER SCIENCE



## COMPUTER SCIENCE

**CSI 293 - CAPSTONE DESIGN AND DEVELOPMENT PROJECT - 5.0 credits**

A comprehensive project, conceived by the student and approved by instructors, demonstrates the capability to integrate the major academic areas of communications, systems analysis and program development. Students are required to conceptualize, design, code, and test a web-based programming project of their own creation. The project must utilize a database, graphics, user-friendly interfaces, and full written internal and external documentation. Students work with instructors on all pre-approved phases of the project. This project is mandatory for all students not on full-time cooperative/internship education.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	08:00A-09:00A	ONLINE	Sep 21 - Dec 10	ONLINE	ZERROUKI L	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 7 Enrolled / 17 Seats Available	Class meets via Zoom during time listed.

## COMPUTER SCIENCE

**CSI 294 - COOPERATIVE EDUCATION/INTERNSHIP - 10.0 credits**

This course provides the option of cooperative/internship training in Computer Science, within the prescribed hours of the student's program of study. Instructor approval is required, and the experience can be either paid or unpaid. (Hours to 330 and credits up to 10.)

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ZERROUKI L	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 7 Enrolled / 17 Seats Available	Permission Code Needed

## COMPUTER SCIENCE

**CSI 330 - SOFTWARE ENGINEERING - 5.0 credits**

Students will learn in project teams how to implement industry best-practice methods and tools for the systems development life cycle (SDLC) to identify and confirm business requirements, propose solutions, develop technical specifications usable in the design process, and communicate effectively to management, customers, and software developers. Object-oriented analysis/design, Agile software development methodologies and DevOps will be emphasized.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	Th	06:30P-09:00P	ONLINE	Sep 21 - Dec 10	ONLINE	FRIGON S	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 2 Seats Available	Class meets via Zoom during time listed.

## COMPUTER SCIENCE

**CSI 335 - DISCRETE MATH - 5.0 credits**

Students will learn traditional discrete mathematical concepts such as logic, sets, relations, functions, function growth rates, induction, permutations, combinatorics, probability, matrices, trees and graphs. In addition, practical programming on these concepts will be emphasized with focus on how these concepts are useful in computer science.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 2 Seats Available	

## COMPUTER SCIENCE

**CSI 460 - MOBILE APPLICATION DEVELOPMENT II - 5.0 credits**

In Mobile Application Development II, focus will be on leveraging various Android tools for threading, services, networking, Web APIs, multimedia, telephony, multi-touch, and hardware sensors. This course also includes more on database and content providers. PREREQUISITE(S): CSI 360 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	Th	06:30P-09:00P	ONLINE	Sep 21 - Dec 10	ONLINE	ZERROUKI L	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 3 Seats Available	Class meets via Zoom during time listed.

## COMPUTER SCIENCE

**CSI 470 - DATA MINING - 5.0 credits**

Searching for patterns in related data is essential for businesses to understand what data is relevant to their enterprise. Students will learn to extract patterns mining in business data by programming various algorithms in classification, clustering and association. PREREQUISITE(S): CSI 345 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	T	06:30P-09:00P	ONLINE	Sep 21 - Dec 10	ONLINE	FRIGON S	\$25.00 Per Course -LAB FEE ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 3 Seats Available	Class meets via Zoom during time listed.

## CONSTRUCTION MGMT

**CONST101 - INTRODUCTION TO CONSTRUCTION AND ARCHITECTURE - 2.0 credits**

An overview of construction markets, factors driving investment in building, role of design, and career pathways in construction. Includes terminology and business practices: estimating, bidding, scheduling, and project management.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PULLIAM J	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 19 Enrolled / 5 Seats Available	

## CONSTRUCTION MGMT

**CONST103 - INTRODUCTION TO COMPUTERS - 2.0 credits**

This 2-credit module prepares students to utilize word & spreadsheet processing features to increase the functionality of their documents in a project management environment. Students will learn to create electronic documents and format tables. Students will learn to utilize advanced features of the spreadsheet processing package,

working with formulas and functions, creating macros, and preparing worksheets with a focus on construction math breakouts and calculations.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HANSON G	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 10 Enrolled / 14 Seats Available	

#### CONSTRUCTION MGMT

##### CONST140 - CONSTRUCTION PLAN READING - 3.0 credits

Learn to read and interpret a variety of construction plan drawings. Overview includes schedules, views, symbols, and stylistic conventions for the construction industry. PREREQUISITE(S): Completion of MATH 075 or AMATH 175 with a 2.0 or higher, or equivalent placement.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PULLIAM J	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 18 Enrolled / 6 Seats Available	

#### CONSTRUCTION MGMT

##### CONST160 - MATERIALS, METHODS & EQUIPMENT - 3.0 credits

Influence of design constraints, material choices, and options for methods of installation and construction. Includes commonly used building techniques for steel, wood, masonry, and concrete as well as an overview of construction tools and equipment. Includes introduction to sustainability practices.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PULLIAM J	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 19 Enrolled / 5 Seats Available	

#### CONSTRUCTION MGMT

##### CONST202 - QUANTITY SURVEY AND ESTIMATING - 4.0 credits

Learn how to estimate material, labor, and other costs for construction projects. PREREQUISITE(S): CONST 140, CONST 160; strongly recommend CONST 103.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PULLIAM J	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 13 Enrolled / 11 Seats Available	

#### CONSTRUCTION MGMT

##### CONST250 - PROJECT SAFETY AND ACCIDENT PREVENTION - 4.0 credits

Learn to implement company safety plans and procedures. Topics covered include identifying and minimizing job hazards, complying with WISHA and OSHA requirements, and understanding and developing a safety communications plan in addressing the risk of unsafe conditions on a construction jobsite. Students have the option to earn the OSHA 30 card in this course.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	NGIAM K	\$12.00 Per Course -ONLINE ELEARNING FEE ; \$15.00 Per Credit -SUPPLY FEE \$15/CR	Cancelled	

#### CONSTRUCTION MGMT

##### CONST266 - ADVANCED TECHNOLOGY FOR CONSTRUCTION I - 2.0 credits

A study of the use of construction management information tools and systems used in the construction industry. Topics include building and formatting project documentation tools in support of project costs control and job performance. Build spreadsheets for cost estimating and bar chart schedules. Develop pivot tables for productivity and resource analysis. PREREQUISITE(S): keyboarding skills, familiarity with MS Windows, and CONST 103.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PULLIAM J	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	

#### CONSTRUCTION MGMT

##### CONST267 - ADVANCED TECHNOLOGY FOR CONSTRUCTION II - 2.0 credits

This class is an introduction to Microsoft Project. Create Gantt and PERT charts, resource sheets, and calendars. Learn to tailor your reports to the nature of the project. Develop a project plan that identifies tasks, organizes tasks into a schedule, assigns resources and manages budgets. PREREQUISITE(S): keyboarding skills, familiarity with MS Windows, and CONST 266.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PULLIAM J	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 4 Enrolled / 20 Seats Available	

#### DRAFTING-SUPPL

##### DFTS 112 - AUTOCAD LEVEL I & II - 6.0 credits

Students are introduced to the basics of engineering drafting and AutoCAD. Basic drawing commands, editing, dimensioning, and plotting are covered in this course. Requires a computer with a current version of AutoCAD. Class meets online at www.waol.org. RTC is a Premier Authorized Training Center for Autodesk, Inc.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
W664	ARRANGED	ARR-ARR	ONLINE	Sep 24 - Dec 10	ONLINE	LEPESKA A	\$749.00 Per Course -STU FUND-T&I	Cancelled	

#### DRAFTING-SUPPL

##### DFTS 118 - AUTOCAD LEVEL III - .0 credits

Customize AutoCAD to improve and optimize your system for peak performance as a designer or drafter. Learn to simplify keyboard input, write macros and simple LISP routines, and create template files. Learn to customize menus and AutoCAD functions for increased productivity, and importing and exporting other files. Text, notebook, and



disk required. Prerequisites: DFTS 116 or equivalent experience. RTC is a Premier Authorized Training Center for Autodesk, Inc.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
W634	ARRANGED	ARR-ARR	ONLINE	Sep 24 - Dec 10	ONLINE	LEPESKA A	\$359.00 Per Course -STU FUND-T&I	Cancelled	

## DRAFTING-SUPPL

### DFTS 140 - PROGRAMMING FOR AUTOCAD (VBA/LST) - .0 credits

This hands-on class focuses on VBA and ADO. The students use VBA to create and manipulate the AutoCAD database; also use ADO to connect the desktop databases to AutoCAD. Prerequisite: DFTS 118, AutoCAD-Level III, and some programming experience with Visual Basic. RTC is a Premier Authorized Training Center for Autodesk, Inc.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
W666	ARRANGED	ARR-ARR	ONLINE	Sep 24 - Dec 10	ONLINE	LEPESKA A	\$599.00 Per Course -STU FUND-T&I	Cancelled	

## E-LEARNING

### ELEA 111 - SHIFT: TEACHING ONLINE - .0 credits

This self-paced course is for any educator developing and/or teaching an online course. You can work through the modules at your own pace, and you will receive feedback on the creation of your online presence plan from the Director of Innovative Teaching and Learning, Dr. Liz Falconer. Completion of the course brings you a Certificate of Completion from Renton Technical College, and meets Department of Education standards for teaching online. It is worth 10 clock hours. Renton Technical College is a certified OSPI clock hour provider.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
W011	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	FALCONER E	\$75.00 Per Course -STU FUND-ELEARN	Open 1 Enrolled / 24 Seats Available	

## E-LEARNING

### ELEA 112 - SHIFT: TEACHING HYBRID COURSES - .0 credits

This self-paced course is for both current hybrid/blended learning instructors and those who are interested in learning more about the teaching of this format. You can work through the modules at your own pace, building a Hybrid Course Planner as you go. You will receive feedback on your completed Course Planner from the Director of Innovative Teaching and Learning, Dr. Liz Falconer, Quality Matters Master Reviewer. Completion of the course brings you a Certificate of Completion from Renton Technical College, and meets Department of Education standards for teaching online. It is worth 10 clock hours. Renton Technical College is a certified OSPI clock hour provider.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
W012	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	FALCONER E	\$75.00 Per Course -STU FUND-ELEARN	Open 1 Enrolled / 24 Seats Available	

## ECONOMICS

### ECON&201 - MICROECONOMICS - 5.0 credits

Microeconomic concepts are applied to problems involving scarcity, choice, competition, and cost. Examines the basic principles and models of microeconomics and their application to contemporary issues and problems including production, allocation, supply and demand analysis, elasticity, consumer choice, market structures, antitrust and regulation, and public microeconomics. General education distribution area: Social Science.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N500	M	06:30P-09:00P	ONLINE	Sep 21 - Dec 10	ONLINE	DEWITT C	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 19 Enrolled / 6 Seats Available	Class meets via Zoom during time listed.

## ELECTRICAL-SUPPL

### ELECS115 - BASIC ELECTRICITY (PLANT & MACHINE MAINT-ELECT 1 - 7.0 credits

Designed for plant and machine maintenance trainees. Basic electricity course covers the essential topics in AC circuits with emphasis on applications and troubleshooting. Instruction includes circuit and electrical theory. We will also have hands on labs. Ladder and control circuits are also taught. Textbook, digital volt meter and calculator are required.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
Q401	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 2	ONLINE	MEAKIN A		Cancelled	

## ELECTRICAL-SUPPL

### ELECS116 - PLANT & MACHINE MAINTENANCE - ELECTRICAL II - 7.0 credits

This theoretical course is designed for plant and machine maintenance trainees. Basic theory and application areas include continuation of theory on DC and AC circuits and introduction to complex AC circuits. Other areas covered are basic laws and formulae, resistive, inductive, and capacitive loads and calculations, power and power factor, self and mutual inductance, transformers, batteries, AC and DC generator/alternators, AC and DC motors, control circuits, test instruments, circuit diagrams, pilot devices, single and three phase circuits, maintenance issues, and safety. PREREQUISITE(S): Plant & Machine Maintenance-Electrical I or instructor approval. Textbook is required.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
Q402	ARRANGED	ARR-ARR	ONLINE	Sep 22 - Dec 1	ONLINE	MEAKIN A		Cancelled	No class on 11/26

## ELECTRICAL-SUPPL

### ELECS232 - BASIC HVAC AND REFRIGERATION SYSTEMS - 4.0 credits

Students learn the theory of mechanical refrigeration and its various applications. Course work helps prepare students for the City of Seattle Refrigeration Operator's License. It is suggested students also take ELECS 234. Textbook is required.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
Q412	ARRANGED	ARR-ARR	ONLINE	Sep 26 - Dec 5	ONLINE	AL-KINANI H		Cancelled	No class on 11/28

## ELECTRICAL-SUPPL

### ELECS234 - BASIC HVAC & REFRIGERATION ELECTRICAL SCHEMATICS - 4.0 credits

Students learn electrical components and wiring layouts commonly found in HVAC and refrigeration systems, and a practical foundation in electrical theory to aid in troubleshooting and diagnosis. Textbook is required. This course is approved by the Department of Labor and Industries' Electrical Section to satisfy 12 hours of continuing education for electricians (Industry Related) and 16 hours of basic classroom training for trainee card holders. It is suggested students also take ELECS 232.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
Q411	ARRANGED	ARR-ARR	ONLINE	Sep 26 - Dec 5	ONLINE	AL-KINANI H		Cancelled	No class on 11/28

## ENGINEER DESIGN TECH

### DFT 101 - INTRODUCTION TO DRAFTING - 3.0 credits

This course is an introduction to the drafter's role in industry. Course topics include the fundamentals of sketching and manual drafting such as linework and lettering, scales, geometric construction, dimensional layout lead grades and the use of related drafting tools. The course also covers industry standards for document control and archival of information, with instruction on using computer technology.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	11:00A-12:50P	J303	Sep 21 - Dec 10	FACE-TO-FACE	BIELL M	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 10 Enrolled / 12 Seats Available	Low-Cost Textbook (\$50 or less)

## ENGINEER DESIGN TECH

### DFT 106 - MECHANICAL DRAFTING AND DESIGN - 5.0 credits

In this course you will learn to create mechanical drawings that are used to communicate the design of engineered products. We will create mechanical drawings from 3D models that fully define, or deliver all the necessary information, of the product to be manufactured. We will also learn fundamentals of mechanical design, manufacturing, and measurement.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HORTMAN M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 17 Enrolled / 5 Seats Available	

## ENGINEER DESIGN TECH

### DFT 117 - INTRODUCTION TO BIM APPLICATIONS - 5.0 credits

This class provides an introduction to the use of Revit Architecture, including the production of floor, framing and site plans, elevations, sections, basic electrical, window and door schedules, perspectives, and cover pages. COREQUISITE(S): DFT 121.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	09:00A-10:50A	J303	Sep 21 - Dec 10	HYBRID	BIELL M	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 5 Enrolled / 17 Seats Available	OER (no textbook to purchase)

## ENGINEER DESIGN TECH

### DFT 121 - COMMERCIAL ARCHITECTURE - 5.0 credits

Students are instructed in architectural drafting including drafting techniques, floor, framing and site plans, elevations, sections, basic mechanical (electrical), schedules and specifications, and building codes. COREQUISITE(S): DFT 117.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	09:00A-10:50A	J303	Sep 21 - Dec 10	HYBRID	BIELL M	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 2 Enrolled / 20 Seats Available	

## ENGINEER DESIGN TECH

### DFT 122 - WORKING WITH AS-BUILTS - 3.0 credits

This course introduces the concept of implementing design changes to the Architects original design intent. Students are exposed to the initial record from which future system changes and/or additions can be designed. Significant attention will be on changes made in the field and updating the drawing (Red line) record for future use of the building as it relates to operations and maintenance as well as safety and sustainability. PREREQUISITE(S): DFT 113 or DFTS 112, with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	F	09:00A-01:00P	J303	Sep 21 - Dec 10	FACE-TO-FACE	BIELL M	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 14 Enrolled / 8 Seats Available	

## ENGINEER DESIGN TECH

### DFT 124 - MATERIALS IN MANUFACTURING AND CONSTRUCTION - 3.0 credits

In this course you will learn how commercial buildings are built: what methods and equipment are used as well as the various materials that are used in the commercial building construction process. You will see what materials and methods are good for which applications and see how manufacturing plays a huge role in building construction. You will know the ins and outs of building construction from the ground all the way up to the roofing finishes.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HORTMAN M	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	

## ENGINEER DESIGN TECH

### DFT 154 - SOFTWARE APPLICATIONS FOR DRAFTING - 2.0 credits

In this course, you will learn how simple programming interacts with engineering and design functions. Microsoft Excel is the most used application for creating and organizing metadata in engineering. We will learn Excel in depth and how to use it to solve relevant engineering problems.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
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Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HORTMAN M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 13 Enrolled / 9 Seats Available	OER (no textbook to purchase)

## ENGINEER DESIGN TECH

### DFT 201 - GEOMETRIC DIMENSIONING AND TOLERANCING - 3.0 credits

In this course, you will learn how mechanical products are controlled with tolerances to ensure that every part in a product works as it should. Geometric tolerances have shape and better match the design intent of products than traditional plus minus tolerancing. You will not only learn how to interpret geometric tolerances but how to apply them and design tolerance gauges from them. GD&T is difficult at first but makes product design so much simpler and easier when you get it!

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HORTMAN M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 1 Seats Available	OER (no textbook to purchase)

## ENGLISH

### ENGL&101 - ENGLISH COMPOSITION I - 5.0 credits

This college-level writing course develops a wide range of expository writing and critical-thinking skills, including audience awareness, persuasive purpose, independent editing, and resource and literacy analysis. Students incorporate composition ideas from primary experience and secondary sources. Students learn and demonstrate skills in integrating and documenting into their writing researched materials, according to an academically-recognized style, such as APA, Chicago, or MLA. Students revise drafts based on constructive comments offered by their peers and instructor. Upon successful completion of the course, students are able to write essays (of at least 1,000 words), demonstrating the conventions of standard written English. General education distribution area: Communication. PREREQUISITE(S): Completion of COMP 100 with a 2.0 or higher, or recommended placement from the directed self-placement test.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G538	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HUDSPETH J	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 4 Seats Available	
G142	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HIGGINS K	\$12.00 Per Course -ONLINE ELEARNING FEE	Full	
N464	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	WALSH S		Open 17 Enrolled / 8 Seats Available	
G158	Th	08:00A-10:20A	ONLINE	Sep 21 - Dec 10	ONLINE	WALSH S	\$12.00 Per Course -ONLINE ELEARNING FEE	Full	Class meets via Zoom during time listed. OER (no textbook to purchase).
G182	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HIGGINS K	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 24 Enrolled / 1 Seats Available	
G204	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HUDSPETH J	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 4 Seats Available	
N414	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	WALSH S	\$12.00 Per Course -ONLINE ELEARNING FEE	Full	OER (no textbook to purchase)
N416	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	WALSH S	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 24 Enrolled / 1 Seats Available ; Waitlist / 2 Students on Waitlist	OER (no textbook to purchase)

## ENGLISH

### ENGL&102 - COMPOSITION II - 5.0 credits

This course helps students develop ideas to guide research, to gather information from the library, internet, experts and other sources, and to judge the quality of the information. They learn to use ideas from a large number of sources as evidence in essays and longer research papers. General education distribution area: Communication. PREREQUISITE(S): Completion of ENGL& 101 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N516	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HIGGINS K	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 17 Enrolled / 8 Seats Available	
N402	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HUDSPETH J	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 24 Enrolled / 1 Seats Available ; Waitlist / 8 Students on Waitlist	

## ENGLISH

### ENGL&235 - TECHNICAL WRITING - 5.0 credits

This course focuses on various aspects of professional and technical writing. Students study user guides, reports, proposals and other forms of business correspondence in order to successfully write for the workplace. General education distribution area: Communication. PREREQUISITE(S): Completion of ENGL& 101 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N484	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HIGGINS K	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	

## GEOLOGY

### GEOL&101 - INTRODUCTION TO PHYSICAL GEOLOGY - 5.0 credits

Business people must understand the Earth. Earth scientists need some understanding of the business and methods of business as applied to environmental issues. Students

Examines geologic processes that shape the Earth. Emphasis is placed on understanding the language and methods of science as applied to our changing planet. Students develop critical thinking skills and apply them to regional geology. Topics include earthquakes, volcanism, glaciers, rivers, and structure of the Earth. May include field trips. Includes laboratory. General education distribution area: Natural Science, with lab.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N456	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	LEWICKI	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 3 Seats Available	
N457	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	LEWICKI	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	

## HISTORY

### HIST 110 - SURVEY OF AMERICAN HISTORY - 5.0 credits

This survey course examines the creation and evolution of the United States beginning with the histories of pre-contact native peoples and continuing through the present time. Through the exploration of key figures, eras and events, students develop historical thinking skills, draw conclusions from competing and contradictory sources, and recognize the role of perspective in historical documentation. General education distribution area: Social Science or Humanities.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G155	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	FOLDEN-SHORT	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 3 Seats Available	
N482	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	FOLDEN-SHORT	\$12.00 Per Course -ONLINE ELEARNING FEE	Full	
G156	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	FOLDEN-SHORT	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	
G157	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	FOLDEN-SHORT	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	

## HUMANITIES

### HUM& 101 - INTRODUCTION TO HUMANITIES - 5.0 credits

This course takes an interdisciplinary approach to the visual, performing and literary arts. Students explore cultural and political contexts, as well as aesthetics principles, of arts around the world. Emphasis is placed on discovery, analysis, and appreciation of diverse works from areas like the fine arts, theater, music, architecture, literature, philosophy, and/or religion. General education distribution area: Humanities.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N470	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MOHIBULLAH H	\$12.00 Per Course -ONLINE ELEARNING FEE	Full	Low-Cost Textbook (\$50 or less)

## INDUSTRIAL FIRST AID

### INDS 101 - FIRST AID/CPR & AED - 1.0 credits

Teaches to effectively recognize and treat in the critical minutes until Emergency Medical Services (EMS) arrive. Includes general principles of first aid, medical emergencies, injury emergencies, environmental emergencies, blood borne pathogens and safety precautions. Upon completion of written exam and skills evaluation AHA card issued. This course is approved by OSHA, WISHA (Labor and Industries).

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-12:30P	K104	Sep 21 - Dec 10	HYBRID	ERVIN S	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 13 Enrolled / 11 Seats Available	
	DAILY	07:00A-01:30P	K121	Sep 21 - Dec 10	HYBRID	THOMPSON B	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 15 Enrolled / 7 Seats Available	
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	TAKATA W	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 15 Enrolled / 7 Seats Available	

## MACHINING TECH

### MTEC 100 - MACHINING ESSENTIALS - 4.0 credits

This is a preparatory course for the Machining Technologies or Precision Machining Technologies Programs. Topics include shop safety; quality; mechanical aptitude; materials; blueprint reading; precision measurement; and an introduction to machinery as applied to real-world manufacturing. This course includes CPR & First Aid Certifications. It also explores occupations and related training options available in the Puget Sound Aerospace & Manufacturing sectors.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ARR	Sep 21 - Dec 10	FACE-TO-FACE	BUCK S	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 18 Enrolled / 2 Seats Available	

## MACHINING TECH

### MTEC 100 - MACHINING ESSENTIALS - 3.0 credits

This is a preparatory course for the Machining Technologies or Precision Machining Technologies Programs. Topics include shop safety; quality; mechanical aptitude; materials; blueprint reading; precision measurement; and an introduction to machinery as applied to real-world manufacturing. This course includes CPR & First Aid Certifications. It also explores occupations and related training options available in the Puget Sound Aerospace & Manufacturing sectors.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ARR	Sep 21 - Dec 10	FACE-TO-FACE	PHILLIPS V	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 18 Enrolled / 2 Seats Available	

## MACHINING TECH

### MTEC 100 - MACHINING ESSENTIALS - 7.0 credits

This is a preparatory course for the Machining Technologies or Precision Machining Technologies Programs. Topics include shop safety; quality; mechanical aptitude; materials;



blueprint reading; precision measurement; and an introduction to machinery as applied to real-world manufacturing. This course includes CPR & First Aid Certifications. It also explores occupations and related training options available in the Puget Sound Aerospace & Manufacturing sectors.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTW	08:00A-10:30A	A24	Sep 21 - Dec 10	HYBRID	BUCK S PHILLIPS V	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 18 Enrolled / 2 Seats Available	

## MACHINING TECH

### MTEC 101 - MACHINE TECHNOLOGY I - 2.0 credits

This is an introductory manufacturing theory course taught in conjunction with MTEC 121, Machining Fundamentals - Lathe & Mill. The principles and techniques of measurement, cutting tool theory, saw operation, shop safety, and manual lathe and mill set-up and operation are covered. PREREQUISITE(S): Completion of MTEC 100 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SCHOENMAKERS	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 6 Enrolled / 14 Seats Available	

## MACHINING TECH

### MTEC 103 - MACHINE TECHNOLOGY II - 2.0 credits

This is the second manufacturing theory course. The principles and techniques of mill set-up and operation and surface and O.D. grinding are covered. PREREQUISITE(S): Completion of MTEC 101 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SCHOENMAKERS	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 6 Enrolled / 14 Seats Available	

## MACHINING TECH

### MTEC 105 - MACHINE TECHNOLOGY III - 2.0 credits

This is the third manufacturing theory course. This class covers precision grinding and non-traditional machining methods. PREREQUISITE(S): Completion of MTEC 101 and MTEC 103 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	W	10:00A-12:00P	F109	Sep 21 - Dec 10	FACE-TO-FACE	KIMANI B	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 10 Enrolled / 10 Seats Available	

## MACHINING TECH

### MTEC 111 - BLUEPRINT READING I - 2.0 credits

This is the first course on the fundamentals of creating and interpreting blueprint and/or engineering drawings. This first course includes basic concepts such as line types, orthographic projection, dimensions, and tolerances.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SCHOENMAKERS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 14 Enrolled / 6 Seats Available	

## MACHINING TECH

### MTEC 113 - BLUEPRINT READING II - 2.0 credits

This is the second course on the fundamentals of creating and interpreting blueprints and/or engineering drawings. In this course, students apply proper conventions and interpret more advanced drawing layout and specifications. PREREQUISITE(S): Completion of MTEC 111 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SCHOENMAKERS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 14 Enrolled / 6 Seats Available	

## MACHINING TECH

### MTEC 121 - MACHINING FUNDAMENTALS-LATHE AND MILL - 8.0 credits

This is an introductory machine shop class utilizing conventional lathes and mills in a fully equipped manufacturing facility. Skills taught and practiced include inside and outside turning, knurling, parting, drilling, boring, milling, and calculating speeds and feeds. PREREQUISITE(S): Completion of MTEC 100 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MWF	08:00A-02:30P	F104	Sep 21 - Dec 10	FACE-TO-FACE	SCHOENMAKERS	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 4 Enrolled / 16 Seats Available	

## MACHINING TECH

### MTEC 140 - GEOMETRIC DIMENSIONING AND TOLERANCING I - 2.0 credits

This is the first course in a two-course series that deals with basic geometric dimensioning and tolerancing (GD&T) methods as interpreted by American Society of Mechanical Engineers 9ASME) Y14.5M. Students learn to read and understand geometric tolerancing symbols and terms.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	W	08:00A-10:00A	F109	Sep 21 - Dec 10	FACE-TO-FACE	KIMANI B	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 10 Enrolled / 10 Seats Available	

## MACHINING TECH

### MTEC 141 - GEOMETRIC DIMENSIONING AND TOLERANCING II - 4.0 credits

This is the second course in a two-course series that deals with basic geometric dimensioning and tolerancing (GD&T) methods as interpreted in American Society of Mechanical Engineers (ASME) Y14.5M. In this second course, students learn to read and understand more advanced geometric tolerancing symbols and terms.

PREREQUISITE(S): Completion of MTEC 140 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	Th	08:00A-12:00P	F109	Sep 21 - Dec 10	FACE-TO-FACE	KIMANI B	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 10 Enrolled / 10 Seats Available	

## MACHINING TECH

### MTEC 161 - MATH FOR MANUFACTURING - 4.0 credits

In this course, students develop basic math skills that are the foundation for calculations and problem solving in the manufacturing industry. Topics include fractions, decimals, metric conversions, tolerances, and an introduction to basic geometry, angular measure, and dimensional analysis. Mathematics as a form of communication is emphasized.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 19 Enrolled / 1 Seats Available	

## MACHINING TECH

### MTEC 171 - COMMUNICATIONS I - 1.0 credits

This is the first course in a three-course series in which students develop effective communication skills for job search and the workplace. This first course emphasizes basic communication skills (reading, writing, listening, and speaking) as applied to manufacturing topics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 19 Enrolled / 1 Seats Available ; Waitlist / 2 Students on Waitlist	

## MACHINING TECH

### MTEC 172 - COMMUNICATIONS II - 1.0 credits

This is the second course in a three-course series in which students develop effective communication skills for the workplace. Students research, write, and present technical reports. They practice daily interpersonal communication skills through formal and informal oral presentations to the class and instructors. They take responsibility for their own learning by actively using various resources to improve their communication skills. PREREQUISITE(S): Completion of MTEC 171 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SCHOENMAKERS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 14 Enrolled / 6 Seats Available	

## MACHINING TECH

### MTEC 173 - COMMUNICATIONS III - 1.0 credits

This is the third course in a three-course series in which students develop effective communication skills for job search and the workplace. Students research, write, and present technical reports, and they develop resumes and other job search documents. They practice daily interpersonal communication skills through formal and informal oral presentations to the class and instructors. They take responsibility for their own learning by actively using various resources to improve their communication skills.

PREREQUISITE(S): Completion of MTEC 172 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SCHOENMAKERS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 14 Enrolled / 6 Seats Available	

## MACHINING TECH

### MTEC 185 - HUMAN RELATIONS - 2.0 credits

This course emphasizes the importance of working in a team environment and the interpersonal skills required to solve problems. The course familiarizes the student with business and personal ethics, conflict resolution skills, sexual harassment preventive strategies, and meeting employer expectations in a culturally diverse workplace.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$12.00 Per Course -ONLINE ELEARNING FEE	Full ; Waitlist / 3 Students on Waitlist	

## MACHINING TECH

### MTEC 231 - CNC MILL SETUP & OPERATION - 8.0 credits

This is an introductory course in the set-up and operation of CNC Mills. Using offsets, speeds, and feeds are strongly emphasized. General G&M codes are introduced to HAAS and FANUC controls.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TThF	08:00A-02:30P	F104	Sep 21 - Dec 10	FACE-TO-FACE	KIMANI B	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 10 Enrolled / 10 Seats Available	

## MACHINING TECH



### MTEC 232 - CNC LATHE SETUP & OPERATION - 8.0 credits

This is an introductory course in the set-up and operation of CNC lathes. Using offsets, speeds, and feeds are strongly emphasized. General G&M codes are introduced for HAAS and FANUC controls.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MWF	08:00A-02:30P	F104	Sep 21 - Dec 10	FACE-TO-FACE	KIMANI B	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 10 Enrolled / 10 Seats Available	

### MACHINING TECH

#### MTEC 236 - MACHINING PROJECTS - 8.0 credits

This is a project-based manufacturing lab class in which students apply knowledge and skills from the Machine Technology courses. PREREQUISITE(S): Completion of MTEC 121, MTEC 231, and MTEC 232 with a 2.0 or higher.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TThF	08:00A-02:30P	F104	Sep 21 - Dec 10	FACE-TO-FACE	SCHOENMAKERS	\$15.00 Per Credit -SUPPLY FEE \$15/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 5 Enrolled / 15 Seats Available	

### MACHINING TECH-SUPPL

#### MTECS182 - MACHINING/MILLING - 5.0 credits

This course is for individuals who have had previous experience or have completed Machining/Lathe and emphasizes advanced shop practices, basic machine and hand tool operation, and the use of industrial milling and grinding machinery. ALL STUDENTS ARE REQUIRED TO HAVE SAFETY GLASSES AND LEATHER SHOES.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K314	Sa	08:30A-05:00P	F104	Sep 26 - Dec 5	FACE-TO-FACE	SCHOENMAKERS	\$599.00 Per Course -STU FUND-T&I	Open 4 Enrolled / 5 Seats Available	No class on 11/28

### MACHINING TECH-SUPPL

#### MTECS184 - INTRODUCTION TO SOLIDWORKS - 3.0 credits

This course is an introduction to creating 3-D computer-aided design models. SolidWorks is a feature-based, parametric solid-modeling design program. Topics include base, boss, and cut feature creation using extruded, revolved, or simple swept shapes, and sketching techniques for detail and assembly drawing creation.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K316	W	05:30P-09:30P	F109	Sep 23 - Dec 9	FACE-TO-FACE	MARTINEZ F	\$359.00 Per Course -STU FUND-T&I	Cancelled	No class on 10/21 and 11/11

### MACHINING TECH-SUPPL

#### MTECS186 - ADVANCED SOLIDWORKS - 3.0 credits

This class is the second of the 2-class sequence for creating 3-D computer-aided design models using SolidWorks design software. Topics include, but are not limited to, sheet metal design, advanced swept and lofted shapes, and parametric surfaces generation. Prerequisites: MTECS 184 or instructor permission.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K318	W	05:30P-09:30P	F109	Sep 23 - Dec 9	FACE-TO-FACE	MARTINEZ F	\$359.00 Per Course -STU FUND-T&I	Cancelled	No class on 10/21 and 11/11

### MACHINING TECH-SUPPL

#### MTECS188 - INTRODUCTION TO MASTERCAM - 3.0 credits

Explore the basics of CNC programming using Mastercam software. Learn geometric construction, write and document programs using contours, drill and pocket functions, tool path as well as file management, editing and post-processing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K324	W	05:30P-09:30P	F109	Sep 23 - Dec 9	FACE-TO-FACE	MARTINEZ F	\$359.00 Per Course -STU FUND-T&I	Cancelled	No class on 10/21 and 11/11

### MACHINING TECH-SUPPL

#### MTECS190 - ADVANCED MASTERCAM - 3.0 credits

Discover advanced programming tools in Mastercam to program complex parts. Learn standard wireframe construction, 2D and 3D, swept surfaces, ruled surfaces, and solids. 3D tool path, 4th axis or rotary axis, parameters, printing and documentation of all NC programs. Prerequisite: MTECS 188 or instructor approval.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K326	W	05:30P-09:30P	F109	Sep 23 - Dec 9	FACE-TO-FACE	MARTINEZ F	\$359.00 Per Course -STU FUND-T&I	Cancelled	No class on 10/21 and 11/11

### MAJOR APPL/REF TECH

#### MART 111 - INDUSTRIAL DIRECT CURRENT (D-C) - 3.0 credits

This course provides the student with necessary knowledge and skills in the understanding of the Electron and D-C Theory and electrical circuits.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	AL-KINANI H	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 20 Enrolled / 20 Seats Available	

### MAJOR APPL/REF TECH

#### MART 112 - INDUSTRIAL ALTERNATING CURRENT (A-C) - 3.0 credits

This course covers alternating current and the electrical circuits. .

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	AL-KINANI H	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 20 Enrolled / 20 Seats Available	

MAJOR APPL/REF TECH

**MART 123 - DIAGNOSTIC TECHNIQUES AND TEST EQUIPMENT - 5.0 credits**

The course covers the proper use of the different types of test equipment required to successfully diagnose the appliance electrical circuits. PREREQUISITE(S): MART 111 and MART 112.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 22 Enrolled / 18 Seats Available	

MAJOR APPL/REF TECH

**MART 125 - ELECTRIC MOTORS - 2.0 credits**

This course covers the theory of operation for both DC and AC electric motors, the different types, applications, the starting devices for, and the physical components of the machines. The course includes practical hands-on diagnosing, testing, and operations for single phase, including single and dual-voltage motors. PREREQUISITE(S): MART 111 and MART 112. MART 125 is a prerequisite to all laundry, kitchen, and refrigeration equipment courses.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 19 Enrolled / 21 Seats Available	

MAJOR APPL/REF TECH

**MART 222 - COOKING EQUIPMENT - 5.0 credits**

This course covers the different styles of gas and electric domestic surface cooking and venting systems. Emphasis is on components, operational function and installation requirements. The student acquires the skills to provide service with the proper test apparatus and advise the customer in proper use of equipment. Electrical systems diagnostics is emphasized.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	

MAJOR APPL/REF TECH

**MART 223 - ADVANCED COOKING EQUIPMENT - 5.0 credits**

This course covers the different styles of domestic cooking equipment. Emphasis is on components and installation requirements. The student acquires the skills to provide service with the proper test apparatus and advise the customer in proper use of the equipment. Electrical systems diagnostics are emphasized.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	

MAJOR APPL/REF TECH

**MART 226 - REFRIGERATION PRINCIPLES - 4.0 credits**

This course covers thermodynamic laws, laws of temperature and pressure, heat transfer theory and provides the necessary knowledge to diagnose and repair/replace components in the refrigeration-sealed system.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 17 Enrolled / 23 Seats Available	

MAJOR APPL/REF TECH

**MART 228 - EPA REGULATIONS AND REFRIGERANT RECOVERY - 1.0 credits**

This course provides the student with necessary knowledge and skills to safely reclaim CFC refrigerants to EPA standards. The student will prepare to pass the EPA Refrigeration Technician Certification Examination. This course is usually taught concurrently with Evacuation and Brazing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 17 Enrolled / 23 Seats Available	

MAJOR APPL/REF TECH

**MART 230 - BRAZING PRINCIPLES AND TECHNIQUES - 5.0 credits**

Students braze ferrous and non-ferrous refrigeration tubing with silver and phosphorous allows to appliance and refrigeration industry standards. Additional emphasis is on developing the skills to braze aluminum tubing. Course is usually taught concurrently with EPA and Evacuation.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 17 Enrolled / 23 Seats Available	



MAJOR APPL/REF TECH

**MART 232 - REFRIGERATION EVACUATION AND CHARGING - 2.0 credits**

This course provides the necessary knowledge and skills to safely evacuate and charge refrigeration systems. This course is usually taught concurrently with EPA and Brazing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 22 Enrolled / 18 Seats Available	

MAJOR APPL/REF TECH

**MART 234 - DOMESTIC REFRIGERATION SERVICING - 5.0 credits**

This course provides necessary skills and troubleshooting knowledge to successfully diagnose, repair and prevent reoccurrence of a wide variety of free standing and built in domestic refrigeration problems. Emphasis is on electrical skills, techniques, and sealed system servicing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	

MAJOR APPL/REF TECH

**MART 235 - WINDOW AIR AND WALL AC/HP SERVICING - 4.0 credits**

This course provides necessary knowledge to diagnose and repair domestic air conditioners, heat pumps, and the related control systems.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	

MAJOR APPL/REF TECH

**MART 236 - ADVANCED REFRIGERATION - 5.0 credits**

This course provides necessary skills and troubleshooting knowledge to successfully diagnose, repair, and prevent reoccurrence of a wide variety of Advanced Diagnostic Techniques commercial refrigeration problems. Emphasis is on electrical skills, techniques, and sealed system servicing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 17 Enrolled / 23 Seats Available	

MAJOR APPL/REF TECH

**MART 237 - COMMERCIAL REFRIGERATION - 5.0 credits**

This course provides necessary skills and troubleshooting knowledge to successfully diagnose, repair, and prevent reoccurrence of a wide variety of split system display commercial refrigeration problems. Emphasis is on electrical skills, techniques, and sealed system servicing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 22 Enrolled / 18 Seats Available	

MAJOR APPL/REF TECH

**MART 238 - HVAC SYSTEM AND CONTROLS - 3.0 credits**

This course provides the necessary knowledge to diagnose and repair light commercial AC, heat pumps, and the related control systems found air conditioning.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 19 Enrolled / 21 Seats Available	

MAJOR APPL/REF TECH

**MART 239 - ADVANCED HVAC SYSTEMS AND CONTROLS - 5.0 credits**

This course provides necessary skills and troubleshooting knowledge to successfully diagnose, repair, and prevent reoccurrence of a wide variety of Electronic HVAC Control systems commercial refrigeration problems. Emphasis is on electrical skills, techniques, and sealed system servicing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 19 Enrolled / 21 Seats Available	

MAJOR APPL/REF TECH

**MART 245 - COMMERCIAL ICE MACHINES - 2.0 credits**

This course provides necessary skills and troubleshooting knowledge to successfully diagnose, repair, and prevent reoccurrence of a wide variety of commercial ice machine problems as well as cleaning and sanitization.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 19 Enrolled / 21 Seats Available	

## MAJOR APPL/REF TECH

**MART 251 - LIGHT COMMERCIAL REFRIGERATION SERVICE I - 6.0 credits**

This course provides necessary skills and troubleshooting knowledge to successfully diagnose, repair, and prevent reoccurrence of a wide variety of reach in/free standing commercial refrigeration problems.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARNS FEE	Open 19 Enrolled / 21 Seats Available	

## MAJOR APPL/REF TECH

**MART 252 - LIGHT COMMERCIAL REFRIGERATION SERVICE II - 6.0 credits**

This course provides necessary skills and troubleshooting knowledge to successfully diagnose, repair, and prevent reoccurrence of a wide variety of walk-in commercial refrigeration problems. Emphasis is on electrical skills, techniques, and sealed system servicing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MTTh MTTh	08:00A-04:30P 08:00A 04:30P	E405 E401A	Sep 21 - Dec 10	FACE-TO-FACE	VIKHOVSKIY	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARNS FEE	Open 19 Enrolled / 21 Seats Available	

## MATHEMATICS

**MATH 095 - INTERMEDIATE ALGEBRA - 5.0 credits**

This course covers the following topics: review of selected elementary algebra topics; absolute value equations and inequalities; factoring polynomials; rational expressions; solving rational equations; rational exponents and radicals; quadratic equations and complex numbers; functions and their graphs; inverse functions; exponential and logarithmic functions; properties of logarithms; solving polynomial, quadratic-form and radical equations. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. PREREQUISITE(S): Completion of MATH 085 or AMATH 185 with a 2.0 or higher, or placement by assessment.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G353	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	
N424	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ROTH A	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 16 Enrolled / 9 Seats Available	

## MATHEMATICS

**MATH&107 - MATH IN SOCIETY - 5.0 credits**

This college level course provides a mathematical perspective of contemporary issues. The course is designed for students who do not intend to continue in mathematics or science. Topics vary but may include areas of finance, statistics, data analysis, logic and applications relevant to humanities, social sciences and education. Content emphasis is on problem solving and quantitative reasoning. General education distribution area: Quantitative / Symbolic Reasoning. PREREQUISITE(S): Completion of MATH 095, AMATH 190, or AMATH 195 with a 2.0 or higher, or placement by assessment.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G343	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	
N408	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 16 Enrolled / 9 Seats Available	

## MATHEMATICS

**MATH&141 - PRECALCULUS I - 5.0 credits**

Elementary functions, their graphs and transformations of their graphs, with applications to mathematical modeling. Examples include linear, quadratic, polynomial, rational, exponential, logarithmic, composite functions, and inverse functions. General education distribution area: Quantitative / Symbolic Reasoning. PREREQUISITE(S): Completion of MATH 095, AMATH 193, or AMATH 195 with a 2.0 or higher, or placement by assessment.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N466	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ROTH A	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 16 Enrolled / 9 Seats Available	
G333	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	
G186	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 16 Enrolled / 10 Seats Available	

## MATHEMATICS

**MATH&142 - PRECALCULUS II - 5.0 credits**

Trigonometric and inverse trigonometric functions, their graphs and transformations of their graphs, with applications to mathematical modeling. Solving trigonometric equations, the derivation and use of trigonometric identities. Polar coordinates and parametric equations, with applications to mathematical modeling. Conic sections, with applications to mathematical modeling. General education distribution area: Quantitative / Symbolic Reasoning. PREREQUISITE(S): Completion of MATH& 141 with a 2.0 or higher, or placement by assessment.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G355	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE ELEARNING FEE	Cancelled	



G196	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE EARNING FEE	Open 16 Enrolled / 10 Seats Available	
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## MATHEMATICS

### MATH&146 - INTRODUCTION TO STATISTICS - 5.0 credits

This course is an introduction to statistics and how it may be applied in the analysis of numerical data. It includes the following topics: structure of data sets, central tendency, dispersion, means, standard deviation, correlation, and regression, binomial and normal probability distributions, sampling methods, confidence intervals and hypothesis testing. General education distribution area: Quantitative / Symbolic Reasoning. PREREQUISITE(S): Completion of MATH 095, AMATH 190, or AMATH 195 with a 2.0 or higher, or placement by assessment.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N426	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	COOKSEY M	\$12.00 Per Course -ONLINE EARNING FEE	Open 24 Enrolled / 4 Seats Available	
G262	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	COOKSEY M	\$12.00 Per Course -ONLINE EARNING FEE	Open 17 Enrolled / 11 Seats Available	
G248	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ROTH A	\$12.00 Per Course -ONLINE EARNING FEE	Open 21 Enrolled / 4 Seats Available	

## MATHEMATICS

### MATH&148 - BUSINESS CALCULUS - 5.0 credits

Introduction to Differential and Integral Calculus of elementary functions with emphasis on business applications and its use in optimization. General education distribution area: Quantitative / Symbolic Reasoning. PREREQUISITE(S): Completion of MATH& 141 with a 2.0 or higher, or placement by assessment.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G198	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE EARNING FEE	Open 16 Enrolled / 10 Seats Available	
G337	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE EARNING FEE	Cancelled	

## MATHEMATICS

### MATH&151 - CALCULUS I - 5.0 credits

Differential calculus. The definition and interpretation of the derivative, with applications to mathematical modeling. Derivatives of algebraic and transcendental functions. General education distribution area: Quantitative / Symbolic Reasoning. PREREQUISITE(S): Completion of MATH& 142 with a 2.0 or higher, or placement by assessment.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G200	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE EARNING FEE	Open 16 Enrolled / 10 Seats Available	
G339	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE EARNING FEE	Cancelled	

## MATHEMATICS

### MATH&152 - CALCULUS II - 5.0 credits

Integral calculus. The definition, interpretation and application of the definite integral. The Fundamental Theorem of Calculus, techniques of integration and definite integrals involving parametrically described curves. Introduction to differential equations. This class is taught either in traditional lecture mode or through individually tailored interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. General education distribution area: Quantitative / Symbolic Reasoning. PREREQUISITE(S): Completion of MATH& 151 with a 2.0 or higher, or placement by assessment.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G340	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CHAKRABARTI	\$12.00 Per Course -ONLINE EARNING FEE	Cancelled	
G201	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE EARNING FEE	Open 16 Enrolled / 10 Seats Available	

## MATHEMATICS

### MATH&163 - CALCULUS 3 - 5.0 credits

This third course in the calculus sequence covers vectors, series, and multivariable functions, as well as partial derivatives and differentiation. PREREQUISITE(S): Completion of MATH& 152 with a 2.0 or higher or equivalent course.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G226	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	ST JOHN M	\$12.00 Per Course -ONLINE EARNING FEE	Open 16 Enrolled / 10 Seats Available	
G347	MW	06:00P-08:30P	H301	Sep 21 - Dec 9	FACE-TO-FACE	CHAKRABARTI	\$15.00 Per Course -WEB ENH/HYB EARN FEE	Cancelled	

## MECHATRONICS

### MEC 101 - MACHINING ESSENTIALS - 4.0 credits

This is a preparatory course for the Mechatronics Programs covering safety, communication, quality, mechanical aptitude, mathematics utilizing fractions, decimals, metric conversions, geometry, materials, blueprint reading, precision measurement, and an introduction to machinery as applied to real-world manufacturing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	AL-KINANI H	\$12.00 Per Course -ONLINE EARNING FEE	Open 15 Enrolled / 3 Seats Available	

## MECHATRONICS

### MEC 102 - INDUSTRIAL DIRECT CURRENT - 3.0 credits

This course provides the student with necessary knowledge and skills in the understanding of the Electron and D-C Theory and electrical circuits as related to the Mechatronics field.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	AL-KINANI H	\$12.00 Per Course -ONLINE EARNING FEE	Open 20 Enrolled / 20 Seats Available	

## MECHATRONICS

### MEC 103 - INDUSTRIAL ALTERNATING CURRENT - 3.0 credits

This course covers alternating current and the electrical circuits as they relate to the Mechatronics field.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	AL-KINANI H	\$12.00 Per Course -ONLINE EARNING FEE	Open 20 Enrolled / 20 Seats Available	

## MECHATRONICS

### MEC 104 - PNEUMATICS AND HYDRAULIC CONTROLS - 5.0 credits

This course offers a study of pneumatic, hydraulic and power fluid control theory of electromechanical systems. In this course, students will learn common terms and problem solving techniques along with functional elements including control valves, pumps, actuators, accumulators, reservoirs, fluids, filters, hose, piping, tubing and preventive and predictive maintenance techniques. Part of this course is a hands-on lab featuring components, system construction and interlocks to other types of control systems.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	Th	09:00A-12:00P	J206	Sep 21 - Dec 10	HYBRID	AL-KINANI H	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB EARN FEE	Open 14 Enrolled / 4 Seats Available	

## MECHATRONICS

### MEC 105 - PROGRAMMABLE LOGIC CONTROLS - ALLEN-BRADLEY - 3.0 credits

Introduction to programmable logic controllers for industrial control and direct digital controls for industrial automation. Participants will gain an understanding of terminology, components, programming, interfacing, and operation of PLC controls; and be introduced to DDC components, functions, and operation in building automation and energy management. Student will learn the Allen-Bradley PLC system to study software programming, architectures, ladder logic, I/O modules, basic numbering systems, computer terminology, and industrial communication.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	W	10:00A-12:00P	J206	Sep 21 - Dec 10	HYBRID	AL-KINANI H	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB EARN FEE	Open 13 Enrolled / 5 Seats Available	

## MECHATRONICS

### MEC 201 - COMPUTER FUNDAMENTALS AND LAB - 2.0 credits

This course provides an introduction to the hardware, operating systems and application programs used by individuals working in the industrial and commercial maintenance fields.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HANSON G	\$12.00 Per Course -ONLINE EARNING FEE	Open 6 Enrolled / 12 Seats Available	

## MECHATRONICS

### MEC 205 - WELDING FUNDAMENTALS - 4.0 credits

This course covers gas cutting, brazing, and soldering and electrical welding (stick, MIG and TIG) used by individuals working in an industrial maintenance environment. Most of this course is a hands-on lab featuring various types of welders and applications.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	TTh	12:30P-04:30P	A10	Sep 21 - Dec 10	FACE-TO-FACE	PARKER D	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$15.00 Per Course -WEB ENH/HYB EARN FEE	Registration Currently Closed	

## MUSIC

### MUSC&105 - MUSIC APPRECIATION - 5.0 credits

This course helps students develop an understanding of the elements and vocabulary of music while deepening their appreciation of music as a reflection of cultural tradition and innovation. Students gain tools for analysis such as the historical, political and cultural influences on musical traditions. Class activities include lectures, written materials, and a variety of listening experiences. General education distribution area: Humanities.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N462	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	LEHNHOFF L	\$12.00 Per Course -ONLINE EARNING FEE	Open 24 Enrolled / 1 Seats Available	

## NURSING ASSISTANT

### HLTH 100 - TOOLS FOR SUCCESS - 2.0 credits

This course provides the foundational tools for successful completion of the Nursing Assistant program.



Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	06:00P-09:30P	H105	Sep 21 - Nov 11	FACE-TO-FACE	KAUR R KURLE J	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 1 Seats Available	
	DAILY	08:00A-02:30P	H105	Sep 21 - Oct 23	FACE-TO-FACE	KAUR R KURLE J	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 1 Seats Available	
	DAILY	08:00A-02:30P	H105	Nov 2 - Dec 4	FACE-TO-FACE	KAUR R KURLE J	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 1 Seats Available	

## NURSING ASSISTANT

### NA 101 - FUNDAMENTALS OF NURSING ASSISTANT - 2.0 credits

Students learn about the role of the Nursing Assistant in meeting the basic needs of the client, including legal and ethical implications. The mandatory HIV/AIDS content is covered.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	06:00P-09:30P	H105	Sep 21 - Nov 11	FACE-TO-FACE	KAUR R	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$14.62 Per Year -MED MAL & GEN LIAB INS	Open 9 Enrolled / 1 Seats Available	
	DAILY	08:00A-02:30P	H105	Sep 21 - Oct 23	FACE-TO-FACE	BURDICK J KAUR R	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$14.62 Per Year -MED MAL & GEN LIAB INS	Open 9 Enrolled / 1 Seats Available	
	DAILY	08:00A-02:30P	H105	Nov 2 - Dec 4	FACE-TO-FACE	KAUR R	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$14.62 Per Year -MED MAL & GEN LIAB INS	Open 9 Enrolled / 1 Seats Available	

## NURSING ASSISTANT

### NA 103 - BASIC TECHNICAL SKILLS - 2.0 credits

Students will learn all the skills necessary in the role of a Nursing Assistant to provide for an optimal level of functioning to the client. Also included is a mock NACES written and skills exam.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	06:00P-09:30P	H105	Sep 21 - Nov 11	FACE-TO-FACE	NATIVIDAD A	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 1 Seats Available	
	DAILY	08:00A-02:30P	H105	Sep 21 - Oct 23	FACE-TO-FACE	BURDICK J	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 1 Seats Available	
	DAILY	08:00A-02:30P	H105	Nov 2 - Dec 4	FACE-TO-FACE	BURDICK J	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 1 Seats Available	

## NURSING ASSISTANT

### NA 105 - PRINCIPLES OF A&P, RESTORATIVE CARE,RELATED PROC - 2.0 credits

The student gains basic knowledge of anatomy and physiology related to care given by Nursing Assistants. Students learn to recognize and report abnormal signs and symptoms of common diseases and conditions. Principles and skills of rehabilitation and restorative care are discussed.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW	06:00P-09:30P	H105	Sep 21 - Nov 11	FACE-TO-FACE	KAUR R	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 1 Seats Available	
	DAILY	08:00A-02:30P	H105	Sep 21 - Oct 23	FACE-TO-FACE	BURDICK J KAUR R	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 1 Seats Available	
	DAILY	08:00A-02:30P	H105	Nov 2 - Dec 4	FACE-TO-FACE	KAUR R	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 9 Enrolled / 1 Seats Available	

## NURSING ASSISTANT

### NA 131 - NURSING ASSISTANT PRACTICUM - 2.0 credits

The student demonstrates the knowledge, skills, and abilities for safe and effective care as a Nursing Assistant under the direction and supervision of an LPN/RN.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	WThF	05:45A-02:15P	CLNICAL	Oct 14 - Oct 23	FACE-TO-FACE	BURDICK J	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$85.00 Per Course -CLIN PLCMT FEE 1-4 CR	Open 0 Enrolled / 10 Seats Available	
	WThF	05:45A-02:15P	CLNICAL	Nov 25 - Dec 4	FACE-TO-FACE	BURDICK J	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$85.00 Per Course -CLIN PLCMT FEE 1-4 CR	Open 8 Enrolled / 2 Seats Available	
	WThF	05:45A-02:15P	CLNICAL	Dec 2 - Dec 10	FACE-TO-FACE	BURDICK J	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$85.00 Per Course -CLIN PLCMT FEE 1-4 CR	Open 0 Enrolled / 10 Seats Available	
	WThF	05:45A-02:15P	CLNICAL	Oct 14 - Oct 23	FACE-TO-FACE	BURDICK J	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$85.00 Per Course -CLIN PLCMT FEE 1-4 CR	Open 9 Enrolled / 1 Seats Available	
	SaSu	05:45A-02:15P	CLNICAL	Oct 24 - Nov 8	FACE-TO-FACE	NATIVIDAD A	\$5.00 Per Credit -SUPPLY FEE \$5/CR ; \$85.00 Per Course -CLIN PLCMT FEE 1-4 CR	Open 9 Enrolled / 1 Seats Available	

## NUTRITION

### NUTR&101 - HUMAN NUTRITION - 5.0 credits

This course provides students with information pertaining to the functions of nutrients in the body and the physiologic processes involved in digestion and absorption. Topics covered include anatomy and physiology of digestion and absorption; specific utilization of carbohydrates, protein, and fats; and vitamin and mineral supplements. Other topics include factors that govern nutrient requirements, and the impact of diet on health and disease. Basic principles of chemistry, biology, and physiology are applied to the

topics include factors that govern nutrient requirements, and the impact of diet on health and disease. Basic principles of chemistry, biology, and physiology are applied to the study of nutrition. This course is suggested for students majoring in nursing or other health-related areas. General education distribution area: Natural Science.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N458	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SZABO D	\$12.00 Per Course -ONLINE ELEARNING FEE	Full ; Waitlist / 2 Students on Waitlist	
N404	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SZABO D	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 23 Enrolled / 2 Seats Available ; Waitlist / 1 Students on Waitlist	

#### OFFICE ASSISTANT

##### ASST 095 - BUSINESS MATH (CLERICAL SKILLS REVIEW) - 3.0 credits

This course provides a review of the basic business English, math, and computer skills required for clerical work.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Oct 5 - Dec 10	ONLINE	PHILPOTT M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 25 Enrolled / 5 Seats Available	

#### OFFICE ASSISTANT

##### ASST 110 - INTRODUCTION TO BUSINESS WRITING - 3.0 credits

Students are introduced to the basics of business writing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Oct 5 - Dec 10	ONLINE	PHILPOTT M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 25 Enrolled / 5 Seats Available	

#### OFFICE ASSISTANT

##### ASST 120 - KEYBOARDING/DATA ENTRY - 3.0 credits

Students develop speed and accuracy on an electronic keyboard through skill development activities and data entry applications.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Oct 5 - Dec 10	ONLINE	PHILPOTT M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 25 Enrolled / 5 Seats Available	

#### OFFICE ASSISTANT

##### ASST 144 - INTRODUCTION TO COMPUTER APPLICATIONS - 5.0 credits

Students receive training on basic business computer applications using Windows and Microsoft applications, including word processing, spreadsheets, data bases, and graphics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Oct 5 - Dec 10	ONLINE	PHILPOTT M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 25 Enrolled / 5 Seats Available	

#### OFFICE ASSISTANT

##### ASST 181 - CUSTOMER SERVICE (HUMAN REL) & CAREER READINESS - 5.0 credits

This course helps students develop skills to assist in their personal and professional growth. Students learn the fundamentals of human relations in a professional environment, including the basic tools to better understand co-workers, colleagues, customers and supervisors. Job-seeking skills, including developing resumes, cover letters and portfolios are covered, as are interviewing techniques. The importance of self-image, self-esteem and business etiquette is also discussed.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Oct 5 - Dec 10	ONLINE	PHILPOTT M	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 25 Enrolled / 5 Seats Available	

#### POLITICAL SCIENCE

##### POLS&202 - AMERICAN GOVERNMENT - 5.0 credits

This course explores the structure and dynamics of American national government. The course provides a broad-based introduction to the ideas and institutions that have shaped politics in the contemporary United States. Special areas of focus will include: the Constitution and the debates of the founding era, the institutions of modern American government, and the political behavior of the American mass public. The course will draw inspirationally on documents from America's Revolutionary and Civil War periods as well as on key historical and contemporary Supreme Court opinions, Congressional laws, and Presidential policy papers. This course will also analyze how the dynamics of regional and global forces have impacted on domestic politics and American government, informing the shaping of its attitudes and policies to the rest of the world. General education distribution area: Social Science.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N486	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	FOLDEN-SHORT	\$12.00 Per Course -ONLINE ELEARNING FEE	Full	

#### PROPERTY MAINTENANCE

##### PROP 102 - PROFESSIONALISM IN PROPERTY MAINTENANCE - 1.0 credits

Students are introduced to the workplace expectations for property maintenance workers. Topics in the course include customer service and tenant relations, basic budget considerations, and handling emergency situations in multi-residential housing units.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HUDSON E	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 7 Enrolled / 8 Seats Available	

#### PROPERTY MAINTENANCE

##### PROP 104 - BASIC PLUMBING REPAIRS - 3.0 credits



Repair toilets, sinks, faucets, hot water heaters, and drains; and use tools and materials safely including soldering.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	06:00P-10:00P 10:00A 01:15P	A23 A23	Sep 21 - Dec 10	HYBRID	HUDSON E	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Cancelled	

## PSYCHOLOGY

### PSYC&100 - GENERAL PSYCHOLOGY - 5.0 credits

General Psychology surveys the knowledge and methods of the discipline of psychology. Emphasis is placed upon application of psychological knowledge to daily situations, and upon accessing and assessing information from a variety of sources about behavior. Skills in scientific reasoning and critical thinking are developed during this course. Areas of psychology to be included are: research methods, neuroscience, human development, sensation, perception, consciousness, learning, memory, cognitive processes, intelligence, motivation, emotion, personality, psychological disorders, psychotherapy, stress and health, and social psychology. Basic computer and keyboarding skills strongly recommended. General education distribution area: Social Science.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G118	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CROSS A	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 23 Enrolled / 2 Seats Available	
G120	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	SCOTT K	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 15 Enrolled / 10 Seats Available	
N474	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	BERKSHIRE L	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 18 Enrolled / 12 Seats Available	Low-Cost Textbook (\$50 or less)
N422	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	BERKSHIRE L	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 25 Enrolled / 5 Seats Available	Low-Cost Textbook (\$50 or less)

## PSYCHOLOGY

### PSYC&200 - LIFESPAN PSYCHOLOGY - 5.0 credits

This course covers the concepts of human life span development in psychology and research from the prenatal stage to end of life experiences. Life span development includes socio-emotional, cognitive, and physiological development. Included are the influences on human development by such factors as biology, life experiences, family, and culture. Each individual, although unique follows a process that is affected by primary caregivers, siblings, extended family, teachers, friends, partners, and events. Emphasis is on understanding human development and the influences of family and culture that includes ethnicity, beliefs, family structure, traditions, and gender. General education distribution area: Social Science.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G178	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	CUMMINGS A	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 19 Enrolled / 6 Seats Available	
N420	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	BERKSHIRE L	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 26 Enrolled / 4 Seats Available ; Waitlist / 1 Students on Waitlist	

## REFRIGERATION-SUPPL

### REFS 235 - EPA REFRIGERANT CERTIFICATION - 2.0 credits

Earn your EPA 608 Universal Certification. The 608 Certification is required for all refrigeration service involving non-automotive sealed systems. This 5-week class includes four weeks of preparation by an experienced and certified instructor. The EPA 608 exam is given in the fifth week during class. Additional cost for exam needs to be paid at the time of testing.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
Q235	W	05:30P-09:30P	E415	Oct 28 - Dec 2	FACE-TO-FACE	STAFF		Cancelled	

## SOCIOLOGY

### SOC& 101 - INTRODUCTION TO SOCIOLOGY - 5.0 credits

Sociology is the study of human interaction. Students study modern society and the influences of culture, socialization, inequality and power. Topics include gender, class, race and ethnicity, conflict, and marriage and the family. General education distribution area: Social Science.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
G448	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MILLER B	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 21 Enrolled / 4 Seats Available	
N448	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MILLER B	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 3 Seats Available ; Waitlist / 6 Students on Waitlist	

## SPANISH

### SPAN&121 - SPANISH I - 5.0 credits

This is the first course of a series of classes that teaches the fundamentals of Spanish as a second language. While the course focuses on speaking and verbal comprehension, reading, writing and hispanic culture are also integral to the class. General education distribution area: Humanities.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
N772	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	APPLEGARTH H	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 22 Enrolled / 3 Seats Available	Low-Cost Textbook (\$50 or less)

## SURVEYING

### SUR 101 - CONTROL SURVEYING - 4.0 credits

This course introduces maps, field survey measurement and mathematical concepts. Students learn theory of surveying calculations and errors in measurements with emphasis on horizontal and vertical controls.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	M	08:00A-01:00P	J205	Sep 21 - Dec 10	HYBRID	PAQUETTE M	\$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 18 Enrolled / 6 Seats Available	

## SURVEYING

### SUR 174 - OFFICE COMPUTER APPLICATIONS - 2.0 credits

An introduction to microcomputers, word processing spreadsheets, utilities, and the Internet, providing a basis for the Communications course as well as the reporting and presentation of information required throughout the rest of the program.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PAQUETTE M	\$12.00 Per Course -ONLINE EARNING FEE	Open 16 Enrolled / 8 Seats Available	

## SURVEYING

### SUR 181 - HUMAN RELATIONS - 2.0 credits

Students cover teamwork and conflict resolution techniques. They study methods to recognize and effectively deal with discrimination and sexual harassment, and the associated legal considerations in the workplace. They study practical cooperation techniques needed for the effective field work and quality assurance.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PAQUETTE M	\$12.00 Per Course -ONLINE EARNING FEE	Open 16 Enrolled / 8 Seats Available	

## SURVEYING

### SUR 205 - SURVEY ADJUSTMENTS - 3.0 credits

This course covers the concepts of random error theory and adjustment algorithms, the mathematical application of simple error propagation formulas and compass rule adjustments. The course uses computer applications to perform least squares adjustments of survey networks and interpret the results.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	HARRISON M	\$12.00 Per Course -ONLINE EARNING FEE	Open 14 Enrolled / 10 Seats Available	

## SURVEYING

### SUR 245 - PUBLIC LAND SYSTEM II - 5.0 credits

This course covers the historical methods and framework of the American systems of land division, with an emphasis on the Public Land System. The topics covered include monumentation, area computation, section retracement, corner restoration and subdivision of sections.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	COAN J	\$12.00 Per Course -ONLINE EARNING FEE	Open 12 Enrolled / 12 Seats Available	

## SURVEYING

### SUR 255 - GLOBAL NAVIGATION SATELLITE SYSTEMS - 3.0 credits

This course is an overview of the Global Navigation Satellite Systems (GNSS) with emphasis on the Global Positioning System (GPS) and their principles as applied to land surveying for centimeter accuracy measurement: position and vector observations, project planning, network design static and kinematic techniques.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	PAQUETTE M	\$12.00 Per Course -ONLINE EARNING FEE	Open 15 Enrolled / 9 Seats Available	

## SURVEYING

### SUR 257 - GEODETIC SURVEYING - 4.0 credits

Geodetic Surveying relates surveying principles to the spheroidal earth. Students are exposed to slope distance reductions, ellipsoids and datums, two-dimensional coordinate transformations. Labs are related to GNSS survey data and triangulation data. Students are instructed in the use of State Plane Coordinates and Least Squares Adjustments. Spherical trigonometry is applied to the use of Astronomic observations.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	KULISH M	\$12.00 Per Course -ONLINE EARNING FEE	Open 13 Enrolled / 11 Seats Available	

## TEACHING & LEARNING

### EDUC 170 - TECHNOLOGY FOR TEACHING AND LEARNING - 3.0 credits

This online course is designed to familiarize you with useful technology for your course modality and subject matter. You will have the chance to explore and collaborate with your colleagues as well as utilize social networks to access tools and tech teaching approaches.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
W754	ARRANGED	ARR-ARR	ONLINE	Sep 30 - Oct 27	ONLINE	FALCONER E	\$100.00 Per Course -ED&HS STUDENT FUNDED	Open 17 Enrolled / 8 Seats Available	

## TEACHING & LEARNING

### EDUC 231 - MANAGING THE LEARNING ENVIRONMENT - 3.0 credits

This online course covers the next steps in teaching: the basics of classroom management and student engagement and assessment covering various issues and practices.



This online course covers the next steps in teaching, the basics of classroom management and student engagement and assessment, covering various issues and practices, making use of scenarios and real-life situations.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
W752	ARRANGED	ARR-ARR	ONLINE	Sep 2 - Sep 29	ONLINE	FALCONER E	\$100.00 Per Course -ED&HS STUDENT FUNDED	Open 17 Enrolled / 8 Seats Available	

## TEACHING & LEARNING

### EDUC 282 - INTEGRATING CULTURAL DIVERSITY INTO CURRICULUM - 3.0 credits

This online course focuses on awareness of diversity and equity issues; to develop skills in teaching diverse students to ensure that all are treated equitably and to help students interact with one another with an understanding and appreciation of fundamental similarities while celebrating diversity.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
W756	ARRANGED	ARR-ARR	ONLINE	Oct 28 - Nov 25	ONLINE	FALCONER E	\$100.00 Per Course -ED&HS STUDENT FUNDED	Open 16 Enrolled / 9 Seats Available	

## WELDING

### WELD 101 - THERMAL CUTTING - 3.0 credits

Learn to use personal protective equipment, understand welding processes and methods of application. Instruction in track burning includes both straight and beveled cuts on mild steel. Plasma arc cutting includes manual cutting of sheet and plate steel and other alloys. Air carbon arc cutting includes back gouging and weld removal.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 102 - OXYACETYLENE WELDING AND BRAZING - 7.0 credits

Includes oxyacetylene welding in multiple positions on mild steel sheet metal and brazing in the flat position on mild steel plate and sheet. Learn to use personal protective equipment, understand welding processes and methods of application. Instruction on the safe use of an oxyacetylene torch.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 104 - INTRODUCTION TO ARC WELDING - 3.0 credits

Students will interpret the fundamentals of welding; basic joints, the welding processes and methods of application, welding electricity, welding safety and physics basics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	HYBRID	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	HYBRID	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Open 14 Enrolled / 6 Seats Available	

## WELDING

### WELD 105 - SHIELDED METAL ARC WELDING I - 7.0 credits

Students receive individualized instruction in shielded metal arc welding in multiple positions on mild steel plate with E6010 and E6011 electrodes. Learn to use personal protective equipment, understand welding processes and methods of application, and welding electricity and physics basics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 106 - SHIELDED METAL ARC WELDING II - 7.0 credits

Individualized instruction continues in shielded metal arc welding in multiple positions on mild steel plate with E7018 electrodes. Practice good safety habits, understand welding processes and methods of application, and welding electricity and physics basics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 110 - FLUX CORED ARC WELDING - 7.0 credits

This course includes individualized instruction in both gas shielded and self shielded flux cored arc welding with E71T-1 and E71T-6 electrodes on mild plate in multiple positions. Learn to use personal protective equipment, understand welding processes and methods of application, and welding electricity and physics basics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 111 - GAS METAL ARC WELDING - 7.0 credits

This course includes individualized instruction in the following types of gas metal arc welding: short circuited arc with E70S-3 on mild steel sheet in multiple positions; spray arc with E70S-3 electrodes on mild steel plate in multiple positions, and spray arc with aluminum 5356 electrodes in multiple positions. Use personal protective equipment, understand welding processes and methods of application, and welding electricity and physics basics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 114 - GAS TUNGSTEN ARC WELDING I - 7.0 credits

Receive individualized instruction in gas tungsten arc welding on mild steel plate and sheet with ER70S-X rod in multiple positions; on stainless steel in multiple positions using 308, 309 and 316 filler rod; and on aluminum sheet in multiple positions using 4043 and 5356 filler rod. Use personal protective equipment, understand welding processes and methods of application, and welding electricity and physics basics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full ; Waitlist / 1 Students on Waitlist	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 115 - GAS TUNGSTEN ARC WELDING II - 6.0 credits

Continue individualized instruction in gas tungsten arc welding on mild steel plate and sheet with ER70S-X rod in multiple positions; on stainless steel in multiple positions using 308, 309, and 316 filler rod; and on aluminum sheet in multiple positions using 4043 and 5356 filler rod. Use personal protective equipment, understand welding processes and methods of application, and welding electricity and physics basics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 120 - MIG ALUMINUM - 5.0 credits

This course includes individualized instruction in the following types of gas metal arc welding; spray arc with aluminum 5356 electrodes in multiple positions, and pulse spray arc with aluminum. Use personal protective equipment, understand welding processes and methods of application, and welding electricity and physics basics.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
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	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full ; Waitlist / 1 Students on Waitlist	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBRIIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 138 - CERTIFICATION SMAW - 7.0 credits

This course option to WELD 122 Certification provides practice time for SMAW process. The goal is to fine-tune welding skills in order to gain welding certifications. (Instructors permission is required for entry into this class.)

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed	
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBRIIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed	

## WELDING

### WELD 140 - CERTIFICATION GMAW/FCAW - 6.0 credits

This course provides practice time for GMAW and FCAW processes. The goal is to fine-tune welding skills in order to gain welding certifications. (Instructors permission is required for entry into this class.)

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed	
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBRIIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed	

## WELDING

### WELD 142 - PIPE WELDING I - 6.0 credits

This advanced course is an option within the day time Welding program. The course includes SMAW and/or GTAW to weld various diameters of pipe to WABO standards. WABO testing is optional. (Instructors permission is required for entry into this class.)

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBRIIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Full	

## WELDING

### WELD 143 - PIPE WELDING II - 6.0 credits

This advanced course is an option within the day time Welding program. The course includes SMAW and/or GTAW to weld various diameters of pipe to WABO standards. WABO testing is optional. PREREQUISITE(S): WELD 142. (Instructors permission is required for entry into this class.)

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	MW Sa	05:00P-09:30P 08:00A 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	WOODBRIIDGE P	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed / 1 Students on Waitlist	
	DAILY	07:00A-12:00P	A1	Sep 21 - Dec 10	FACE-TO-FACE	GEIST R	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed	
	MTWTh F	12:00P-05:00P 12:00P 02:30P	A1 A1	Sep 21 - Dec 10	FACE-TO-FACE	STUART E	\$40.00 Per Credit -SUPPLY FEE-WELDING ; \$15.00 Per Course -WEB ENH/HYB ELEARN FEE	Permission Code Needed	

## WELDING-SUPPL

### WELDS180 - INTRODUCTION TO WELDING - 4.0 credits

Students receive individualized instruction to learn basic welding processes, oxy-fuel safety and cutting, plasma cutting, base metal preparation, equipment and setup, and weld quality. Students will have the opportunity to weld with one or more processes including gas welding, stick and MIG. This course is designed for hobbyists as well as individuals interested in career exploration or advancements. If you have a welding machine in your garage, this course will teach you to use it! This course may be repeated.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
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K650	TTh	05:30P-09:30P	A1	Sep 22 - Dec 10	FACE-TO-FACE	STUART E	\$495.00 Per Course -STU FUND-T&I	Full	
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WELDING-SUPPL

**WELDS182 - INTERMEDIATE WELDING - 4.0 credits**

The student will learn welding vocabulary, welding theory, safe handling practices and set-up of all related welding equipment with individualized instruction. Students will weld using one or more welding processes used in industries such as manufacturing, structural, automotive, and artistic sculpture work. Welding processes include sticf, MIG, Flux Core, TIG and Oxy-fuel welding. An introduction to torch and plasma cutting is included. Preparation for WABO certification is an option. This course may be repeated.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K652	TTh	05:30P-09:30P	A1	Sep 22 - Dec 10	FACE-TO-FACE	STUART E	\$495.00 Per Course -STU FUND-T&I	Full	

WELDING-SUPPL

**WELDS184 - ADVANCED WELDING I - 4.0 credits**

This course is designed for an experienced welder to continue building their skill set with individualized instruction. This course focuses on all position welding and weld quality and appearance. Students will learn common welding tests and techniques. WABO certification is available in all welding processes. This course may be repeated.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K654	TTh	05:30P-09:30P	A1	Sep 22 - Dec 10	FACE-TO-FACE	STUART E	\$495.00 Per Course -STU FUND-T&I	Full	

WELDING-SUPPL

**WELDS186 - ADVANCED WELDING II - 4.0 credits**

This course is designed for an experienced welder to improve skills with individualized instruction. Options in this course include pipe welding and certifications as well as stainless steel and aluminum in any process and all positions. WABO certification is available in all welding processes. This course may be repeated.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K656	TTh	05:30P-09:30P	A1	Sep 22 - Dec 10	FACE-TO-FACE	STUART E	\$495.00 Per Course -STU FUND-T&I	Full	

WELDING-SUPPL

**WELDS188 - WELDING FABRICATION I - 5.0 credits**

This course provides fabrication instruction to those who are proficient in at least one arc welding process. The instruction includes project planning, trade math, welding blueprints, layouts, joint design, rolling, bending, plasma cutting, grinding, polishing, finishing and other various fabrication methods. Students are required to purchase their own materials for projects. Prerequisite(s): Instructor permission.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K618	TTh	05:30P-09:30P	A10	Sep 22 - Dec 3	FACE-TO-FACE	PARKER D	\$599.00 Per Course -STU FUND-T&I	Permission Code Needed	

WELDING-SUPPL

**WELDS190 - WELDING FABRICATION II - 5.0 credits**

This course provides fabrication instruction to those who are proficient in at least one arc welding process. In this class students design, plan, layout, cut and fabricate their own welding projects. Students are required to purchase their own materials for projects. Prerequisite: WELDS 188.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
K622	TTh	05:30P-09:30P	A10	Sep 22 - Dec 3	FACE-TO-FACE	PARKER D	\$599.00 Per Course -STU FUND-T&I	Permission Code Needed	

WORKFORCE & TRADES

**WTD 109 - SAFETY, TOOL AND EQUIPMENT CERTIFICATION - 3.0 credits**

Participants receive state approved training in the safe operation of a traffic control (flagging) and powder-actuated tools. Students can receive certification in each of these areas. Students earn the Industrial First Aid/CPR & AED certification, which includes general principles of first aid, medical emergencies, injury emergencies, environmental emergencies, blood borne pathogens and safety precautions. This course includes OSHA 10 certifications. Upon completion of written exam and skills evaluation, an AHA card is issued. The Industrial First Aid/CPR & AED certification is approved by OSHA and WISHA (Labor and Industries).

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 29 Enrolled / 11 Seats Available	
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$10.00 Per Credit -SUPPLY FEE \$10/CR ; \$12.00 Per Course -ONLINE ELEARNING FEE	Open 29 Enrolled / 11 Seats Available	

WORKFORCE & TRADES

**WTD 168 - TRADES MATH I - 4.0 credits**

This course is taught with a vocational emphasis to develop and deepen students' conceptual understanding of mathematics by their chosen CTP pathway, and to develop proficiency in problem-solving with whole numbers, fractions, decimals, and percents. Students are introduced to Ohm's Law and basic electrical math principles. Students study ratio and proportion, geometry, and basic algebra as applied to construction trades.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 30 Enrolled / 10 Seats Available	
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 30 Enrolled / 10 Seats Available	



WORKFORCE & TRADES

WTD 175 - COMMUNICATION FOR TRADES - 1.0 credits

Introduction to the communication skills needed in the construction, maintenance, and manufacturing trades. Students will develop team work and industry communication skills.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 31 Enrolled / 9 Seats Available	
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 31 Enrolled / 9 Seats Available	

WORKFORCE & TRADES

WTD 180 - HUMAN RELATIONS FOR TRADES - 2.0 credits

Introduction to the communication skills needed to locate, interview for, and negotiate employment in the construction, maintenance, and manufacturing trades. Human relations in the workplace are covered under such topics as goal setting, time management, sexual harassment prevention, and effective communication. Students develop a job search plan, resume, and cover letter.

Item#	Days	Time	Location	Date	Delivery	Instructor	Fees	Status	Note
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 31 Enrolled / 9 Seats Available	
	ARRANGED	ARR-ARR	ONLINE	Sep 21 - Dec 10	ONLINE	MULLINS-SUSS	\$12.00 Per Course -ONLINE ELEARNING FEE	Open 31 Enrolled / 9 Seats Available	

- [Register & Enroll](#)
- [Find Books](#)
- [Check Tuition & Fees](#)
- [Apply for Financial Aid](#)
- [Plan with Degree Audit](#)
- [View College Catalog](#)

\*Where are the Item #s? If you cannot see the Item #, they are intentionally not published. Please contact Enrollment Services or your instructor to get the Item #s that you need.

†Course Fees are fees that are related to a particular course. They do not include tuition, fees associated with tuition, admission fees, application fees, book costs, or other costs not related to the course. They typically include lab fees, supply fees, or pass through fees. For more information on tuition and fees, please visit the Tuition and Fees web page.

‡The Status of the class is refreshed once a day. For most up-to-date information, please contact Enrollment Services.

Information

- [Campus Security](#)
- [College Technology Services \(CTS - IT\)](#)
- [Employment](#)
- [Non-Discrimination Policy](#)
- [Public Records Request](#)
- [Report an Incident or Concern](#)
- [Rule-Making](#)

Contact

- [Employee Directory](#)
- [Questions? Use AskRTC!](#)
- [Campus Maps](#)
- [Washington Relay Service](#)  
(425) 235-2352
- 3000 NE 4th St.  
Renton, WA 98056

Website

- [Accessibility](#)
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- [Washington Relay Service](#)



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