

Fall 2013 Class Schedule

Accounting

ACCT 105 Introduction to Accounting 5

This course provides the student with an introductory level understanding of the fundamentals of bookkeeping and accounting. The student is provided the procedures for completing the accounting cycle for both a service entity and a merchandising entity within a single proprietorship. Tech Prep credit available.

1000 01 MTWTh 09:15AM-10:20AM 1610 MICHIE L

ACCT&201 Prin of Accounting I 5

An introduction to the steps in the accounting cycle; accounting for merchandise; the adjusting process--deferrals and accruals; financial statements; cash transactions; receivables, inventories and internal controls. This course is the first in a three-course series designed for all accounting and business majors. Prerequisite: ACCT 105 highly recommended. SE

1011 01 MTWTh 10:30AM-11:35AM 1610 MICHIE L

1012 OL1 ARR ARR WILKS P

Online fee is \$10.

ACCT 261 Intro to Peachtree Accounting 1

Lab Fee: \$9.00

This course offers an introduction to Peachtree Accounting, one of the accounting software packages for small businesses. Basic functions and capabilities of the software will be reviewed in a hands-on environment. This course is designed for the student with little or no prior experience with Peachtree Accounting. Prerequisite: ACCT& 201 or prior experience in business or accounting.

1055 01 TTh 11:45AM-12:35PM 1602 WILKS P

Start & end date: 10/07/13 to 12/13/13

ACCT 262 Introduction to Quickbooks 1

Lab Fee: \$9.00

This course offers an introduction to QuickBooks, the nation's leading accounting software package for small businesses. Basic functions and capabilities of the software will be reviewed in a hands-on environment. This course is designed for the student with little or no prior experience with QuickBooks. Prerequisite: ACCT& 201 or prior experience in business or accounting recommended.

1060 01 TTh 11:45AM-12:35PM 1602 WILKS P

Start & end date: 10/07/13 to 12/13/13

Agriculture

AGR 241 Farm and Ranch Management 5

Lab Fee: \$10.00

Introduction to record keeping, economic concept application and analysis in the production agriculture business. Topics include goal setting, record process,

budgeting cash flow, depreciation, profit/loss, ratios, enterprise and investment analysis, partial budgeting and computer/spreadsheet use. Prerequisite: ECON 202

1118 OL1 ARR ARR STAFF

Online fee is \$10.

AGR 261 Plant Science 5

Develop an understanding of basic plant morphology and physiology emphasizing horticultural science and fruit tree crops. Topics include form and function of plants, plant metabolism, plant growth and development, reproduction, techniques of fruit tree improvement and plant/environment interaction.

1130 01I DAILY 11:00AM-12:00PM 1812 STAFF

AGR 295 Work-Based Learning 1- 6

This course provides students with a valuable and practical work experience in Agriculture. Learned agriculture topics from Agriculture curriculum will be applied to and enhance the work experience. This is a paid or volunteer experience that is a supervised position both by the employer and the Agriculture instructor. May be repeated up to twelve (12) credits. Prerequisite: Ag advisor permission; Co-requisite: AGR 297

1150 01 ARR ARR RASMUSSEN C

AGR 297 Work-Based Learning Seminar 1

This is a seminar course that covers topics related to Agriculture and its application to professional employment. Group discussion will be emphasized including current issues and trends. May be repeated up to six (6) credits. Prerequisite: AGR advisor permission.

1153 01 ARR ARR RASMUSSEN C

Anthropology

ANTH&100 Survey of Anthropology 5

An introduction to anthropology with a primary focus on cultural diversity of the human experience. The course surveys four subfields of Anthropology including sociobiology, anthropological linguistics, cultural anthropology, and applied anthropology. Major themes addressed throughout the course include cultural relativity, ethnocentrism, cultural change, the conflict between "foreign" anthropologist and "native" peoples, the role of anthropology in modern society, and anthropology as a "personal lens" of change. Students will complete a two part "field study", become familiar with The HRAF (human relations area file - a major electronic data base in Anthropology), and learn potential applications of becoming an anthropologist. Prerequisites: There are no prerequisites. Strongly recommended placement in MPC 095 or higher and placement in English 099 of higher. SS

1180 01 MTWTh 10:30AM-11:35AM 1609 HOLLIWAY D

Section 01: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

Art

ART 090 Pottery 0

Community Ed Fee: \$82.00

Experiments and design in clay applied to pottery and sculpture. Work in various hand construction methods and in pottery wheel, glazing and kiln firing.

1200 21 W 06:30PM-08:30PM 1908 JOHANSEN B

Start & end date: 09/25/13 to 12/04/13

ART& 100 Art Appreciation 5

A survey of the visual arts designed to develop appreciation and understanding for daily living and for discussing architecture, painting, sculpture, and other arts. Lectures, slides, movies, and experiments with Art media. Open to all students. HU

1208 01 MTWTh 11:45AM-12:50PM 1911 PALKOVIC R

ART 101 Design I 5

Lab Fee: \$8.00

An introduction to the study of the elements and principles of ART explored through various media in two dimensional problems. HP

1212 01 MTWTh 09:00AM-10:20AM 1911 PALKOVIC R

ART 104 Drawing I 5

Lab Fee: \$8.00

An introduction to drawing based on observation, emphasizing composition and form. HP

1227 01 MTW 10:30AM-12:30PM 1906 HAGEL S

1229 02 MW 01:00PM-03:50PM 1906 HAGEL S

ART 121 Ceramics I 2- 5

Lab Fee: \$28.00

Variable Credit Lab Fees are calculated at the highest rate

Experiments and design in clay applied to pottery and sculpture. Work in various hand construction methods, glazing and kiln firing. May be repeated for up to three quarters. Course may be audited with instructor's permission. HP

1238 01 MW 01:00PM-03:50PM 1908 PALKOVIC F

ART 122 Ceramics II 2- 5

Lab Fee: \$28.00

Experiments and design in clay applied to pottery and sculpture. Work in various hand construction methods and in pottery wheel, glazing and kiln firing. May be repeated for up to three quarters. Course may be audited with instructor's permission. Prerequisite: ART 121 HP

1243 01 MW 01:00PM-03:50PM 1908 PALKOVIC F

ART 123 Ceramics III 2- 5

Lab Fee: \$28.00

Experiments and design in clay applied to pottery and sculpture. Work in various hand construction methods and in pottery wheel, glazing and kiln firing. May be repeated for up to three quarters. Course may be audited with instructor's permission. Prerequisite: ART 122 HP

1248 01 MW 01:00PM-03:50PM 1908 PALKOVIC F

ART 218 Western Art: Impressionism to Art After 1945 5

A survey of the history of western art and architecture from late nineteenth century to contemporary times. HU

1268 01 MTWTh 10:30AM-11:35AM 1911 PALKOVIC F

ART 231 Oil Painting I 5

Lab Fee: \$25.40

Introduction to the materials and techniques of oil painting. Painting from still-life and nature as well as creative composition. HP

1288 01 TTh 01:00PM-03:50PM 1907 PALKOVIC R

ART 232 Oil Painting II 5

Lab Fee: \$25.40

Introduction to the materials and techniques of oil painting. Painting from still-life and nature as well as creative composition. Prerequisite: ART 231 HP

1293 01 TTh 01:00PM-03:50PM 1907 PALKOVIC R

ART 233 Oil Painting III 5

Lab Fee: \$25.40

Introduction to the materials and techniques of oil painting. Painting from still-life and nature as well as creative composition. Prerequisite: ART 232 HP

1298 01 TTh 01:00PM-03:50PM 1907 PALKOVIC R

Astronomy

ASTR&101 Intro to Astronomy 5

Lab Fee: \$18.00

A survey course intended for the non-science major. Topics studied will include most of the following: historical astronomy, electromagnetic radiation, telescopes, the Earth-Moon system, the solar system, the sun, stars, stellar evolution, galaxies, quasars and cosmology. The laboratory portion of the course may include optics, visual astronomical observing techniques, use of the telescope, spectroscopy, and distance measurement. Credit not granted for both ASTR& 100 and ASTR& 101. Prerequisite: MATH 095 or placement test. LS

1325 01 MTWTh 01:00PM-02:20PM 1217 HAMM J

Automotive Technology

AUT 111 Automotive Engine Service 9

Lab Fee: \$47.25

This course covers the theory of engine operation and the procedures necessary to perform automobile engine troubleshooting, repair and rebuilding. Topics covered include shop skills, engine operation, engine blocks, engine crankshafts, engine bearings, engine pistons, rings and valve system service. This course is designed to prepare the student for the ASE/NATEF Engine Repair Certification test.

Prerequisite/Co-requisite: AUT 115

1343 01 MTWTh 09:00AM-12:00PM 3308 WYNDER D

AUT 115 Automotive Shop Safety and Environmental Issues 1

Lab Fee: \$5.25

This course covers automotive shop safety rules, procedures, and shop equipment operation and is required before a student is allowed to work in the automotive laboratory. The proper handling, storage, and disposal of automotive related hazardous waste is also covered. Offered as regularly scheduled course during the fall quarter and offered by arrangement for students who enroll in the automotive program any other quarter.

1347 01 MTWTh 01:00PM-04:00PM 3308 WYNDER D

Start & end date: 09/23/13 to 09/26/13

AUT 131 Manual Drive Train and Axles 8

Lab Fee: \$42.00

This course covers the theory, operation, diagnosis and repair of automotive clutch systems, manual transmissions, manual transaxles, front and rear drive axle operation, various drive shaft configurations and the procedures necessary to perform power train troubleshooting and repair. This course is designed to prepare the student for the ASE/NATEF Manual Drive Train & Axles Certification test.

Prerequisite: AUT 115

1363 01 MTWTh 01:00PM-04:00PM 3308 WYNDER D

Start & end date: 09/30/13 to 12/13/13

AUT 190 Projects Laboratory 2

Lab Fee: \$10.50

This course is for full-time automotive students who need extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks not completed in the day classes. (May be repeated for credit up to six credits for each course; graded on pass/fail basis). Prerequisite: Concurrent enrollment in first or second year automotive program classes.

1370 21 M 05:30PM-09:15PM 3307 WYNDER D

AUT 220 Engine Performance 18

Lab Fee: \$94.50

This comprehensive course covers the theory and operation of various ignition systems, fuel delivery systems, emission controls, computerized engine controls, and the use of diagnostic test equipment. Classroom and laboratory lessons provide in-depth training using modern test equipment to diagnose and repair these complex systems. This course is designed to prepare students for the ASE/NATEF Engine Performance Test. Prerequisite: AUT 115 and AUT 121 or instructor permission.

1385 01 MTWTh 09:00AM-04:00PM 4103 O'KONEK M

AUT 290 Projects Laboratory 2

Lab Fee: \$10.50

This course is for full-time automotive students who need extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks not completed in the day classes. (May be repeated for credit up to six credits for each course; graded on pass/fail basis). Prerequisite: Concurrent enrollment in first or second year automotive program classes.

1398 21 T 05:30PM-09:15PM 3307 O'KONEK M

Aviation Commercial Pilot

AVF 111 Pre-Flight Ground School 1

This course introduces the student to the aircraft, its flight manual, the basic federal aviation regulations, elementary principles of flight, aircraft operations, and BBCC flight rules. This course starts the week prior to the normal class starting date. All students accepted and alternates must attend this course. Pre-program counseling is done at this time, and flight training is started. Prerequisite: Accepted flight student status.

1400 01 TWThF ARR 3015 SWEDBURG J

1401 02 TWThF ARR 3015 STAFF

AVF 112 Private Pilot Ground School 5

This course prepares the student to take the FAA private pilot knowledge examination. It includes elementary navigation, weather, federal aviation regulations, NTSB reporting procedures, radio procedures, AIM, advisory circulars, operating limitations, aircraft performance, principles of aerodynamics, power plants and systems, stall and spin awareness, ADM and judgment, preflight action and planning. Prerequisite: AVF 111 or Chief Pilot approval.

1405 21 MW 04:00PM-06:30PM 3015 MACDOUGALL J

1406 22 TTh 04:00PM-06:30PM 3015 SWEDBURG JM

AVF 131 Private Pilot Helicopter (Stage I) 4

Lab Fee: \$95.00

The student will be instructed in the basic flying procedures and skills necessary for the first solo flight in a helicopter. Prerequisite: possess a valid student Pilot Certificate and hold a current medical certificate originally issued as a Class I or II.

1422 01 ARR ARR 3001 STAFF

AVF 132 Private Pilot Helicopter Stage 2 4

Lab Fee: \$95.00

The student will continue development of flying skills to include solo flight, confined area operations, slope operations, night flying, and cross country navigation in a helicopter. Prerequisite: AVF 131

1423 01 ARR ARR 3001 STAFF

AVF 133 Private Pilot Helicopter Stage 3 4

Lab Fee: \$95.00

The student shall gain proficiency and skill in maneuvers and navigation to the level of the Private Pilot Helicopter Practical Test standards, and will complete certification requirements of the Private Pilot Certificate - Helicopter.

Prerequisite: AVF 132

1424 01 ARR ARR 3001 STAFF

AVF 141 Private Pilot Flight (Stage 1) 4

Lab Fee: \$95.00

Scheduled flight time, ground critique, discussions, and observation time; both dual and solo flights. Instrument flight training is integrated with all phases of flying. Includes simulator time.

1425 01 MTWTh ARR 3001 SWEDBURG J

AVF 142 Private Pilot Flight (Stage 2) 4

Lab Fee: \$95.00

Scheduled flight time, ground critique, discussions, and observation time; both dual and solo flights. Instrument flight training is integrated with all phases of flying. Includes simulator time. Prerequisite: AVF 141

1429 01 MTWTh ARR 3001 SWEDBURG J

AVF 143 Private Pilot Flight (Stage 3) 4

Lab Fee: \$95.00

Scheduled flight time, ground critique, discussions and observation time; both dual and solo flights. Instrument flight training is integrated with all phases of flying. Includes simulator time. Prerequisite: AVF 142

1433 01 MTWTh ARR 3001 SWEDBURG J

AVF 190 Flight (Alternate) 4

Lab Fee: \$95.00

Provides additional aircraft flight time to allow the student additional time to increase his/her skill or complete a course of study. Includes flight time and follow-up critique. Prerequisite: AVF 141

1437 01 MTWTh ARR 3001 SWEDBURG J

AVF 223 Instrument Ground School 5

Preparation for FAA instrument knowledge examination, includes: FAR's that apply to IFR; appropriate sections of AIM; air traffic control system and procedures; IFR navigation systems and instruments; use of en route and instrument approach charts, aircraft operations under IFR; procurement and use of aviation weather reports and forecasts, recognition of critical weather situations and wind shear avoidance, ADM and judgment, and CRM. Prerequisite: AVF 113 and AVF 114.

1454 21 TTh 04:10PM-06:40PM 3016 CRANE G

AVF 225 Effective Communications in Flight Instruction 5

This course covers the required areas of instructor knowledge, and is designed to aid the student in passing the appropriate FAA knowledge tests. It includes the learning process and emphasizes elements of effective communication. Methods of teaching and communicating are studied and practiced, as well as how to evaluate and critique through written and oral processes. Includes practice in classroom, one-to-one, and team teaching. Prerequisite: AVF 221, AVF 223, & 252 or Chief Pilot approval.

1459 21 MW 04:10PM-06:40PM 3016 CRANE G

AVF 227 Aircraft Systems For Pilots 5

Introduces the systems of complex aircraft: fuel, hydraulic, brake, control, ignition, and electrical systems; covers nomenclature, preventive maintenance, engines, propellers, and related publications.

1464 21 MW 04:00PM-06:30PM 3024 STAFF

AVF 231 Commercial Pilot Helicopter (Stage 4) 4

Lab Fee: \$95.00

The student shall gain proficiency and skill in commercial pilot scenarios and build additional cross country flight experience in a helicopter Prerequisite(s): Concurrent enrollment in instrument and commercial course required. Students enrolling in this flight course must possess a valid private pilot certificate rotorcraft-helicopter and hold a current medical certificate originally issued as a class I or II.

1468 01 ARR ARR 3001 STAFF

AVF 232 Commercial Pilot Helicopter (Stage 5) 4

Lab Fee: \$95.00

The student will continue to develop the aeronautical skill and experience necessary to meet the requirements for the Commercial Pilot Certificate with a Rotorcraft category rating. Prerequisite: AVF 231

1469 01 ARR ARR 3001 STAFF

AVF 251 Commercial Pilot Flight (Stage 4) 4

Lab Fee: \$95.00

Scheduled flight time, ground critique, discussion and observation time, dual, solo, cross-country, and instrument. Includes simulator time. Prerequisite: AVF 143

1470 01 MTWTh ARR 3001 SWEDBURG J

AVF 252 Commercial Pilot Flight (Stage 5) 4

Lab Fee: \$95.00

Scheduled flight time, ground critique, discussion and observation time; dual, solo, cross-country, instrument, and complex aircraft time. Includes simulator time. Prerequisite: AVF 251

1474 01 MTWTh ARR 3001 SWEDBURG J

AVF 253 Commercial Pilot Flight (Stage 7) 4

Lab Fee: \$95.00

Scheduled flight time, ground critique, discussion and observation time; dual, solo, and cross-country time. Includes 28 hours simulator time upon program completion.
Prerequisite: AVF 261

1478 01 MTWTh ARR 3001 SWEDBURG J

AVF 254 Night Flying 1

Provides an introduction to night flying and advanced instruction in night navigation, procedures, orientation, landings, takeoffs and techniques necessary for safe operation of airplanes at night. Prerequisite: AVF 142

1482 21 MTWTh ARR 3001 SWEDBURG J

AVF 261 Instrument Flight (Stage 6) 4

Lab Fee: \$95.00

Provides training in instrument flight procedures in preparation for the airplane instrument rating; includes simulator training. Prerequisite: AVF 252

1487 01 MTWTh ARR 3001 SWEDBURG J

AVF 270 Flight Instructor 4

Preparation for the Certified Flight Instructor rating; includes flight time and critique. Prerequisite: Commercial license and instrument rating and Chief Pilot approval.

1492 01 MTWTh ARR 3001 SWEDBURG J

AVF 271 Flight Instructor Instrument - Airplane 2

Provides the Flight Instructor applicant with the knowledge, skill and experience necessary to become an Instrument Instructor; includes flight time and critique. Prerequisite: Commercial/Instrument license, CFI single engine license and 10 hours as CFI with FII written passed and Chief Pilot approval.

1495 01 MTWTh ARR 3001 SWEDBURG J

AVF 272 Seaplane Flight 2

A dual flight lab course designed to develop flight skills in water operations and procedures, along with flight maneuvers in preparation for the FAA Seaplane Rating; includes flight time and critique. Prerequisite: Commercial Pilot Certificate or Chief Pilot approval.

1498 01 MTWTh ARR 3001 SWEDBURG J

AVF 275 Multi-Engine Flight Lab 2

Preparation for the FAA Multi-Engine rating. Prerequisite: Commercial Pilot Certificate and Chief Pilot approval.

1504 01 MTWTh ARR 3001 SWEDBURG J

AVF 276 Simulator Training/Instrument Training .5- 1

Designed to fit the individual and particular needs of each pilot in Instrument Training, refresher or FAA currency requirements. Prerequisite: Instructor approval.

1507 01 MTWTh ARR 3002 SWEDBURG J

AVF 290 Flight (Alternate) 4

Lab Fee: \$95.00

Provides additional aircraft flight time to allow the student additional time to increase his/her skill or complete a course of study. Includes flight time and follow-up critique. Prerequisite: AVF 141.

1512 01 MTWTh ARR 3001 SWEDBURG J

AVF 291 Multi-Engine - Instructor 2

Preparation for the FAA Multi-Engine Flight Instructor rating. Prerequisite: Commercial Airplane with Instrument rating, Multi-Engine Land ratings, Flight Instructor Single Engine.

1517 01 MTWTh ARR 3001 SWEDBURG J

Aviation Maintenance

AMT 148 AMT General Electricity 1- 7

Variable Credit Lab Fees are calculated at the highest rate

This course covers the theory of basic electricity and applied Physics. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1548 01 MTWTh ARR 3200 DANNENBERG K

AMT 150 AMT General 4-12

Lab Fee: \$138.00

Variable Credit Lab Fees are calculated at the highest rate

This course will cover aviation applied physics, application of aircraft drawing, function of weight and balance control, operation and cleaning of aircraft, identification and application of aircraft materials. The use of maintenance forms and publications in the aviation industry. This course is approved under FAA Part 147. Prerequisite: instructor approval.

1558 01 MTWTh ARR 3200 DANNENBERG K

AMT 151 Airframe Mechanic I 4-22

Lab Fee: \$253.00

Variable Credit Lab Fees are calculated at the highest rate

This course will cover aircraft airframe structures, including wood, fabric and sheet metal, airframe inspection, application of finishes and assembly of fixed wing and rotary wing components and structures, balancing and rigging of airframe structures and components. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1563 01 MTWTh ARR 3200 BORG C

AMT 152 Airframe Mechanic II 4-21

Lab Fee: \$241.50

Variable Credit Lab Fees are calculated at the highest rate

This course will cover aircraft airframe systems and components. To provide the skills in checking, overhaul, repairs, installation, removal, servicing, inspection, and troubleshooting of landing gear systems, hydraulic and pneumatic power systems, cabin atmosphere control systems, aircraft instruments, communication and navigation system lab, aircraft fuel systems, aircraft electrical systems, position and warning systems, ice and rain control systems, and fire protection systems. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1568 01 MTWTh ARR 3200 BORG C

AMT 153 Airframe Mechanic III 4-24

Lab Fee: \$276.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the airframe program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. AMT 153 is designed to allow students more time to achieve FAA required proficiency levels and to allow students to further their proficiency levels in aviation airframe related studies. This course will cover any area of the FAA required airframe curriculum that the student is deficient in, or if all required competencies have been met, the student may further their proficiency levels in any airframe related area of study. This course is FAA approved under 14 CFR part 147. Prerequisite: AMT 150, 151, 152, MAP 100 and instructor approval.

1573 01 MTWTh ARR 3200 BORG C

AMT 251 Powerplant Mechanics I 4-16

Lab Fee: \$184.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. There is approximately 30 hours of extra time at the end of the Powerplant program, which is to be used for make-up time or for further competency enhancement. This course is FAA approved under 14 CFR Part 147. This course will cover two areas:

1. Powerplant theory and maintenance, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engines.

2. Powerplant systems and components, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engine instrument, fire protection, electrical, lubrication, ignition, starting, fuel metering, induction, airflow, cooling, exhaust, propellers, unducted fans, and auxiliary power unit systems. Prerequisite: Instructor permission

1583 01 MTWTh ARR 3200 MOORE D

AMT 252 Powerplant Mechanics II 4-14

Lab Fee: \$161.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a

class room environment and 75% of the instruction in a lab environment. There is approximately 30 hours of extra time at the end of the Powerplant program, which is to be used for make-up time or for further competency enhancement. This course is FAA approved under 14 CFR Part 147. This course will cover two areas:

1. Powerplant theory and maintenance, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engines.
2. Powerplant systems and components, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engine instrument, fire protection, electrical, lubrication, ignition, starting, fuel metering, induction, airflow, cooling, exhaust, propellers, unducted fans, and auxiliary power unit systems. Prerequisite: Instructor permission

1588 01 MTWTh ARR 3200 MOORE D

AMT 253 Powerplant Mechanics III 4-16

Lab Fee: \$184.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. There is approximately 30 hours of extra time at the end of the Powerplant program, which is to be used for make-up time or for further competency enhancement. This course is FAA approved under 14 CFR Part 147. This course will cover two areas:

1. Powerplant theory and maintenance, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engines.
2. Powerplant systems and components, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engine instrument, fire protection, electrical, lubrication, ignition, starting, fuel metering, induction, airflow, cooling, exhaust, propellers, unducted fans, and auxiliary power unit systems. Prerequisite: Instructor permission

1593 01 MTWTh ARR 3200 MOORE D

AMT 254 Powerplant Mechanic IV 4-16

Lab Fee: \$184.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. AMT 254 is designed to allow students more time to achieve FAA required proficiency levels and to allow students to further their proficiency levels in aviation Powerplant related studies. This course will cover any area of the FAA required Powerplant curriculum that the student is deficient in, or if all required competencies have been met, the student may further their proficiency levels in any Powerplant related area of study. This course is FAA approved under 14 CFR Part 147. Prerequisite: AMT 251, 252, 253 and instructor permission.

1598 01 MTWTh ARR 3200 MOORE D

Biology

BIOL&100 Survey of Biology 5

Lab Fee: \$18.00

A study of basic biological principles common to all organisms. This course is intended for non-majors who desire a lab science requirement. Topics of study include: basic chemistry of cells, cell structure and function, membrane transport, cell metabolism and division, genetics and gene function, evolution, and ecology. Related investigations take place in a required two-hour lab period each week. There will be no required dissections in the laboratory. LS

1600 01 TWTh 11:45AM-12:50PM 1252 STAFF

Lab M 10:30AM-12:30PM 1211 STAFF

1602 02 TWTh 01:00PM-02:05PM 1252 STAFF

Lab M 01:00PM-03:00PM 1211 STAFF

1604 21 TW 06:00PM-07:50PM 1252 STAFF

Lab M 06:00PM-08:00PM 1211 STAFF

BIOL&211 Majors Cellular 5

Lab Fee: \$18.00

An introduction to basic cell chemistry, structure, communication, transport, energetics, metabolism, division, genetics, molecular genetics, and evolution. This course is intended for students pursuing careers in the allied health fields and satisfies the biology prerequisite for A&P 1 (BIOL& 241) and Microbiology (BIOL& 260). Math/Science distribution requirement may not include more than 5 credits from BIOL& 211 and BIOL& 222, although graduation credit can be awarded for both. Related investigations take place in a two-hour lab period each week.

Prerequisite(s): A minimum grade of 2.0 in CHEM& 121 (or recent high school chemistry with a B or better, or instructor permission) required. High school biology highly recommended. Note: A minimum grade of 2.0 in this class is required for entry into BIOL& 241 and BIOL& 260.

1610 01 MTTh 09:15AM-10:20AM 1721 HALEY G

Lab W 09:15AM-11:15AM 1211 HALEY G

1612 02 MTWTh 11:45AM-12:35PM 1250 DUVALL K

Lab W 01:00PM-03:00PM 1211 DUVALL K

1613 03H ARR ARR DUVALL K

Lab W 01:00PM-03:00PM 1211 DUVALL K

Section 03H: Students view daily class lectures and submit assignments online, but students must attend weekly scheduled laboratory sessions and take arranged exams on campus. Online fee is \$10.

BIOL&221 Majors Ecology/Evolution 5

Lab Fee: \$18.00

The first quarter in a three-quarter general biology series, this series is designed for life-science majors, pre-professional students, and for students intending to take advanced courses in the biological sciences. Topics of study include: evolution, adaptation, population genetics, speciation, phylogenies, molecular evolution, biodiversity of life forms, ecology, biogeography, and conservation biology. Related investigations take place in a three-hour lab period each week.

NOTE: This majors' biology sequence may be taken in the following order: BIOL& 222, 223, and 221, with instructor's permission. Prerequisite(s): Successful completion

of either CHEM& 121 or CHEM& 161 with a 2.0 or better or concurrent enrollment in CHEM& 121 or CHEM& 161. Recent high school biology or BIOL& 100 strongly recommended. LS

1615 01 MTWTh 09:15AM-10:05AM 1910 DUVALL K

Lab Th 02:15PM-05:15PM 1211 DUVALL K

1616 02H ARR ARR DUVALL K

Lab Th 02:15PM-05:15PM 1211 DUVALL K

Section 02H: Instructor permission required. Students view daily class lectures and submit assignments online, but students must attend weekly scheduled laboratory sessions and take arranged exams on campus. Online fee is \$10.

BIOL&241 Human A & P 1 5

Lab Fee: \$18.00

An analysis of the structure and function of human skeletal, muscular, nervous and endocrine systems as well as the role of receptor-ligand interactions and introductory histology. Emphasis will be given to the homeostatic relationships between systems. Four hours of lab per week will be devoted to hands-on experience with required cat dissection as well as computer analysis of muscle physiology. Tissue slides, models and skeletons will be utilized. Lab is required for credit. Prerequisite(s): Students may qualify for BIOL& 241 in any one of the following ways: 1) a grade of 2.0 or better in BIOL& 211 or BIOL& 222 and in CHEM& 121 or above, or a transcript from another college for those classes 2) a year of high school Anatomy and Physiology and Chemistry within the last 2 years with a grade of B or better. 3) a score of 3 or better in Advanced Placement Biology AND a year of high school Chemistry within the last 2 years with a B or better OR instructor permission

1630 01 MW 01:00PM-02:15PM 1250 JACOBS B

Lab MW 02:30PM-04:30PM 1209 JACOBS B

1632 02H ARR ARR JACOBS B

Lab MW 02:30PM-04:30PM 1209 JACOBS B

Section 02H incorporates both traditional class time and a distance education component. Students attend weekly laboratory sessions and take tests on campus; class lectures and assignments are accessed online. Online fee is \$10.

BIOL&260 Microbiology 5

Lab Fee: \$18.00

A survey of microbes and their activities. Emphasis will be given to the areas of bacteriology, immunology and virology. Four hours of lab per week are required for credit. Labs will deal with the culture and identification of organisms (including throat, stool, and viral cultures), as well as genetic transformation and ELISA testing for HIV. Prerequisite(s): Students may qualify for BIOL& 260 in any one of the following ways: 1) a grade of 2.0 or better in BIOL& 211 or BIOL& 222 and in CHEM&121 or above, or a transcript from another college for those classes 2) a year of high school Anatomy & Physiology and Chemistry within the last 2 years with a grade of B or better 3) a score of 3 or better in Advanced Placement Biology and a year of high school Chemistry within the last 2 years with a B or better OR instructor permission. LS

1642 01 TTh 09:15AM-10:30AM 1250 JACOBS B

Lab TTh 10:40AM-12:40PM 1209 JACOBS B
1643 02H ARR ARR JACOBS B
Lab TTh 10:40AM-12:40PM 1209 JACOBS B

Section 02H incorporates both traditional class time and a distance education component. Students attend weekly laboratory sessions and take tests on campus; class lectures and assignments are accessed online. Online fee is \$10.

Business

BUS& 101 Intro to Business 5

An introductory analysis of the business world including aspects of finance, industrial stocks and bonds, commodities and foreign exchange, unions and the labor movement, managerial control, decision making and personnel relations. SE

1700 01 MTWTh 08:00AM-09:05AM 1610 MICHIE L

BUS 102 Business Mathematics 5

Applications of quantitative reasoning and logic in business through a study of banking, discounts, commissions, markup, promissory notes, interest, taxes, insurance, payroll, depreciation and financial statements. Prerequisite: Successful completion of MATH 090 or BCC math placement score into MATH 095 or above.

1705 01 MTWTh 01:00PM-02:05PM 1610 STAFF

BUS 114 Business Ethics 5

Studying and analyzing ethical issues facing today's business employers and employees and identifying various approaches available when dealing with or resolving ethical issues.

1712 01H TTh 10:30AM-11:35AM 1612 WILLINGHAM T

This is a hybrid course. Students need to have access to a good, reliable Internet connection. Class will meet on Tuesdays and Thursdays from 10:30-11:35 a.m. each week. Online fee is \$10.

BUS 120 Human Relations on the Job 4

Practical application oriented study of interpersonal skills and attitudes necessary to work with others. Topics included are: maintaining professionalism, adapting/coping with change and stress, work ethics, motivation, conflict resolution, team work and customer relations. Prerequisite: Placement in ENGL 099 or above.

1720 01 MTWTh 08:00AM-08:50AM 1601 AUVIL JOE

1722 OL1 ARR ARR STAFF

Online fee is \$10.

BUS 122 Business Communications 5

This course promotes the development of business communication skills which include reading, writing, listening, speaking, and interacting within groups. Special emphasis is given to the creation of day-to-day business documents, such as letters, memos, reports and emails. Prerequisite: BUS 121 or ENGL& 101

1736 01H MW 10:30AM-11:35AM 1612 BERRY-GUERIN

This is a hybrid course. Students need to have access to a good, reliable Internet connection. Class will meet on Monday and Wednesday from 10:30-11:35 a.m. each week. Online fee is \$10.

BUS& 201 Business Law 5

This course provides an introduction to the nature and sources of law and overview of law typically relating to the operation of businesses from the point of view of owners, managers, employees, customers, and suppliers with an emphasis on contracts and sales.SE

1770 01 MTWTh 01:00PM-02:05PM 1609 MICHIE L

Business Information Management

BIM 101 Basic Keyboarding 2

Lab Fee: \$17.20

This course gives emphasis to learning the keyboard; namely, the alphabet and the numbers and symbols.

1795 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation & evaluation: September 23, 24, or 25, and October 7, 8, and 9, and November 4, 5, or 6. The BIM classroom hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm, and Friday 10:00am-12:00pm.

1796 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required on the following days for orientation & evaluation: October 14, 15, and 16, and October 29, 30, or 31, and December 3, 4, and 5. The BIM classroom hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm, and Friday 10:00am-12:00pm.

BIM 102 Document Formatting 1- 4

Lab Fee: \$34.40

Variable Credit Lab Fees are calculated at the highest rate

This course gives primary emphasis to the formatting of business documents using Microsoft Word. Prerequisite: Keyboarding skills.

1802 01 MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course that requires some attendance. Attendance is required for orientation by September 25. The BIM classroom hours are Mon-Thur 8:00-11:30am and 1:00-4:30pm, Tues & Wed 5:00-7:00pm, and Fri 10:00am-12:00pm.

BIM 104 Intermediate Keyboarding 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course focuses on the improvement of speed and accuracy. Prerequisite: BIM 101 or keyboarding skills.

1814 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by September 25. The BIM classroom hours are Mon-Thur 8:00-11:30am and 1:00-4:30pm, Tues & Wed 5:00-7:00pm, and Fri 10:00am-12:00pm.

1815 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by October 16. The BIM classroom hours are Mon-Thur 8:00-11:30am and 1:00-4:30pm, Tues & Wed 5:00-7:00pm, and Fri 10:00am-12:00pm.

BIM 106 Advanced Keyboarding 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course gives emphasis to improving keyboarding speed and accuracy. Prerequisite(s): BIM 104

1817 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by September 25. The BIM classroom hours are Mon-Thur 8:00-11:30am and 1:00-4:30pm, Tues & Wed 5:00-7:00pm, and Fri 10:00am-12:00pm.

1818 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by October 16. The BIM classroom hours are Mon-Thur 8:00-11:30am and 1:00-4:30pm, Tues & Wed 5:00-7:00pm, and Fri 10:00am-12:00pm.

BIM 109 Internet Communications 1

Lab Fee: \$8.60

This course will teach the functions of email communications and the fundamental use and sharing of Web Applications.

1823 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by September 25. The BIM classroom hours are Mon-Thur 8:00-11:30am and 1:00-4:30pm, Tues & Wed 5:00-7:00pm, and Fri 10:00am-12:00pm.

1824 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by October 16. The BIM classroom hours are Mon-Thur 8:00-11:30am and 1:00-4:30pm, Tues & Wed 5:00-7:00pm, and Fri 10:00am-12:00pm.

BIM 110 Microsoft Office 2010 Essentials 3

Lab Fee: \$10.00

This course is an introduction to Microsoft Office Suite 2010. This course is not intended for Business Information Management majors. Credit cannot be earned in both BIM 110 and BIM 108.

1825 OL1 ARR ARR BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. A web cam is required for this course. Log into your course site and Big Bend email by the first day of class for further instruction. Fee is \$10.

1827 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 111 Introduction to Computers in the Medical Office 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course covers the general flow of information in a medical office and the role that computers play. Students will learn how to use medical office software for activities such as entering data, billing, filing claims, scheduling, and printing reports. Prerequisite: basic computer skills.

1828 01 MTWTh ARR 1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 112 Proof & Edit 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course gives students the opportunity to learn different proofreading techniques and then emphasizes practice using those techniques. Prerequisite: BUS 121, BIM 102.

1830 01H MTWTh ARR 1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 130 Filing 1- 2

Lab Fee: \$17.20

Variable Credit Lab Fees are calculated at the highest rate

This course introduces basic filing rules for alphabetic, numeric, subject, and geographic filing.

1850 01H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

1852 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 173 Word Processing I 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This course is an in-depth introduction to Microsoft Word 2010. The focus is to learn functions of Word, to apply these functions to business situations, and begin preparing students for the Microsoft Application Specialist exam. Tech Prep credit available. Prerequisite: BIM 102 or instructor approval.

1860 01H MTWTh ARR 1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

1861 OL1 ARR ARR

BERRY-GUERIN

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. A web cam is required for this course. Log into your course site and Big Bend email by the first day of class for further instruction. Fee is \$10.

BIM 177 Office Information Management Lab 1- 6

Lab Fee: \$51.60

Variable Credit Lab Fees are calculated at the highest rate

This course allows individual study in one of the business information management subject areas. Study and credit hours determined at the time of enrollment by the instructor. Prerequisite: instructor approval.

1866 01 MTWTh ARR

1613 BERRY-GUERIN

The BIM classroom hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm, and Friday 10:00am-12:00pm.

BIM 180 Introduction to Microsoft Office 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This course is an introduction to the basic functions of Microsoft Office 2010. This course consists of five modules - Word, Excel, Access, PowerPoint, and Integration. This course is intended for Business Information Management and Accounting students. Prerequisite: BIM 102 or OFF102 and successful completion of MATH 090 or BBCC placement exam into MATH 095 or higher.

1870 01H MTWTh ARR

1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 181 Introduction to Microsoft Office: Word 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course provides a brief introduction to Microsoft Word. It is not intended for Business Information Management Program students.

1875 OL1 ARR ARR

BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. A web cam is required for this course. Log into your course site and Big Bend email by the first day of class for further instruction. Fee is \$10.

1877 02H MTWTh ARR

1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 182 Introduction to Microsoft Office: Excel 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course provides an introduction to Microsoft Excel 2010. It is not intended for Business Information Management Program students. Prerequisite: Successful completion of MATH 090 or BBCC placement exam into MATH 095 or higher.

1880 OL1 ARR ARR BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. A web cam is required for this course. Log into your course site and Big Bend email by the first day of class for further instruction. Fee is \$10.

1881 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 183 Introduction to Microsoft Office: Access 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course provides a brief introduction to Microsoft Access. It is intended for students not majoring in the Business Information Management Program

1885 OL1 ARR ARR BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. A web cam is required for this course. Log into your course site and Big Bend email by the first day of class for further instruction. Fee is \$10.

1886 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 184 Introduction to Microsoft Office: PowerPoint 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course gives a brief introduction to Microsoft Access. It is intended for students not majoring in the Business Information Management Program

1890 OL1 ARR ARR BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. A web cam is required for this course. Log into your course site and Big Bend email by the first day of class for further instruction. Fee is \$10.

1891 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 210 Internet 1- 2

Lab Fee: \$17.20

Variable Credit Lab Fees are calculated at the highest rate

This course will teach the functions of accessing Internet.

1920 01H ARR ARR 1613 BERRY-GUERIN

Start & end date: 09/23/13 to 11/07/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

1921 02H ARR ARR 1613 BERRY-GUERIN

Start & end date: 10/14/13 to 12/10/13

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

BIM 220 Desktop Publishing 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This course is designed to create and produce documents such as announcements, newsletters, brochures, and fliers using Microsoft Publisher. Prerequisite: BIM 180 or instructor approval. Prerequisite: OFF180 or BIM 180

1925 01H MTWTh ARR 1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

1926 OL1 ARR ARR BERRY-GUERIN

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. A web cam is required for this course. Log into your course site and Big Bend email by the first day of class for further instruction. Fee is \$10.

BIM 280 Advanced Microsoft Office 1- 5

Lab Fee: \$43.00

Variable Credit Lab Fees are calculated at the highest rate

This course is a continuation of BIM180 and introduces the advanced features and integration capabilities of Microsoft Office 2010. This course consists of five modules--Word, Excel, Access, PowerPoint, and completion of an Integrated Project. Prerequisite: OFF 180 or BIM 180 and successful completion of BUS 102-Business Mathematics, BBCC placement exam into MATH 099 or higher, or successful completion of MATH 095

1942 01H MTWTh ARR 1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check your Big Bend email the first day of class for further instruction. Attendance in Room 1613 is required for all testing. Room 1613 hours are Monday-Thursday 8:00-11:30am and 1:00-4:30pm, Tuesday & Wednesday 5:00-7:00pm & Friday 10:00am-12:00pm.

Chemistry

CHEM&105 Chemical Concepts 5

This course is intended for non-science majors. The focus is on fundamental topics of chemistry such as; atoms and molecules, periodic table, organic chemistry, biochemistry, and radioactivity as they relate to current society. This class is intended to increase chemical literacy to better prepare students to be informed citizens. This class can also serve as preparation for students with a limited chemistry background planning to continue on to CHEM& 121. Prerequisite: Passing grade in MATH 090 or placement in MATH 095 NS

1950 01 MTWTh 09:15AM-10:20AM 1219 PETERSON J

CHEM&121 Intro to Chemistry 5

Lab Fee: \$18.00

This course is designed for the allied health students. In addition, this class serves students wanting an introductory chemistry course prior to the full year CHEM& 161, 162, 163 sequence. Topics include basic chemical vocabulary, atomic structure, stoichiometry, periodic behavior of elements and compounds, gases, liquids, solids, solutions, water and equilibria. The course includes 22 hours of

laboratory. Laboratory exercises are designed to reinforce classroom learning as well as providing hands on experience with chemical reactions. Relevance of course material to current practices in chemistry is a fundamental focus. Prerequisite(s): Passing grade in MATH095 or placement in MATH099. A passing grade in high school chemistry or completion of CHEM& 105 or CHEM& 110 is recommended. LS

1965 01 MTWTh 09:15AM-10:05AM 1218 STAFF

Lab M 02:15PM-04:15PM 1216 STAFF

1967 02 MTWTh 10:30AM-11:20AM 1218 STAFF

Lab T 02:15PM-04:15PM 1216 STAFF

CHEM&161 General Chem w/Lab I 5

Lab Fee: \$18.00

The first quarter in a three-quarter series examining the principles of General Chemistry with the primary emphasis on inorganic chemistry. This series is designed for physical science majors, pre-medical, pre-veterinary and pre-pharmacy students, and for students who are required to take one or more quarters of majors-level chemistry. Topics include matter and measurements, atoms, molecules and ions, chemical formulas, chemical reactions and equations, electronic structure of atoms and periodic properties of elements. Relevance of course material to current practices in chemistry is a fundamental focus. Prerequisite(s): Appropriate scores in the BBCC Mathematics Assessment or successful completion of MATH099 or MATH 091,092, 093. A passing grade in High School Chemistry or completion of CHEM& 121 recommended. LS

1985 01 MTTh 11:45AM-12:50PM 1218 PETERSON J

Lab W 11:45AM-02:45PM 1216 PETERSON J

1986 02 MTTh 01:00PM-02:05PM 1218 PETERSON J

Lab W 03:00PM-06:00PM 1216 PETERSON J

College Success Skills

CSS 100 College Survival Skills 3

A participant in this class will learn to be a more efficient, productive learner. The participant's individual learning style and personality type are identified. Areas of consideration and study include: time management; stress management; listening skills; note taking; memory; mnemonics; reading retention and comprehension; test-taking; test anxiety; math anxiety; the writing process; critical thinking, active learning, and values clarification.

2016 01 MTW 08:00AM-08:50AM 1855A STAFF

2017 02 MTW 08:00AM-08:50AM 1202 STAFF

2018 03 MTW 09:15AM-10:05AM 1702 STAFF

2019 04 MTW 09:15AM-10:05AM 1611 STAFF

2020 05 MTW 10:30AM-11:20AM 1910 STAFF

2021 06 MTW 11:45AM-12:35PM 1856 STAFF

2022 07 MTW 11:45AM-12:35PM 1609 STAFF

2023 08 MTW 01:00PM-01:50PM 1608 STAFF

2025 09 MTW 01:00PM-01:50PM 1606 STAFF

2027 OL1 ARR ARR STAFF

Online fee is \$10.

2028 OL2 ARR ARR STAFF

Online fee is \$10.

CSS 102 Focus on Success 3

Lab Fee: \$10.00

In this class, students will explore many of the non-academic factors that impact success in college. Increased awareness and practical application will be the logical outgrowth of work in the following areas: career and college course choices; relationships; diversity; values; stress management; substance abuse; sexual decisions; and diet and exercise. In addition, students will develop basic computer literacy as they explore the non-academic factors through a basic understanding of personal computers, word processing operations, email, and use of the internet.

2055 OL1 ARR ARR HAMMOND D

Online fee is \$10.

CSS 104 Introduction to Computer Literacy 3

This course will provide the student with an introduction to computer operations, file management, e-mail, applications, the Internet, and BCC technology. The course will provide an overview of skills a student should possess before taking an online class. The course is not intended to teach keyboarding or computer applications such as Microsoft Office.

2060 21H W 06:00PM-07:00PM 1802 DELEON J

Orientation September 25 from 6:00-8:00 p.m. This class combines online and on ground instruction. For every hour of in class instruction students are expected to complete two additional hours of instruction online. Online fee is \$10.

Commercial Driver's License

CDL 090 CDL Skill Improvement 1

Lab Fee: \$121.53

Extra driving time and instruction to enhance student's driving skills and/or update their qualification for testing. This is an open enrollment course offered throughout each quarter. May be repeated for credit; graded on pass-fail basis. Prerequisite: instructor approval.

2065 01 ARR 07:30AM-04:00PM 1534 MILLER/GARZA

CDL 100 Commercial Driver's License (CDL) 17

Lab Fee: \$2918.44

This course provides classroom study, driving instruction and experience. The course prepares students for the CDL driving examination and entry level employment. Prerequisite: Completed Commercial Driver's License (CDL) Program Application with supporting documents.

2070 01 DAILY 07:30AM-04:00PM 1534 MILLER/GARZA

For application contact Randy Miller at 793.2295 or Julia Gamboa at 793.2045.

Communications

CMST&102 Intro to Mass Media 5

Provides an overview and survey of mass communications media, including history, organization, operation and control, theory, analysis, social functions, and new technology. Emphasis is on study of newspapers, radio, television, magazines, books, films, recording, and emerging mass media and their function and role in today's world. HU

2087 01 MTWTh 09:15AM-10:20AM 1609 STAFF

CMST&220 Public Speaking 5

Provides an introduction to the fundamental process of speaking to the public. It is designed to help students develop skills in communication and to acquire an understanding of oral communication as a vital human relations factor in society. HU

2090 01 MTWTh 08:00AM-09:05AM 2032 POTH MITCH

2091 02 MTWTh 08:00AM-09:05AM 1609 VALDEZ R

2092 03 MTWTh 09:15AM-10:20AM 1606 JACKSON K

2093 04 MTWTh 09:15AM-10:20AM 2032 POTH M

2094 05 MTWTh 10:30AM-11:35AM 1606 CLOSE S

2095 06 MTWTh 10:30AM-11:35AM 2032 POTH M

2096 07 MTWTh 11:45AM-12:50PM 2032 POTH MITCH

Computer Science

CS 101 Intro to Computer Science 3

Lab Fee: \$32.20

An introduction to computer science concepts and the role of computers in society. Topics include the history of computing, computer hardware, operating systems, the Internet, database management, an overview of programming languages and logic, careers in computer technology, and the ethics of computing. This course is designed for Computer Science majors, and will emphasize principles and underlying computer technology concepts. Prerequisite: none. SE

2105 21H Th ARR 1801 STAFF

Mandatory orientation on 9/23 in room 1801 at 4:00-4:50 p.m. This is a hybrid class that incorporates traditional class time & a distance education component. Students must have access to a reliable internet connection. Online fee is \$10.

CS 104 Intro to Computer Hardware 3

Lab Fee: \$22.20

This course covers basic concepts of computing hardware and addresses the impact of hardware design on applications and systems software. Students will learn how computers work and be able to replace parts and upgrade components. Students

completing CS 104 and CS 105 will have the knowledge and skills necessary for CompTIA A+ Certification exam preparation. Prerequisites: None

2110 21 MW 06:15PM-07:30PM 1515 STAFF

Co-requisite: CS 105

CS 105 Intro to Computer Operating Systems 3

Lab Fee: \$22.20

An introduction to operating systems (O/S) design, structure, and mechanisms. Topics include computer software systems performance, memory, kernel structure, input/output (I/O) devices, file system functions, virtualization, and securing the operating system. Students will install and configure major modern operating systems. Students completing CS 104, CS 105, and CS 110 will have the knowledge and skills necessary for CompTIA A+ Certification exam preparation.

2114 21H MTWTh 05:00PM-06:05PM 1515 STAFF

Co-requisite: CS 104

CS 106 Intro to Virtualization 5

Lab Fee: \$37.00

This introductory course is an overview and hands-on exploration of virtualization in desktop, server, and cloud environments. Concepts covered include an introduction to virtualization technologies and how to deploy and manage a virtual server environment. Course topics include virtualization concepts and terms, installing and deploying virtual machines using Hyper-V, VM Ware, Virtual Box, and Virtual PC, and implementing a secure virtual environment. Prerequisites: CS 105

2117 21 MW 05:00PM-07:30PM 1511 STAFF

CS 110 Networking Fundamentals 3

Lab Fee: \$22.20

An introduction to the basic concepts of computer networking, including: the OSI model, working with network-related hardware, network configuration with TCP/IP, network operating system basics, fault tolerance issues, and troubleshooting network problems. The course prepares students for the CompTIA Network+ certification exam. Prerequisites: None

2120 21 TTh 06:15PM-07:30PM 1515 STAFF

CS 111 Intro to Programming 5

Lab Fee: \$37.00

An introductory programming course using the Visual Basic.NET language to create event-driven programs with a graphical user interface. Topics include variables, control structures, loops, object-oriented programming techniques, forms, debugging, and an introduction to database programming using ADO.NET and SQL. Prerequisite(s): MATH 095 or MAP 105, or concurrent enrollment, or instructor permission

2124 01 MTWTh 02:15PM-03:20PM 1511 STAFF

CS& 141 Computer Science I Java 5

Lab Fee: \$10.00

This course introduces students to the fundamental concepts of object-oriented programming with the Java programming language. The course will focus on the strengths of Java to create classes, objects and methods, algorithm development, program solving techniques, basic control structures, primitive types, and arrays. Students will master the basics of Java, developing solid programming skills that enable crossover programming skills for other essential languages. Prerequisites: MATH& 141 or instructor permission. SE

2150 OL1 MTWTh ARR STAFF

Instruction is provided by CWU and is equivalent to CWU's CS 110. Coursework will be completed online. Online fee is \$10.

CS 156 Cisco Networking 1: Part I 5

Lab Fee: \$37.00

Interconnecting Cisco Networking Devices Part 1 focuses on providing the skills and knowledge necessary to implement and support a small switched and routed network for a home or small enterprise network. Concepts include configuring a switch, a router, connecting to a WAN and implementing network security. This is the first of two courses comprising the Cisco ICND1 Part 1 training and covers the technical knowledge and skills required in order for students to take the Cisco exam 640-802 and ICND1 exam 640-822. Prerequisite(s): CS 104, CS 105, or instructor permission

2160 21 TTh 05:00PM-08:00PM 1511 GUZMAN NOE

CS 158 Cisco Networking 2: Part I 5

Lab Fee: \$37.00

This course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small to medium-size enterprise network and implement network security, including configuring and using Cisco catalyst switches and Cisco routers that are connected in LANs and WANs typically found at medium-sized network sites. This is the first of two courses comprising the Cisco ICND2 Part 2 training and covers the technical knowledge and skills required in for students to take the Cisco CCNA Exam 640-802 and ICND2 Exam 640-816. Prerequisite(s): CS 157

2162 21 TTh 05:00PM-08:00PM 1511 GUZMAN NOE

CS 195 Internship: Work Based Learning 1- 4

Students will participate in a supervised internship with regional computer and information technology employers. Students are expected to develop a computer science career-based portfolio and employment resume. Prerequisites: Enrollment in Computer Science program, instructor permission, and concurrent enrollment in CS 197.

2171 01 ARR ARR SHANNON M

CS 197 Internship: Work Based Learning Seminar 1

Students participating in internships share feedback and discussion to integrate work-based learning experiences with classroom instruction. Students are expected to submit weekly work journals and develop a computer science career-based portfolio and employment resume. Prerequisites: Concurrent enrollment in CS 195.

2172 01 ARR ARR SHANNON M

CS 262 Programming Dynamic Websites 5

Lab Fee: \$37.00

This course covers dynamic web programming to build interactive, database driven websites. Students gain experience using core open source technologies: PHP MySQL, JavaScript, and CSS, to add power and functionality to Web sites. A major emphasis of the course is using PHP and MySQL to build, manipulate, and create output from a database to a web page. Prerequisites: CS 115 and CS 161

2178 21 TTh 04:30PM-06:50PM STAFF

Criminal Justice

CJ& 101 Intro Criminal Justice 5

This course provides an overview of crime and the criminal justice system including the historical development of the system and a discussion of sociological theory. The course examines the extent and character of crime by examining current and past philosophies that our society uses to deal with crime and criminals. Emphasis is placed on how the various systems interrelate and interact to attain the goal of an orderly and non-discriminatory delivery of crime related public services. SS

2205 01 MTWTh 10:30AM-11:35AM 1611 LEONARD R

Section 01 incorporates traditional class time & a distance-education component. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes & attend the first day of scheduled classes for further instructions.

2206 OL1 ARR ARR LEONARD R

Section OL1: All coursework for this class will be completed online through Canvas. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes for log-in information and further instructions. Fee is \$10.

Early Childhood Education

ECED&105 Introduction to Early Childhood Education 5

Lab Fee: \$10.00

Overview of the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals, and programs in action.

2270 21H T 06:00PM-08:00PM 1611 KIMBALL T

Students in ECED& 105 will be taught using the I-BEST model of instruction. Two faculty will be co-teaching the class. One faculty member focuses on professional technical skills while the other focuses on basic & study skills. Pre and post CASAS testing required. Students need to have access to a reliable computer & high-speed Internet connection as this is a hybrid (online and face-to-face) course. Check your Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

ECED&139 Administration of Early Learning 3

Lab Fee: \$10.00

Develop administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Explore techniques and resources available for Washington State licensing and NAEYC standard compliance.

2286 OL1 ARR ARR NIGHSWONGER

All course work for this class will be completed online. Students need to have access to a reliable computer & high-speed Internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Fee: \$10.

ECED&170 Environments-Young Child 3

Lab Fee: \$10.00

Design, evaluate, and improve indoor and outdoor environments which ensure quality learning, nurturing experiences, and optimize the development of young children.

2294 21H Th 05:30PM-07:30PM 1611 MCLEAN C

Students need to have access to a reliable computer & high-speed Internet connection as this is a hybrid (online and face-to-face) course. Check your Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

Economics

ECON 200 Introduction to Economics 5

Lab Fee: \$10.00

Overview of the basic principles of the American economy to include supply and demand, money and banking, international trade, GDP, inflation, unemployment, and analysis of the market system. Strongly recommend placement in MATH095 or higher and placement in ENGL 099 or higher. THIS IS NOT A SUBSTITUTE FOR ECON& 201 OR 202. SS

2315 OL1 ARR ARR DONAT G

Online fee is \$10.

ECON&201 Micro Economics 5

Study of the micro economy of an individual firm or industry. Output and price of a specific product, numbers of workers, revenue, and expenses of a business are the focus. Strongly recommend placement in MATH 095 or higher and placement in ENGL 099 or higher. SS

2320 01 MTWTh 08:00AM-09:05AM 1611 PYLE T

Education

EDUC&115 Child Development 5

Lab Fee: \$10.00

Build a functional understanding of the foundation of child development, prenatal to early adolescence. Focus on the physical, social, emotional, and cognitive development of children, reflective of cross cultural and global perspectives. Develop skills in observing and documenting child growth and development identify theory in practice, and critical reflection of assumptions. SE

2360 21H F 06:00PM-08:00PM 1611 ROYLANCE M

Students need to have access to a reliable computer & high-speed Internet connection as this is a hybrid (online and face-to-face) course. Check your Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

EDUC&130 Guiding Behavior 3

Lab Fee: \$10.00

Examine the principles and theories promoting social competence in young children and creating safe learning environments. Develop skills promoting effective interactions, providing positive individual guidance, and enhancing group experiences.

2370 OL1 ARR ARR ROYLANCE M

All course work for this class will be completed online. Students need to have access to a reliable computer & high-speed Internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Fee: \$10.

EDUC&150 Child, Family and Community 3

Lab Fee: \$10.00

Integrate the family and community contexts in which a child develops. Explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their child, and tools for effective communication.

2380 OL1 ARR ARR STAFF

All course work for this class will be completed online. Students need to have access to a reliable computer & high-speed Internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Fee: \$10.

EDUC 190 Classroom Experience 3

Lab Fee: \$22.50

This course will provide students with the opportunity to gain practical, hands-on experience working with children infancy to age eight in a variety of educational settings and to reflect on the experiences. Students will be required to assist a classroom teacher for nine hours per week throughout the quarter. Can be repeated up to nine credits. Prerequisites: ECE 100 or EDUC& 201 or instructor permission Prior to registering for this course, students must be cleared through the National Sex Offender Registry system, provide results of a negative Tuberculin skin test within the last year and obtain WEA liability insurance. Upon placement, students must pass a background check with their hosting agency.

2390 01H M 04:00PM-06:00PM 1611 NIGHSWONGER

Instructor permission required. Contact Jenny Nighswonger at 793-2216. Students need to have access to a reliable computer & high-speed Internet connection as this is a hybrid (online and face-to-face) course. Check your Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

English

ENGL 065 Spelling Improvement 2

Lab Fee: \$7.20

With a self-paced approach, the student will practice commonly misspelled words that account for 97% of spelling errors by a combination of the whole-word method and learning the rules and exceptions of the English spelling system.

2502 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K
2503 02 MTWTh 11:45AM-12:50PM 1817 SHUTTLE' TH K
2504 03 MTWTh 02:15PM-03:20PM 1817 SHUTTLE' TH K

ENGL 087 Reading Improvement 3

Lab Fee: \$10.80

Reading improvement for adults with emphasis on increasing and improving vocabulary and comprehension to college level. Prerequisite: English placement exam.

2507 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K
2508 02 MTWTh 11:45AM-12:50PM 1817 SHUTTLE' TH K
2509 03 MTWTh 02:15PM-03:20PM 1817 SHUTTLE' TH K

ENGL 093 Basic Writing 3

Lab Fee: \$10.80

This class is designed for adult students who have little or no experience writing beyond elementary school. During the class, students will choose a topic and develop the main idea and its support thus gaining practice in proofreading, punctuation and using correct grammar to develop paragraphs. Prerequisite: placement exam.

2512 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K
2513 02 MTWTh 11:45AM-12:50PM 1817 SHUTTLE' TH K

ENGL 095 Writing Improvement 3

Lab Fee: \$10.80

Through individual writing experiences and the practice of assigned exercises, the student will develop a procedure for writing and revising papers using word processing. Students may submit papers written during the quarter to portfolio assessment of preparedness for ENGL& 101. Prerequisite: ENGL 093 or placement.

2517 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K
2518 02 MTWTh 11:45AM-12:50PM 1817 SHUTTLE' TH K
2519 03 MTWTh 02:15PM-03:20PM 1817 SHUTTLE' TH K

ENGL 098 Basic English Skills 5

Lab Fee: \$18.00

This course covers techniques for improving basic writing skills at the sentence, paragraph and essay level. Additional work will be done on improving reading comprehension, enriching vocabulary, and refining computer skills. Prerequisite: placement exam.

2523 01 MTWTh 09:15AM-10:20AM 1855B HAMMOND D
2524 02 MTWTh 10:30AM-11:35AM 1856 ERICKSON G

ENGL 099 English Skills (Pre-101) 5

Lab Fee: \$18.00

This class is a composition course designed to prepare students for college reading and writing using word processing. Students write personal and academic essays and prepare a writing portfolio. The course includes the study of sentence sense and mechanics, grammar, punctuation, paragraph and essay structure as well as activities that improve reading and vocabulary. Prerequisite: Satisfactory completion of ENGL 098 or placement in ENGL 099 through the English placement exam.

2530	01	MTWTh	08:00AM-09:05AM	1855B	HAMMOND D
2531	02	MTWTh	09:15AM-10:20AM	1856	ERICKSON G
2532	03	MTWTh	10:30AM-11:35AM	1855B	ANDERSON J
2533	04	MTWTh	11:45AM-12:50PM	1855B	HAMMOND D
2534	05	MTWTh	01:00PM-02:05PM	1855B	ANDERSON J
2535	06	MTWTh	02:15PM-03:20PM	1606	PARSONS R
2537	21	MW	06:00PM-08:30PM	1609	STAFF
2538	OL1	ARR	ARR		VAN BLARICOM

Online fee is \$10.

ENGL&101 English Composition I 5

Lab Fee: \$18.00

This composition course provides instruction in academic written communication by having students compose formal essays, with the goal of teaching students to communicate effectively and engage with issues and ideas. Prerequisite: placement exam or passing grade in ENGL 099.

2546	01	MTWTh	08:00AM-09:05AM	1606	STAFF
2547	02	MTWTh	08:00AM-09:05AM	1605	CLOSE S
2548	03	MTWTh	09:15AM-10:20AM	1608	STAFF
2549	04	MTWTh	09:15AM-10:20AM	1855A	STAFF
2550	05	MTWTh	10:30AM-11:35AM	1855A	STAFF
2551	06	MTWTh	10:30AM-11:35AM	1909	SULLIVAN M
2552	07	MTWTh	11:45AM-12:50PM	1855A	STAFF
2553	08	MTWTh	11:45AM-12:50PM	1910	SULLIVAN M
2554	09	TTh	01:00PM-03:30PM	1910	STAFF
2555	21	TTh	06:00PM-08:30PM	1855B	STAFF
2557	OL1	ARR	ARR		STAFF

Online fee is \$10.

ENGL&102 Composition II 5

Lab Fee: \$18.00

This advanced composition course provides instruction in academic writing through literary analysis and increases students' exposure to literature. Prerequisite: 2.0 or higher score in ENGL& 101.

2560 01 MTWTh 08:00AM-09:05AM 1607 CARPENTER J

2561 02 MTWTh 09:15AM-10:20AM 1607 CARPENTER J

2564 OL1 ARR ARR STAFF

Online fee is \$10.

2566 OL2 ARR ARR STAFF

Online fee is \$10.

ENGL 109 Applied Technical Writing 3

Lab Fee: \$10.80

The course will prepare technical/vocational students, and others for successful careers in their respective fields by developing skills in written communications commonly used in the workplace. Teaching strategies will address reading, interpreting, planning, organizing, composing, and word-processing technical writing as applied in business and industry. Prerequisite: ENGL 098 or placement in ENGL 099.

2575 01 MTWTh 08:00AM-08:50AM 1511 RHODES F

ENGL 216 Film Study 3

Viewing of a variety of films on a chosen theme. Discussion and analysis of themes and techniques that have made these films popular and of critical value. May be repeated once. HU

2600 01 T 02:15PM-05:15PM 1601 SULLIVAN M

ENGL 239 The Mystery Story as Literature 5

From Sherlock Holmes to C.S.I., mystery stories have been popular and enduring forms of entertainment - but they do much more than amuse. Beyond solving crimes, mysteries can offer insight into the nature of good and evil, raise questions about the human condition, and tell us some uncomfortable truths about history and culture. This class will use mystery stories, novels, and film that range from the classic (such as Agatha Christie and Dashiell Hammett) to contemporary (such as Stephen King and Kate Atkinson). HU

2610 01 MTWTh 09:15AM-10:20AM 1909 SULLIVAN M

ENGL&244 American Literature I 5

An introduction to American literature from its beginnings to 1860. HU

2620 01 MTWTh 10:30AM-11:35AM 1607 CARPENTER J

Environmental Science

ENVS&100 Survey of Env Science 5

An introduction to the fundamental principles of environmental science. Topics include environmental policy, environmental systems, population and community ecology, biomes, human population growth, soil, food and agriculture, biodiversity and conservation, land use and resource

management, air and water quality issues, global climate, renewable and nonrenewable energy sources, waste management, and sustainability. NS

2672 01 MTWTh 08:00AM-09:05AM 1252 DUVALL K

2673 OL1 ARR ARR COBB S

Section OL1: Students submit assignments, participate in discussion forums, and view recorded lectures online; exams are taken at arranged times on campus. Online fee is \$10.

First Aid

FAD 150 Industrial First Aid and C.P.R. Plus Bloodborne 2

Lab Fee: \$8.60

An Industrial First Aid course and Bloodborne Pathogen course designed to meet the Department of Labor and Industry, OSHA and WISHA requirements. Intended for supervisory personnel, employees, pre-nursing, Pre-Emergency Medical Technicians, and those interested in having first aid and C.P.R. training. This course is recognized in the U.S. and several foreign countries by federal and state agencies and company employers.

2680 01 F 09:00AM-05:00PM 1702 BENKO A

Start & end date: 09/27/13 to 10/11/13

Books are required. Class meets 9/27, 10/4, 10/11.

2681 02W Sa 09:00AM-05:00PM 1702 BENKO A

Start & end date: 09/28/13 to 10/12/13

Books are required. Class meets 9/28, 10/5, 10/12.

2682 03 F 09:00AM-05:00PM 1702 BENKO A

Start & end date: 10/18/13 to 11/01/13

Books are required. Class meets 10/18, 10/25, 11/1.

2683 04 F 09:00AM-05:00PM 1702 BENKO A

Start & end date: 11/08/13 to 11/22/13

Books are required. Class meets 11/8, 11/15, 11/22.

German

GERM&121 German I 5

Introduction to the language and culture of the German-speaking world. Skill development in listening, speaking, reading and writing. HU

2780 01 MTWTh 08:00AM-09:05AM 1604 MCCARTHY J

GERM&122 German II 5

Introduction to the language and culture of the German-speaking world. Skill development in listening, speaking, reading and writing. Prerequisite: GERM& 121 HU

2785 01 MTWTh 08:00AM-09:05AM 1604 MCCARTHY J

GERM&123 German III 5

Introduction to the language and culture of the German-speaking world. Skill development in listening, speaking, reading and writing. Prerequisite: GERM& 122 or placement in 123. HU

2790 01 MTWTh 08:00AM-09:05AM 1604 MCCARTHY J

Health Education

HED 121 The Human Body and Disease I 5

This is the first of a three-part course sequence in which students examine body structure and functions as well as diseases. This includes the analysis and discussion of the anatomy and physiology of the endocrine system, hemodynamic fluid shift, the heart, urinary system, and reproductive system. Common diagnostic tests/treatments, pharmacological agents, and possible prognoses for common disease processes are included. There is no lab segment.

2800 01 MTWTh 08:00AM-09:05AM 1910 BUNKELMAN J

2802 OL1 ARR ARR DE HOOG J

Online fee is \$10.

HED 150 Medical Terminology I 3

This is the first of a two part course to prepare students to correctly use medical vocabulary. Prerequisite: None

2830 21 MW 05:30PM-06:50PM 1722 MOTZKUS P

2832 OL1 ARR ARR MANN M

Online fee is \$10.

HED 151 Medical Terminology II 3

Lab Fee: \$10.00

This is the second of a two part course to prepare students to correctly use medical vocabulary. Prerequisite: HED 150

2840 OL1 ARR ARR SPENCER S

HED 239 Medical Ethics 2

This course introduces ethical and legal issues facing medical professionals.

2850 21 Th 06:00PM-08:00PM 1609 KNEZEVIC V

2852 OL1 ARR ARR KNEZEVIC V

Online fee is \$10.

History

HIST&116 Western Civilization I 5

From the origins of civilization to the dawn of the modern world in the 1500s, this course surveys the classical world of Greece and Rome, Western Christendom, Byzantium and Islam, the Middle Ages, and the early Italian Renaissance. SS

2900 01 MTWTh 10:30AM-11:35AM 1605 WAITES W

Section 01: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

HIST&136 US History 1 5

From the Reformation in Europe to the end of the Civil War, this course includes colonization, the introduction of slavery, the Revolutionary and Early National Period, the development of political parties, nationalism and sectionalism, and the Civil War. Prerequisites: Placement in ENGL& 101 or completion of ENGL 099. SS

2930 01 MTWTh 11:45AM-12:50PM 1601 RILEY C

Section 01: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

2933 OL1 ARR ARR RILEY C

Section OL1: All course work for this class will be completed online through Canvas. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Fee is \$10

Humanities

HUM 214 Diversity Issues: Race, Class, and Gender 5

This cultural diversity studies course examines and investigates culture, behavior, values, identity, stereotypes, person and societal perceptions, and the cultural construction of reality using a literature-based and experientially based cognitive curriculum. This class will explore multicultural society with a mind toward improving students' understanding of their own cultures and the cultures that surround them. Prerequisite: ENGL&101 or instructor permission

3000 01 MTWTh 11:45AM-12:50PM 1909 CLOSE S

Industrial Systems

IST 100 Introduction To Industrial Safety and Health 3

Introduction to basic industrial safety and health incorporating OSHA/WISHA rules and regulations, personal protective equipment, chemical safety, tool safety, material handling safety, machine safety, electrical safety, fire protection, health protection and safe working practices. Prerequisite: None

3040 01 MTWTh 09:35AM-10:50AM 3602 LEBLANC D

Start & end date: 09/23/13 to 10/29/13

IST 102 Technical Drawing Interpretation 3

Lab Fee: \$22.20

Fundamental technical drawing reading and sketching principles, concepts and standards as applied to industry. Prerequisite: None

3046 01 MTWTh 09:35AM-11:30AM 1507 STAFF

IST 105 Basic Electricity--DC Circuit Analysis 5

Lab Fee: \$37.00

Fundamentals of DC electricity as applied to series, parallel, and series-parallel circuits. Use of test equipment and troubleshooting simple circuits. Co-requisite/Prerequisite: MAP 103 or instructor permission.

3052 01 TTh 12:30PM-03:30PM 3607 STAFF

IST 107 Industrial Electricity I 5

Lab Fee: \$37.00

Electrical theory and application, electrical blueprints, power sources, panels, control devices, motors, etc. Use of test equipment and troubleshooting. Note: Maintenance Mechanics emphasis. Prerequisite(s): MAP 103, IST 102, IST 106 or instructor permission.

3064 01 MW 12:30PM-03:30PM 3606 AUTRY B

IST 111 National Electric Code II 2

Application of the Washington State electrical laws (WAC codes) and the National Electric Code as they pertain to the working electrical technician. Prerequisite: IST 110 or instructor permission.

3076 01 MW 03:35PM-04:25PM 3607 AUTRY B

IST 130 Introduction to Refrigeration & Air Conditioning 5

Lab Fee: \$37.00

Fundamental physical, chemical, engineering, and mechanical aspects of the refrigeration process. Prerequisite(s): IST 100, MAP 103, IST 102, IST 106 or instructor permission.

3101 01 TTh 09:00AM-12:00PM 3500 AUTRY B

IST 150 Introduction to Programmable Logic Controllers 5

Lab Fee: \$37.00

Introduction to programmable logic controller principles, hardware, and operation. Includes ladder logic, instruction, maintenance and troubleshooting. Prerequisite(s): MAP 103, IST 107 or instructor permission.

3115 01 TTh 12:30PM-03:30PM 3604 AUTRY B

IST 207 Industrial Electricity II 5

Lab Fee: \$37.00

Electrical theory and function as it applies to various control schemes with a practical understanding of the logic and safety considerations required for efficient control of "stand alone" machinery and or a complex system. Prerequisite: IST 107 or instructor permission,

3145 01 TTh 09:00AM-12:00PM 3606 STAFF

IST 222 Electronics II (Applications) 5

Lab Fee: \$37.00

Construct and analyze operation of analog and digital electronic devices, circuits, and systems using schematic diagrams, test equipment, and logical trouble shooting procedures. Prerequisite: IST 221 or instructor permission.

3166 01 MW 12:30PM-03:30PM 3607 STAFF

IST 280 Mechanical Power Transmission 5

Lab Fee: \$37.00

Fundamentals of industrial mechanical power transmission. Includes lubrication, bearings, speed reducers, gears, couplings, drive components, brakes, clutches, and adjustable speed drives. Prerequisite(s): MAP 103, IST 100, IST 102 or instructor permission.

3205 01 MW 09:00AM-12:00PM 3500 AUTRY B

Math

MATH 080 Basic Mathematics 5

Review and instruction in whole numbers, decimals, and fractions. Learn strategies to deal with math anxiety and test taking.

3236 01 MTWTh 08:00AM-09:05AM 1856 ERICKSON G

3237 02 MTWTh 11:45AM-12:50PM 1610 ERICKSON L

3238 21 MW 05:00PM-07:20PM 1610 ERICKSON L

MATH 090 Prealgebra 5

Lab Fee: \$18.00

This course includes the study of basic arithmetic and algebraic including operations with integers, fractions, decimals and percents; order of operations, measurement, the metric system, algebraic expressions, formulas and simple linear equations. Prerequisite: Appropriate placement on the BCC math placement exam

3242 02 MTWTh 01:00PM-02:05PM 1909 STAFF

MATH 094 Prealgebra 5

Lab Fee: \$18.00

This course includes the study of basic arithmetic and algebraic topics including operations with integers, fractions, and percents; algebraic expressions; formulas; and simple linear equations. Prerequisite(s): one of the following: BCC math placement exam or successful completion of MPC/MATH 080 and MPC/MATH 080 final

3248 CL1 MTWTh 08:00AM-09:05AM 1215 ABED S

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3250 CL2 MTWTh 09:15AM-10:20AM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3252 CL3 MTWTh 10:30AM-11:35AM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3254 CL4 MTWTh 11:45AM-12:50PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3255 CL5 MTWTh 01:00PM-02:05PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3256 CL6 MTWTh 02:15PM-03:20PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3258 CLN MW 06:00PM-08:30PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

MATH 095 Elementary Algebra 5

Lab Fee: \$18.00

This course includes study of basic algebraic operations and concepts, and the structure and use of algebra. This includes the solutions to algebraic equations, factoring algebraic expressions, working with rational expressions and the graphing of linear equations. Prerequisite(s): BCC placement exam or score of 70% or better on each module on the MPC/MATH 090 competency exam.

3260 01 MTWTh 09:15AM-10:20AM 1203 ABED S

3262 02 MTWTh 01:00PM-02:05PM 1202 WHITNEY B

3264 OL1 ARR ARR WALLACE T

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$10.

MATH 096 Elementary Algebra I 5

Lab Fee: \$18.00

This course includes the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes measurement and the metric system, solving and graphing linear equations, and working with polynomials.

Prerequisite(s): one of the following: BCC math placement exam or successful completion of at least four units in MATH 094 or Successful completion of MPC/MATH 090 (will start after Proficiency Exam #1)

3268 CL1 MTWTh 08:00AM-09:05AM 1215 ABED S

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3269 CL2 MTWTh 09:15AM-10:20AM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3270 CL3 MTWTh 10:30AM-11:35AM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3272 CL4 MTWTh 11:45AM-12:50PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3273 CL5 MTWTh 01:00PM-02:05PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3274 CL6 MTWTh 02:15PM-03:20PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3275 CLN MW 06:00PM-08:30PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

MATH 097 Elementary Algebra II 5

Lab Fee: \$18.00

This course includes the study of basic and intermediate algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic expressions, working with rational expressions, systems of equations and applications. Prerequisite(s): one of the following: BCC math placement exam or successful completion of at least five units in MATH 096 or successful completion of MPC/MATH 095 (will start after Proficiency Exam #2)

3278 CL1 MTWTh 08:00AM-09:05AM 1215 ABED S

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3279 CL2 MTWTh 09:15AM-10:20AM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3281 CL3 MTWTh 10:30AM-11:35AM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3283 CL4 MTWTh 11:45AM-12:50PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3284 CL5 MTWTh 01:00PM-02:05PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3285 CL6 MTWTh 02:15PM-03:20PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3286 CLN MW 06:00PM-08:30PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

MATH 098 Intermediate Algebra 5

Lab Fee: \$18.00

This course includes the study of intermediate algebraic operations and concepts, and the structure and use of algebra. This includes functions, radicals and rational exponents, radical equations, complex numbers, quadratic equations and their applications, and an introduction to exponential and logarithmic functions. Prerequisite(s): one of the following: BCC math placement exam or successful completion of at least five units in MATH 097 or Instructor Permission

3288 CL1 MTWTh 08:00AM-09:05AM 1215 ABED S

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3289 CL2 MTWTh 09:15AM-10:20AM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3290 CL3 MTWTh 10:30AM-11:35AM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3292 CL4 MTWTh 11:45AM-12:50PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3293 CL5 MTWTh 01:00PM-02:05PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3294 CL6 MTWTh 02:15PM-03:20PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3295 CLN MW 06:00PM-08:30PM 1215 STAFF

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

MATH 099 Intermediate Algebra 5

Lab Fee: \$18.00

This course includes the study of systems of equations and applications, functions, radicals and rational exponents, radical equations, complex numbers, quadratic equations and their applications, and an introduction to exponential and logarithmic functions. PREREQUISITE: BBCC exam or score of 65% or better on each module of MPC 095 competency exam or a P in MATH 095.

3296 01 MTWTh 09:15AM-10:20AM 1202 FARAG S

3298 02 MTWTh 01:00PM-02:05PM 1203 ABED S

3299 OL1 ARR ARR WALLACE T

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$10.

MATH&107 Math in Society 5

This course will introduce the non-math/science major to mathematical applications in a variety of disciplines. Prerequisite: Appropriate scores in the BBCC Mathematics Assessment or successful completion of MATH 099.MS/SQR

3300 01 MTWTh 10:30AM-11:35AM 1203 ABED S

3301 OL1 ARR ARR STAFF

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$10.

MATH&141 Precalculus I 5

Lab Fee: \$18.00

This course will present the following concepts: college level algebra, introduction to functions and graphing, the graphs and properties of polynomial, rational, radical, exponential and logarithmic functions. Prerequisites: MATH 098 or MATH 099 MS/SQR

3315 01 MTWTh 08:00AM-09:05AM 1218 WHITNEY B
3317 02 MTWTh 10:30AM-11:35AM 1202 FARAG S
3318 03 MTWTh 11:45AM-12:50PM 1219 WHITNEY B

MATH&146 Introduction to Statistics 5

Lab Fee: \$18.00

This course is an introduction to descriptive statistics, probability and its applications, statistical inference and hypothesis testing, predictive statistics and linear regression. Prerequisite: Appropriate scores in the BCC Mathematics Assessment or successful completion of MATH 098 OR 099. MS/SQR

3330 01 MTWTh 09:15AM-10:20AM 1252 WHITNEY B
3333 02 MTWTh 11:45AM-12:50PM 1202 FARAG S
3334 03 MTWTh 01:00PM-02:05PM 1219 LANE S

MATH&151 Calculus I 5

This course will introduce the student to the basic concepts of the calculus. It will give the student an appreciation of the calculus and its applications in the real world and will prepare the student for future work in mathematics and the sciences. Course includes functions, limits, continuity, derivatives and their applications, and integration and its applications. Prerequisite(s): MATH& 142 or BCC placement exam, or instructor permission. MS/SQR

3350 01 MTWTh 10:30AM-11:35AM 1219 LANE S

MATH&254 Calculus IV 5

Lab Fee: \$18.00

This course is an introduction to multivariable calculus. It includes the study of three dimensional space curves, vector-valued functions, partial derivatives, differentials, directional derivatives, multiple integration, vector fields, line integrals, Green's and Stoke's theorems, surface integrals, and the divergence theorem. Prerequisites: MATH& 163 or permission of instructor.

3372 01I DAILY 08:00AM-09:00AM 1812 STAFF

Math (Applied)

MAP 100 Applied Mathematics (AMT) 2

This course will cover aircraft technical mathematics and is designed for the Aviation Maintenance Technology student. It will cover the fundamental mathematical principles required for the successful completion of the Aviation Maintenance Technology program. This course is FAA approved under 14 CFR Part 147. Prerequisite: Successful completion of MATH 080 or BCC Math placement score into MATH 090 or above. Must be enrolled in the Aviation Maintenance Technology program.

3385 01 MTWTh ARR 3200 DANNENBERG K

MAP 101 Applied Mathematics (AUT/WLD) 5

This class provides review and instruction in whole numbers, decimals, fractions, measurement, ratio, proportion, percents, introduction to algebra, and introduction to geometry. This basic instruction and review is followed by vocational program specific mathematics instruction. Students will study mathematics for welding or

automotive repair. The emphasis is on providing practice in related job specific skills. Prerequisite: Successful completion of MATH080 or BCC Math placement score into MATH 090 or above.

3390 01 MTWTh 07:45AM-08:50AM 4103 O'KONEK M

MAP 103 Applied Mathematics (MMT/IST) 5

This class provides review and instruction in whole numbers, decimals, fractions, measurement, ratio, proportion, percents, introduction to algebra, and introduction to geometry. This basic instruction and review is followed by vocational program specific mathematics instruction. Students will study mathematics for electricity/electronics. The emphasis is on providing a solid mathematics base to facilitate assimilation of more complex mathematics as well as providing course work in relevant work-specific problems and situations. Collaborative learning is encouraged and built into the course to give students practice in a key skill used in the workplace. Prerequisite: successful completion of MATH 080 or BCC Math placement score of MATH 090 or above.

3400 01 MTWTh 07:50AM-08:55AM 3607 STAFF

Medical Assistant

MA 111 Clinical Procedures I 2

Lab Fee: \$56.00

This course is an introduction to basic medical front office as well as back office techniques. It introduces the importance of work ethics and interpersonal communications. Prerequisite(s): Instructor permission is required. Current Healthcare Provider CPR card.

3562 01W Sa 08:00AM-03:00PM 1722 MANN M

Annual malpractice insurance required.

MA 150 Pharmacology for Medical Assistants 3

This basic pharmacology course provides instruction on therapeutic action and major side effects of common drugs, principles of medication and dosage calculations for Medical Assisting. Prerequisite: MAP 108

3570 21 TTh 05:20PM-06:50PM 1722 ERWIN K

Music

MUSC&105 Music Appreciation 5

Music Appreciation is a course designed for students who have not had formal study in music or who wish to supplement performance experience with formal study in structure and history. Emphasis is placed on repeated listening experiences to acquire a thorough knowledge of selected works of music literature. HU

3605 01 MTWTh 11:45AM-12:50PM 1134 PATTERSON P

MUSC 115 Group Piano I 2

Group piano instruction for beginners and intermediates. Developmental musicianship. Prerequisite: instructor approval. HP

3630 01 MW 02:15PM-03:20PM 1134 PATTERSON P

Additional required hours are set by arrangement. Contact Pat Patterson at 793.2140 for more information.

MUSC 116 Group Piano II 2

Group piano instruction for beginners and intermediates. Developmental musicianship. Prerequisite: MUSC 115 or instructor approval. HP

3634 01 MW 03:30PM-04:35PM 1134 PATTERSON P

MUSC 117 Group Piano III 2

Group piano instruction for beginners and intermediates. Developmental musicianship. Prerequisite: MUSC 116 or instructor approval. HP

3638 01 MW 03:30PM-04:35PM 1134 PATTERSON P

MUSC 124 Orchestra I 1

A community and college orchestra that plays a variety of musical works for both string and full orchestra. One to two performances are given quarterly. Prerequisite: Performance ability on an orchestral instrument. HP

3650 21 M 06:00PM-08:00PM 1134 PATTERSON P

MUSC 170 History of Jazz 5

A survey course for non-majors and music majors covering the history of the origin of the American music Jazz and it's stylistic development up through the 1990's. The various periods of pre-jazz and jazz are related to social, political and economic forces during the nineteenth and twentieth centuries. Included are the sources of African-American musical forms such as spirituals, work songs, ragtime and blues. Recommended as a humanities elective, as part of African-American cultural history education or as general music education. HU

3720 01 MTWTh 10:30AM-11:35AM 1134 PATTERSON P

MUSC 215 Group Piano IV 2

Group piano instruction for intermediates and advanced students. Prerequisite: MUSC 117 or instructor approval. HP

3730 01 MW 03:30PM-04:35PM 1134 PATTERSON P

MUSC 216 Group Piano V 2

Group piano instruction for intermediates and advanced students. Prerequisite: MUSC 215 or instructor approval. HP

3733 01 MW 03:30PM-04:35PM 1134 PATTERSON P

MUSC 217 Group Piano VI 2

Group piano instruction for intermediates and advanced students. Prerequisite: MUSC 216 or instructor approval. HP

3736 01 MW 03:30PM-04:35PM 1134 PATTERSON P

Nursing

NUR 100 Nursing Assistant 9

Lab Fee: \$209.41

This course prepares students to take the Nursing Assistant examination as outlined by Federal and State guidelines. Training will include classroom, skills lab, and clinical experience. Prerequisites: Read, write, speak and understand English at the level necessary for performing duties of the nursing assistant. (Placement in English 99 or above)

3800 01 TTh 01:00PM-05:00PM 1721 ERWIN K

*** F ARR ERWIN K

The NAC lab fee includes: malpractice and liability insurance, drug testing, CPR certification, and registration for one state NAC test.

NUR 101 Survival Skills for the Nursing Student 1

This course will offer the nursing student tools to effectively meet the challenges of nursing education. Study skills, critical thinking skills, learning styles, and test taking strategies will be explored. Prerequisite: Admittance into the BCC Nursing Program.

3804 01 ARR ARR 1700 CHRISTIAN K

NUR 103 HIV/AIDS Education 1

Lab Fee: \$10.00

An HIV/AIDS education course designed to meet the Washington State mandatory requirements for health care and childcare providers. Successful completion includes HIV/AIDS education certification.

3807 01H ARR ARR MANN M

Class orientation and assignments are accessed online through Canvas. Mandatory in class final on November 14 at 10:30 a.m. in room 1722. Online fee is \$10.

NUR 110 Fundamentals of Nursing 5

Focus is on fundamental nursing theory for the practice of nursing. Basic human needs and ethical considerations are addressed with emphasis on the adult and elderly population. Prerequisites: Admission into the Level I ADN Nursing Program and current Washington NAC certificate.

3810 01 MW 09:00AM-12:00PM 1718 BROOKS J

Orientation for Level 1 students September 4, 5, and 6 from 8:00 a.m. to 4:00 p.m. in room 1718.

NUR 111 Fundamentals of Nursing Practicum 3

Lab Fee: \$28.50

Practical application in the clinical setting of nursing theory and skills taught in NUR 110 and NUR 135. Practicum focuses on nursing care to a variety of adult and geriatric patients. Prerequisites: Admission into the Level I ADN nursing program.

3815 01 ARR ARR BROOKS J

3816 02 ARR ARR CHRISTIAN K

3817 03 ARR ARR STAFF

NUR 114 Pharmacology 2

An introduction to nursing principles of medication administration. Explores the therapeutic actions, major side effects, and nursing implications of common drugs in major classifications. Principles of medication administration and dosage calculation are included. Prerequisite: High school algebra with a 2.0 G.P.A. or above or MATH 099 with a 2.0 G.P.A or above. Co-requisite: NUR 110 or instructor permission.

3821 01 MW 08:00AM-08:50AM 1718 CHRISTIAN K

NUR 135 Nursing Skills Laboratory 1

Lab Fee: \$98.80

This course provides for the practice of nursing skills in a controlled setting in order to gain proficiency for delivery of nursing care in the clinical setting (NUR 111). The content is based on theoretical nursing knowledge taught in NUR 110. Prerequisite: Admission into the level I ADN Program.

3851 01 ARR ARR 1731 BROOKS J

Two hours arranged per week. Graded on a pass/fail basis.

NUR 210 Advanced Nursing Concepts I 5

Focus is on advanced nursing theory as it relates to complicated health deviations in patients throughout the lifespan. Current professional issues and role development are incorporated in this course. Prerequisite: Admission into the Level II ADN program.

3900 01 M 09:00AM-03:00PM 1722 GONZALEZ-ALL

NUR 211 Advanced Nursing Practicum I 5

Lab Fee: \$28.50

Practical application in the clinical setting of nursing theory and skills taught in previous nursing courses and introduced in NUR 210 and NUR 235. Practicum focuses on advanced nursing care to a variety of patients, in various settings, and throughout all stages of the lifespan. Prerequisites: Admission to the Level II ADN program.

3905 01 ARR ARR ELLISTON J

3906 02 ARR ARR GONZALEZ-ALL

3907 03 ARR ARR STAFF

NUR 235 Nursing Skills Laboratory 1

Lab Fee: \$98.80

This course provides for the practice of nursing skills in a controlled setting in order to gain proficiency for delivery of nursing care in the clinical setting (NUR 211). Content will expand upon theoretical nursing knowledge taught in NUR 210 and previously completed nursing courses. Prerequisites: Admission into the Level II ADN program.

3942 01 ARR ARR 1731 GONZALEZ-ALL

Two hours arranged per week. Graded on a pass/fail basis.

Nutrition

NUTR&101 Nutrition 5

An introductory course providing the most up-to-date, accurate and scientifically sound nutrition information focusing on how nutrition and lifestyle choices influence health and disease. Prerequisite: Completion of ENGL 099 or placement in ENGL& 101. NS

3980 01 MTWTh 08:00AM-09:05AM 1909 CHRISTIAN M

3983 21 TTh 06:30PM-08:50PM 1610 FAIRBANKS V

3985 OL1 ARR ARR CHRISTIAN M

Section OL1: Students view class lectures, submit assignments, and take exams online. Online fee is \$10.

Philosophy

PHIL&101 Intro to Philosophy 5

This course is an introduction to philosophy for students who have no previous background in the subject. The course presents a broad overview of philosophical topics of interest and importance. HU

4200 01 MTWTh 08:00AM-09:05AM 1219 LANE S

4202 02 MTWTh 11:45AM-12:50PM 1608 KNEPP D

PHIL&120 Symbolic Logic 5

This course is a study of the methods and principles used to distinguish correct from incorrect reasoning. Students are expected to prove their understanding of formal deductive symbolic logic by completing logic proofs in categorical, propositional, and predicate logic. Prerequisites: Math 098 or above. HU/SQR

4215 01 MTWTh 10:30AM-11:35AM 1601 KNEPP D

4216 OL1 ARR ARR STAFF

Online fee is \$10.

Physical Education

PEH 090 Recreational Gym 0

Community Ed Fee: \$27.70

This activity permits the use of BCC Gym facilities during available hours by individuals who are not students registered at BCC. Must be 18 years of age to enroll in recreational gym. Community service class.

4302 21 ARR ARR 2014 DE HOOG M

PEH 100 Lifetime Wellness 3

A course designed for the person who wishes to gain knowledge in lifetime general fitness. Review of health issues, health behavior, behavior modification, stress, exercise, nutrition, obesity, weight reduction and maintenance, cancer, cardiovascular health, alcohol, drugs, and sexually transmitted diseases. Discussions will encourage critical thinking in the development of life-long personal wellness. The role of culture will be examined in relationship to health and wellness. SE

4310 01 MTW 10:30AM-11:35AM 1608 STAFF

4311 OL1 ARR ARR NICHOLS L

Online fee is \$10.

4312 OL2 ARR ARR NICHOLS L

Online fee is \$10.

PEH 119 Softball 1

Lab Fee: \$3.60

Fundamentals of team play, rules, and game strategies. Emphasis placed on participation by all. May be repeated for up to three (3) credits. AC

4349 01 MTWTh ARR 2014 MOFFITT R

PEH 125 Conditioning 1

Lab Fee: \$3.60

An exercise, running, weight training, and skill related program designed to provide the student with the knowledge to develop and execute a physical fitness program that will enhance individual fitness levels, health and body proportions. May be repeated for up to three (3) credits. AC

4360 01 MW 04:00PM-05:00PM 2014 POTH M

4361 02 TTh ARR 2014 WILKS P

4362 03 ARR ARR 2012 DOUMIT P

4363 04 ARR ARR 2012 BAKER A

PEH 133 Weight Training 1

Lab Fee: \$3.60

This course is designed to introduce basic weight training techniques using universal and free (Olympic) weight equipment, as well as a variety of methods and programs of weight training. May be repeated for up to three (3) credits. AC

4375 01 MW ARR 2012 WILKS P

4376 02 ARR ARR 2012 DE HOOG M

4377 03 TTh ARR 2012 MOFFITT R

4378 04 ARR 04:00PM-05:00PM 2012 DOUMIT P

PEH 155 Body Toning 1

Lab Fee: \$3.60

This course involves special exercise and calisthenics which enhance total fitness, figure improvement, body toning, weight control, and posture. Students will use balance/fitness balls and light to medium dumbbells to improve overall core strength and balance of the body. May be repeated for up to three (3) credits. AC

4390 01 MW 11:00AM-11:50AM 2015 NIELSEN C

4391	02	TTh	11:00AM-11:50AM	2015	NIELSEN C
4392	03	MW	12:00PM-12:50PM	2015	NIELSEN C
4393	04	TTh	12:00PM-12:50PM	2015	NIELSEN C
4394	26	ARR	ARR		GRAHAM M

Section 26 will be taught at Jazzercise, 824 W 3rd Ave, Moses Lake. Students enrolling in this section will pay Jazzercise for sessions. Contact Mary Graham at 765.4581 for enrollment information.

Physics

PHYS&114 General Physics I with Lab 5

Lab Fee: \$18.00

The first course in an three-quarter algebra-based sequence for students pursuing degrees in biology, pre-dentistry, pre-medicine, pre-veterinary medicine, engineering technology, zoology, and other fields. Students should check with the requirements of their intended baccalaureate institution when considering this sequence. A balance of conceptual understanding and problem-solving ability is emphasized; laboratory and lecture are integrated in the sequence. This first course will begin with an introduction to units and unit conversion, scalars and vectors, and using right-angle trigonometry for analyzing two-dimensional motion, then continue to the study of mechanics: describing motion, with speed, velocity, and acceleration; application of Newton's laws in one and two dimensions; impulse and momentum conservation; work and energy conservation; rotational motion and torque. Biological applications of physics will be studied whenever possible. Prerequisites: Completion of MATH 098 or 099 with 2.0 or higher, or instructor permission; concurrent enrollment in SCI 104 recommended.LS

4452	01	MWTh	10:30AM-11:35AM	1217	HAMM J
Lab		T	02:30PM-04:30PM	1217	HAMM J

PHYS&221 Engineering Physics I w/Lab 5

Lab Fee: \$18.00

The course is an introductory physics course intended for students majoring in science or engineering. This course is the first of a three-quarter sequence. Course content includes the laws of motion, energy, momentum, and static equilibrium. Prerequisite: MATH& 151 or concurrent enrollment. LS

4458	01	MTWTh	09:00AM-10:20AM	1217	HAMM J
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Political Science

POLS&202 American Government 5

From the constitutional convention in Philadelphia (1788) to the most recent presidential elections, this course explores American politics and governmental functions. The focus is on the interaction and structure of the executive, legislative, and judicial branches of the national government, and a survey of the philosophic foundations for the American governmental system. SS

4501	01	MTWTh	01:00PM-02:05PM	1601	RILEY C
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Section 01: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

4502 02 MTWTh 01:00PM-02:05PM 1605 WAITES W

Section 02: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

POLS&203 International Relations 5

An introduction to American foreign policy and global relations, including historical backgrounds, current struggles, and the move toward globalization in the post-cold-war world. SS

4505 01 MTWTh 09:15AM-10:20AM 1601 RILEY C

Section 01: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

4506 02 MTWTh 09:15AM-10:20AM 1605 WAITES W

Section 02: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

Psychology

PSYC&100 General Psychology 5

A broad survey course designed to study human behavior with reference to biology, learning, motivation, emotion, perception, intelligence, human development, mental processes, personality, abnormal behavior, and research. Strongly recommend placement in MATH 095/96 or higher and Placement in ENGL 099 or higher. SS

4552 01 MTWTh 08:00AM-09:05AM 1608 BECK B

4554 02 MTWTh 01:00PM-02:05PM 1611 STAFF

Section 02: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

4555 OL1 ARR ARR LEONARD R

Section OL1: All coursework for this class will be completed online through Canvas. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes for log-in information and further instructions. Fee is \$10.

4556 OL2 ARR ARR LEONARD R

Section OL2: All coursework for this class will be completed online through Canvas. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes for log-in information and further instructions. Fee is \$10.

PSYC&200 Lifespan Psychology 5

This course examines the physical, intellectual, emotional, and social growth and development that occurs throughout the human lifespan. Prerequisite: PSYC& 100. SS

4580 01 MTWTh 11:45AM-12:50PM 1604 HOLLIWAY D

Section 01: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

Religious Studies

REL 201 World Religions 5

Lab Fee: \$10.00

A survey of the origin, development and present beliefs and practices of the world's major religions: Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam. HU

4605 OL1 TTh ARR KNEPP D

Online fee is \$10.

4606 OL2 TTh ARR KNEPP D

Online fee is \$10.

Science

SCI 104 Math for Science and Engineering 2

Lab Fee: \$10.00

Math concepts heavily used by science and engineering coursework are covered. Topics will include (but not be limited to): unit conversions, scientific notation, right angle trigonometry, logarithms and exponents, applications of linear graphs, vectors, and significant figures. All topics will be covered with an emphasis on applications within the sciences. Prerequisites: MATH 095 or MATH 096

4634 OL1 ARR ARR STAFF

Start & end date: 09/30/13 to 10/30/13

All coursework for this class will be completed online via Canvas. Students need to have access to a good, reliable Internet connection. Online fee is \$10.

Sociology

SOC& 101 Intro to Sociology 5

Sociology is the scientific study of human groups and their social systems. Sociologists study how groups are organized and structured, their character and interaction, how groups change, and their impact on individuals. The course focuses on applying the "sociological imagination" which in turn helps students understand and appreciate different societies and cultures both contemporary and historical. Prerequisites: There are no prerequisites. Strongly recommended placement in MATH 095 or higher and placement in English 099 or higher. SS

4640 01 MTWTh 11:45AM-12:50PM 1606 BENDTSEN K

Section 01: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

4642 02 MTWTh 02:15PM-03:20PM 1609 HOLLIWAY D

Section 02: This class includes the use of a Canvas online class site in addition to the traditional classroom. Students will report to the above referenced classroom on the first day of class for additional information.

4645 OL1 ARR ARR HOLLIWAY D

Section OL1: All coursework for this class will be completed online through Canvas. Students need to have access to a reliable Internet connection. Check your Big Bend email the week before classes for log-in information and further instructions. Fee is \$10.

Spanish

SPAN&121 Spanish I 5

Lab Fee: \$10.50

Introduction to the language and culture of the Spanish-speaking world. Skill development in listening, speaking, reading and writing. HU

4700 01 MTWTh 10:30AM-11:35AM 1604 LEAVITT A

4701 02 MTWTh 01:00PM-02:05PM 1604 LEAVITT A

4704 21 MW 06:00PM-08:30PM 1604 MCLAUHLAN N

SPAN&122 Spanish II 5

Lab Fee: \$10.50

Introduction to the language and culture of the Spanish-speaking world. Skill development in listening, speaking, reading and writing. Prerequisite: SPAN& 121 or placement for 122. HU

4710 01 MTWTh 09:15AM-10:20AM 1604 LEAVITT A

Welding

WLD 110 Welding Theory I 5

General view of industrial welding and cutting. Safety rules of oxy-fuel, electric cutting and welding, shielded metal arc welding principles and electrodes.

4830 01 MTWTh 09:15AM-10:20AM 3401 MCDANIEL S

4832 21 MTWTh 05:30PM-06:35PM 3401 KAUPP G

WLD 111 Welding Process I 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Introduction to arc welding processes; welding of E-6010 and various kinds and size of electrodes in all positions, manipulative skills including stringer beads and weave beads on plate and joints with AC and DC welding machines. Night students must earn a total of six credits before going on to the next course. These three credit courses may be repeated for credit up to six credits. Tech Prep credit available.

4840 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

4843 02W Sa 08:00AM-02:30PM 3403 KAUPP G

4845 21 MW 06:35PM-09:35PM 3403 KAUPP G

4847 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 112 Thermal Cutting and Welding 3

Lab Fee: \$31.50

Various techniques of steel cutting with oxy-fuel, air carbon arc, shielded metal arc, plasma arc processes and oxy-acetylene welding and brazing with various metals.

4855 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

4857 02W Sa 08:00AM-02:30PM 3403 KAUPP G

4860 21 MW 06:35PM-09:35PM 3403 KAUPP G

4861 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 121 Welding Process II 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Welding open root corner joints and beveled 3/8" plate, using E-6010 electrodes and ASME performance certification plate tests. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 111.

4880 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

4882 02W Sa 08:00AM-02:30PM 3403 KAUPP G

4885 21 MW 06:35PM-09:35PM 3403 KAUPP G

4886 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 122 Gas Metal Arc Welding I 3

Lab Fee: \$31.50

Materials of carbon steel and stainless steel with 0.035 solid wire and aluminum with 0.030 solid wires. Various joints and thicknesses of materials welded in all positions, using different modes and gases.

4895 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

4896 02 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

4897 03W Sa 08:00AM-02:30PM 3403 KAUPP G

4900 21 MW 06:35PM-09:35PM 3403 KAUPP G

4901 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 130 Welding Theory III 5

Basic welding blueprint reading and interpretations of conventional drafting, symbology, and specialized welding symbols: basic lines and views, dimensions, welding symbols, abbreviations, and pipe welding symbols, NDT symbols and ISO welding symbols. Prerequisite: instructor approval.

4912 01 MTWTh 04:30PM-05:30PM 3401 KAUPP G

WLD 131 Welding Process III 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Using E-7018 electrodes, weld corner joints, bevel plates in all positions and ASME and WABO performance certification tests. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 121.

4920 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

4922 02W Sa 08:00AM-02:30PM 3403 KAUPP G

4924 21 MW 06:35PM-09:35PM 3403 KAUPP G

4925 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 132 Gas Tungsten Arc Welding I (TIG) 3

Lab Fee: \$31.50

The beginning G.T.A.W. process. Freehand techniques for aluminum, carbon steel, stainless steel, copper, and titanium. Using these materials, running beads, butt, lap, edge, corner and T joints in all positions. Also cup walk motion with 3/8" plate in vertical and horizontal positions.

4935 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

4938 02W Sa 08:00AM-02:30PM 3403 KAUPP G

4941 21 MW 06:35PM-09:35PM 3403 KAUPP G

4942 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 151 Technical Drawings Interpretation 3

Basic technical drawings interpretation skills for welding engineering to develop abilities in reading and understanding technical drawings; emphasis on visualization and sketching of multi-view, isometric, schematic and pictorial drawings. Tech Prep credit available. Prerequisite: MAP 101

4950 01 MTW 03:15PM-04:30PM 3401 MCDANIEL S

WLD 190 Skill Improvement 1- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Extra welding time and instruction to enhance student's welding skills and/or update their qualification for testing. This is an open enrollment course offered throughout each quarter. May be repeated for credit; graded on pass-fail basis. Prerequisite: instructor approval.

4980 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

4981 02 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

4983 03W Sa 08:00AM-02:30PM 3403 KAUPP G

4986 21 MW 06:35PM-09:35PM 3403 KAUPP G

4987 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 205 Weld Testing Methods 4

Lab Fee: \$42.00

A survey of methods used to test welds. Course will cover a variety of destructive and non-destructive test methods used in the welding industry. Prerequisite: WLD 130

4995 01 MTWTh 08:00AM-09:05AM 3403 MCDANIEL S

WLD 212 Gas Metal Arc Welding II 3

Lab Fee: \$31.50

Flux cored arc welding with carbon steel and stainless steel using 0.045 flux cored wire following A.W.S. and W.A.B.O. procedure code. Various joints, thicknesses of materials in all positions. Also 1" plate W.A.B.O. unlimited field certification test. Prerequisite: WLD 122.

5025 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5027 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5029 21 MW 06:35PM-09:35PM 3403 KAUPP G

5030 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 241 Structural Weld Process I 6

Lab Fee: \$63.00

This course focuses on student learning of structural connection mockups applying the Shielded Metal Arc and Flux Cored Arc Welding processes. Prerequisite: WLD 131 or instructor approval.

5040 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5042 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5044 21 MW 06:35PM-09:35PM 3403 KAUPP G

5045 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 242 Structural Welding I 3

Lab Fee: \$31.50

An introductory course focusing on fabrication of structural weldments utilizing shielded metal arc welding and flux cored arc welding on structural connections. Prerequisite: WLD 212 or instructor approval.

5050 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5052 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5054 21 MW 06:35PM-09:35PM 3403 KAUPP G

5055 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 243 Structural Weld Process II 6

Lab Fee: \$63.00

A structural welding course focusing on student application of Shielded Metal and Flux Cored Arc Welding processes on large outdoor structural weldments in accordance with drawings. Prerequisite: WLD 241 or instructor approval.

5060	01	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
5061	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5062	21	MW	06:35PM-09:35PM	3403	KAUPP G
5063	22	TTh	06:35PM-09:35PM	3403	KAUPP G

WLD 244 Submerged Arc Welding 3

Lab Fee: \$31.50

This course focuses on student learning of submerged arc welding process which entails an arc that takes place beneath a bed of granular flux. This is a high deposition industrial orientated welding process that is used to manufacture light to heavy weldments. Prerequisite: WLD 242 or instructor approval.

5070	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL S
5071	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5072	21	MW	06:35PM-09:35PM	3403	KAUPP G
5073	22	TTh	06:35PM-09:35PM	3403	KAUPP G

WLD 245 Structural Weld Process III 6

Lab Fee: \$63.00

A structural welding course focusing on student application of Shielded Metal and Flux Cored Arc Welding processes on large outdoor structural weldments in accordance with drawings. Prerequisite: WLD 241 or instructor approval.

5080	01	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
5081	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5082	21	MW	06:35PM-09:35PM	3403	KAUPP G
5083	22	TTh	06:35PM-09:35PM	3403	KAUPP G

WLD 261 Production Weld Process I 6

Lab Fee: \$63.00

An introductory course focusing on student learning of production welding techniques by applying the Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes. Prerequisite: WLD 131 or instructor approval.

5095	01	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
5097	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5099	21	MW	06:35PM-09:35PM	3403	KAUPP G
5100	22	TTh	06:35PM-09:35PM	3403	KAUPP G

WLD 262 Production Welding I 3

Lab Fee: \$31.50

This course focuses on student learning of production welding within a shop setting. Prerequisite: WLD 212 or instructor approval.

5105 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S
 5107 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5109 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5110 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 263 Production Weld Process II 6

Lab Fee: \$63.00

An intermediate course that focuses on student learning of production welding techniques by applying the Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes on large parts in accordance with drawings. Prerequisite: WLD 261 or instructor approval.

5115 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S
 5117 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5118 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5119 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 264 Advanced Weld Process 3

Lab Fee: \$31.50

An advanced course focusing on student learning of welding processes such as pulsed gas metal arc, pulsed gas tungsten arc, and welding on advanced materials i.e., titanium and inconel. Prerequisite: WLD 262

5125 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S
 5127 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5128 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5129 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 265 Production Weld Process III 6

Lab Fee: \$63.00

An advanced production welding course focusing on application of Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes on small parts in accordance with drawings. Parts will be welded in student manufactured fixtures. Prerequisite: WLD 263 or instructor approval.

5135 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S
 5137 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5138 21 MW 06:35PM-09:35PM 3403 KAUPP G

5139 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 281 Pipe Welding I 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Students will be introduced to pipe welding 1G, 2G, 5G, and 6G positions using E-6010 electrodes with schedule 60, 80, 100, 120 and various size pipes. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 131

5150 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5152 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5153 21 MW 06:35PM-09:35PM 3403 KAUPP G

5154 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 282 Gas Tungsten Arc Welding II (TIG) 3

Lab Fee: \$31.50

This course introduces students to carbon steel pipe welding in 1G, 2G, 5G, and 6G positions using cup walk methods with 1/8" electrodes on schedule 60 and other various sizes of pipe. Prerequisite: WLD 132

5160 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5162 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5164 21 MW 06:35PM-09:35PM 3403 KAUPP G

5165 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 283 Pipe Welding II 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Students will enhance carbon steel pipe welding in 1G, 2G, 5G, and 6G positions using E-6010 and E-7018 electrodes with schedule 60, 80, 100 and 120 pipes and various other sizes of pipes. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 281

5170 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5172 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5174 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 284 Gas Tungsten Arc Welding (TIG) III 3

Lab Fee: \$31.50

Students will use advanced skills on carbon steel pipe in the 2G, 5G, 6G positions, carbon steel pipe with stainless steel rods and stainless steel pipe in the 2G, 5G, and 6G positions. Prerequisite: WLD 282

5180 01 MTWTh 10:25AM-11:45PM 3403 MCDANIEL S

5182 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5184 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5185 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 285 Pipe Welding III 6

Lab Fee: \$63.00

This course focuses on pipe welding 1G, 2G, 5G, and 6G positions using E-6010 and E-7018 rods and a combination of G.T.A.W and S.M.A.W. process with schedule 40, 60, 80, 100, 120 and various other sizes of pipes. Prerequisite: WLD 283

5190 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S
 5192 02W Sa 08:00AM-02:30PM 3403 KAUPP G
 5193 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5194 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 290 Skill Improvement II 1- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Extra welding time and instruction to enhance student's welding skills and/or update their qualification for testing. This is an open enrollment course offered throughout each quarter. May be repeated for credit; graded on pass-fail basis. Prerequisite: instructor approval.

5200 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S
 5201 02 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S
 5203 03W Sa 08:00AM-02:30PM 3403 KAUPP G
 5204 21 MW 06:35PM-09:35PM 3403 KAUPP G
 5205 22 TTh 06:35PM-09:35PM 3403 KAUPP G

WLD 295 Work Based Learning 1- 6

Variable Credit Lab Fees are calculated at the highest rate

A supervised work experience in the welding technology field to enhance the application of classroom instruction and skills and/or area of specialization approved by the program instructor. May be repeated up to twelve (12) credits. Prerequisite(s): Instructor approval and concurrent enrollment in WLD 297.

5210 01 ARR ARR 3400 MCDANIEL S

WLD 297 Work Based Learning Seminar 1

Feedback and discussion to integrate and relate Work Based Learning and classroom based instruction. Work ethic, leadership, safety and occupational health, environmental issues, and other student generated topics are examined. May be repeated up to six (6) credits. Co-requisite: WLD 295.

5215 01 ARR ARR 3400 MCDANIEL S