

Fall 2014 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 262 Introduction to Quickbooks 2

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 MTWTh 11:45AM-12:35PM 1602 WILKS P

Start & end date: 10/06/14 to 12/04/14

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& 201

1118 OL1 ARR ARR SIEVERKROPP

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 01H MW 10:30AM-12:30PM 1702 BAIR N

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course.

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.

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.

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 or higher. SS

1180 01 MTWTh 10:30AM-11:35AM 1611 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& 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

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 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

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 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-01:50PM 1217 HAMM J

Lab W 02:00PM-04:00PM 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: 09/22/14 to 09/25/14

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: 09/29/14 to 12/10/14

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 STAFF

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 STAFF

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 BCC 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 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 SWEDBURG JM

1406 22 TTh 04:00PM-06:30PM 3015 MACDOUGALL J

1407 23 TTh 04:00PM-06:30PM 3024 STAFF

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 STAFF

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 STAFF

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 STAFF

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 STAFF

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

Community Ed 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 STAFF

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 STAFF

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 STAFF

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 STAFF

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 STAFF

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 STAFF

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 STAFF

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 STAFF

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 STAFF

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 STAFF

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 STAFF

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 STAFF

Aviation Maintenance (1st year)

AMT& 101 Basic Electricity 5

Lab Fee: \$57.50

Students will learn direct current circuits, series and parallel circuit arrangements and their application, understand the relationship of voltage, current, resistance, and power, calculating and measuring these values and understand the operation of the multimeter and its use in troubleshooting. This course is FAA approved under 14 CFR part 147

1525 01 MTWTh ARR 3200 DANNENBERG K

AMT& 111 Math & Physics 3

Students will perform all of the mathematical computations required in the Aviation Maintenance Technician curriculum. Students will understand the scientific principles that apply to the operation of aircraft, and the equipment that the aviation maintenance technician will be in daily contact with. Prerequisites: Successful completion of MATH 080 or BCC Math placement score into MATH 090 or above. Must be enrolled in the Aviation Maintenance Technology program.

1528 01 MTWTh ARR 3200 DANNENBERG K

AMT& 121 Weight & Balance 3

Lab Fee: \$34.50

Students will develop a comprehensive understanding of the importance of weight and balance to aircraft safety, and make all of the required calculations for weight and balance checks, equipment changes, extreme loading checks and the addition of ballast.

1531 01 MTWTh ARR 3200 DANNENBERG K

AMT& 131 Corrosion/Fluid Lines and Fittings 2

Lab Fee: \$23.00

Students will recognize types of corrosion and know their causes, identify and use the proper materials and processes to remove corrosion byproducts, treat corroded areas and apply proper protection. Students will identify fluid line components, fabricate rigid and flexible fluid lines, and properly install fluid lines on aircraft.

1534 01 MTWTh ARR 3200 DANNENBERG K

AMT& 141 Aircraft Drawings 1

Lab Fee: \$11.50

Students will sketch aircraft repairs and alterations and understand information presented on typical aircraft blueprints, graphs and charts

1537 01 MTWTh ARR 3200 DANNENBERG K

AMT& 151 Ground Ops & Servicing 2

Lab Fee: \$23.00

Students will gain a thorough understanding of the importance of safe ground handling procedures, aircraft movement and storage and identify aviation fuels.

1540 01 MTWTh ARR 3200 DANNENBERG K

AMT& 161 Materials & Processes 4

Lab Fee: \$46.00

Students will be responsible for identification and selection of non-destructive testing methods. Student will be responsible for dye-penetrant, eddy current, ultrasound, and magnetic particle inspections. Students will know basic heat-treating processes and aircraft hardware and materials. Student will inspect and check welds and perform precision measurements

1543 01 MTWTh ARR 3200 DANNENBERG K

AMT 193 General Lab 1- 4

Lab Fee: \$46.00

Variable Credit Lab Fees are calculated at the highest rate

Lab hours required to complete General.

1550 01 MTWTh ARR 3200 DANNENBERG K

Aviation Maintenance (2nd year)

AMT 149 AMT Airframe Electricity 3

This course covers aircraft electrical systems, electrical generators motors and regulators, aircraft communication and navigation systems. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval

1554 01 ARR ARR 3200 BORG C

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 249 AMT Powerplant Electricity 2

This course covers the theory of engine electrical systems, electrical generators, alternators, motors and regulators. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1578 01 ARR ARR 3200 MOORE D

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	MTWTh	08:15AM-09:05AM	1252	DUVALL K
Lab		M	01:00PM-03:00PM	1211	DUVALL K
1602	02	TWTh	10:30AM-11:35AM	1252	WHITNEY M
Lab		M	10:30AM-12:30PM	1211	WHITNEY M
1604	OL1	ARR	ARR		HALEY G
Lab		ARR	ARR		HALEY G

Section OL1: Course work will be completed online via Canvas. Students participate in online discussion forums, class activities, & submit assignments online; labs are completed online. Proctored exams are required. Online fee is \$10.

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	MTW	09:15AM-10:20AM	1203	WHITNEY M
		F	08:00AM-10:00AM	1211	WHITNEY M
1612	02	MTTh	11:45AM-12:50PM	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 1202 DUVALL K

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

1616 02H ARR ARR DUVALL K

Lab T 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 INSTRUCTORS PERMISSION

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

Lab TTh 01:00PM-03:00PM 1209 JACOBS B

1632 02H ARR ARR JACOBS B

Lab TTh 01:00PM-03:00PM 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 1607 STAFF

BUS 114 Business Ethics 5

This course studies and analyzes ethical issues facing the world of business and society today and identifies approaches available when dealing with or resolving complex 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 J

1722 21 MW 04:30PM-06:15PM 1608 STAFF

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. Prerequisite: BUS121 or ENGL&101.

1736 01H W 10:30AM-12:50PM 1721 BERRY-GUERIN

This is a hybrid course. Students need to have access to a good, reliable Internet connection. Class will meet on Wednesdays from 10:30 a.m. to 12:50 p.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 1610 MICHIE L

Business Information Management**BIM 101 Basic Keyboarding 1- 2**

Lab Fee: \$17.20

Variable Credit Lab Fees are calculated at the highest rate

This course gives emphasis to learning the keyboard; namely, the alphabet, numbers, and symbols. This course is designed for the individual who has never taken a keyboarding class, who may want to renew keyboarding skills, or who wants to change keyboarding habits.

1795 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

This is not an online course; it is a scheduled class with specific deadlines. You are required to attend the first week of the course for orientation and the third and seventh weeks of the course for evaluation. The BIM classroom hours are Monday-Thursday 8:00-11:35 a.m. and 1:00-4:30 p.m.

1796 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

This is not an online course; it is a scheduled class with specific deadlines. You are required to attend the first week of the course for orientation and the third and seventh weeks of the course for evaluation. The BIM classroom hours are Monday-Thursday 8:00-11:35 a.m. and 1:00-4:30 p.m.

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: BIM101 / 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 8:00-11:30 a.m. and 1:00-4:30 p.m.

BIM 103 The Administrative Professional 2

Lab Fee: \$10.00

This course is an introduction to the administrative professional career.

1806 01H ARR ARR 1612 STAFF

This course is designed for BIM program students. Two days of attendance are required. Attendance is required on Wednesday, October 1, at 2:30 p.m. or Thursday, October 2 at 9:30 a.m. and Wednesday, December 3 at 2:30 p.m. or Thursday, December 4 at 9:30 a.m. This is a hybrid course. Students need to have access to a good, reliable Internet connection. Online fee is \$10.

BIM 104 Intermediate 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: BIM 101/Basic Keyboarding Skills

1814 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by September 24. The BIM classroom hours are Mon-Thur 8:00-11:30 a.m. and 1:00-4:30 p.m.

1815 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

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 8:00-11:30 a.m. and 1:00-4:30 p.m.

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: 09/22/14 to 11/06/14

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by September 24. The BIM classroom hours are Mon-Thur 8:00-11:30 a.m. and 1:00-4:30 p.m.

1818 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

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 8:00-11:30 a.m. and 1:00-4:30 p.m.

BIM 109 Internet Communications 1

Lab Fee: \$8.60

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

1823 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by September 24. The BIM classroom hours are Mon-Thur 8:00-11:30 a.m. and 1:00-4:30 p.m.

1824 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

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 8:00-11:30 a.m. and 1:00-4:30 p.m.

BIM 110 Microsoft Office Essentials 1- 3

Lab Fee: \$25.80

Variable Credit Lab Fees are calculated at the highest rate

This course is an introduction to Microsoft Office Suite 2013. This course is not intended for Business Information Management majors. Credit cannot be earned in both BIM 110 and BIM 108.

1825 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

Attendance is required for orientation by September 24. The BIM classroom hours are Monday-Thursday 8:30-11:35 a.m. and 1:00-4:30 p.m.

1827 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check Canvas on the first day of class for further instruction. Attendance in Room 1613 is required for all testing. The BIM classroom hours are Monday-Thursday 8:00-11:35 a.m. and 1:00-4:30 p.m.

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

This is not an online course; it is a self-paced course that requires daily attendance. Attendance is required for orientation by September 24. The BIM classroom hours are Mon-Thur 8:00-11:30 a.m. and 1:00-4:30 p.m.

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

Attendance is required for orientation by September 24. The BIM classroom hours are Monday-Thursday 8:30-11:35 a.m. and 1:00-4:30 p.m.

BIM 116 Intro to the Medical Office 2

Lab Fee: \$10.00

This class will focus on telephone and collection techniques for medical business office personnel. The course will cover receptionist skills, making appointments and referrals, retrieving billing information, collection practices, consumer protection, bankruptcy laws, and handling patient concerns and questions. Prerequisites: HED 150 & 151; introductory computing class or approval of instructor.

1846 01H MTWTh ARR 1612 STAFF

Two days of attendance are required. Attendance is required on Monday, October 6, at 2:30 p.m. or Tuesday, October 7 at 9:30 a.m. and Monday, December 1 at 2:30 p.m. or Tuesday, December 2 at 9:30 a.m. This is a hybrid course. Students need to have access to a good, reliable Internet connection. Online fee is \$10.

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 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

This is not an online course; it is a self-paced course that requires regular attendance. The BIM classroom hours are Monday-Thursday 8:00-11:30 a.m. and 1:00-4:30 p.m.

1852 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

This is not an online course; it is a self-paced course that requires regular attendance. The BIM classroom hours are Monday-Thursday 8:00-11:30 a.m. and 1:00-4:30 p.m.

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 2013. The focus is to learn functions of Word 2013, to apply these functions to business situations, and begin preparing students for the Microsoft Office Specialist exam. Tech Prep credit available. Prerequisite: BIM102 or instructor permission

1860 01 MTWTh ARR 1613 BERRY-GUERIN

Attendance is required for orientation by September 24. The BIM classroom hours are Monday-Thursday 8:30-11:35 a.m. and 1:00-4:30 p.m.

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 Permission.

1866 01 MTWTh ARR 1613 BERRY-GUERIN

The BIM classroom hours are Monday-Thursday 8:00-11:35 a.m. and 1:00-4:30 p.m.

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 2013 - Word, Excel, Access, PowerPoint, and Integration. This course is intended for Business Information Management and Accounting students. Prerequisite: BIM102/OFF102 and successful completion of MPC090/MATH090/MATH094 or BCC Placement Exam into MATH095 or higher.

1870 01 MTWTh ARR 1613 BERRY-GUERIN

Attendance is required for orientation by September 24. The BIM classroom hours are Monday-Thursday 8:30-11:35 a.m. and 1:00-4:30 p.m.

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 an introduction to Microsoft Word. It is not intended for Business Information Management Program students.

1875 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

Attendance is required for orientation by September 24. The BIM classroom hours are Monday-Thursday 8:30-11:35 a.m. and 1:00-4:30 p.m.

1877 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check Canvas on the first day of class for further instruction. Attendance in Room 1613 is required for all testing. The BIM classroom hours are Monday-Thursday 8:00-11:35 a.m. and 1:00-4:30 p.m.

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. It is not intended for Business Information Management Program students. Prerequisite: Successful completion of MATH90 or BBCC placement exam into MATH095 or higher.

1880 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

Attendance is required for orientation by September 24. The BIM classroom hours are Monday-Thursday 8:30-11:35 a.m. and 1:00-4:30 p.m.

1881 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check Canvas on the first day of class for further instruction. Attendance in Room 1613 is required for all testing. The BIM classroom hours are Monday-Thursday 8:00-11:35 a.m. and 1:00-4:30 p.m.

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 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

Attendance is required for orientation by September 24. The BIM classroom hours are Monday-Thursday 8:30-11:35 a.m. and 1:00-4:30 p.m.

1886 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check Canvas on the first day of class for further instruction.

Attendance in Room 1613 is required for all testing. The BIM classroom hours are Monday-Thursday 8:00-11:35 a.m. and 1:00-4:30 p.m.

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 provides an introduction to Microsoft PowerPoint. It is not intended for Business Information Management Program students. Prerequisite: Successful completion of MATH90 or BBCC placement exam into MATH095 or higher.

1890 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

Attendance is required for orientation by September 24. The BIM classroom hours are Monday-Thursday 8:30-11:35 a.m. and 1:00-4:30 p.m.

1891 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check Canvas on the first day of class for further instruction. Attendance in Room 1613 is required for all testing. The BIM classroom hours are Monday-Thursday 8:00-11:35 a.m. and 1:00-4:30 p.m.

BIM 210 Internet 1- 2

Lab Fee: \$17.20

Variable Credit Lab Fees are calculated at the highest rate

This course is an introduction to the Internet, web browsers, search engines, and search techniques.

1920 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 09/22/14 to 11/06/14

This is not an online course; it is a self-paced course that requires regular attendance. The BIM classroom hours are Monday-Thursday 8:00-11:30 a.m. and 1:00-4:30 p.m.

1921 02H ARR ARR 1613 BERRY-GUERIN

Start & end date: 10/13/14 to 12/04/14

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check Canvas on the first day of class for further instruction. Attendance in Room 1613 is required for all testing. The BIM classroom hours are Monday-Thursday 8:00-11:35 a.m. and 1:00-4:30 p.m.

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 01 MTWTh ARR 1613 BERRY-GUERIN

Students need to have access to a reliable computer and Internet connection OR work in Room 1613. Check Canvas on the first day of class for further instruction. Attendance in Room 1613 is required for all testing.

BIM 280 Advanced Microsoft Office 1- 5

Lab Fee: \$474.25

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 2013. This course consists of five modules--Word, Excel, Access, PowerPoint. Students will complete a certified MOS exam at the end of each module. Prerequisite: BIM180 and successful completion of BUS102-Business Mathematics, BCC placement exam into MATH099 or higher, or successful completion of all MATH095 modules.

1942 01 MTWTh ARR 1613 BERRY-GUERIN

Attendance is required for orientation by September 24. The BIM classroom hours are Monday-Thursday 8:30-11:35 a.m. and 1:00-4:30 p.m. The lab fees include the testing fee for each credit registered.

BIM 281 MS Office Integration 1

Lab Fee: \$8.60

This course is a continuation from BIM280 and introduces the advanced integration capabilities of MS Office 2013. Prerequisite: Successful completion of all BIM 280 modules.

1944 01 MTWTh ARR 1613 BERRY-GUERIN

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 scientific literacy in non-science majors. This class can also provide some preparation for students with a limited chemistry background planning to

continue on to CHEM& 121. Prerequisite: Passing grade in MATH 090/094 or placement in MATH 095/096. NS

1950 01 MTWTh 01:00PM-02:05PM 1203 GROCE L

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 GROCE L

Lab M 02:15PM-04:15PM 1216 GROCE L

1967 02 MTWTh 10:30AM-11:20AM 1218 GROCE L

Lab T 02:15PM-04:15PM 1216 GROCE L

CHEM&161 General Chem w/Lab I 5

Lab Fee: \$18.00

The first 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. Prerequisite: Placement in college level math or completion of Math 99 or Math 98. A passing grade in High School Chemistry or completion of CHEM& 121 recommended. (LS) (F)

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	1608	STAFF
2018	03	MTW	09:15AM-10:05AM	1608	STAFF
2019	04	MTW	09:15AM-10:05AM	1702	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	1604	STAFF
2023	08	MTW	01:00PM-01:50PM	1608	WADE V
2025	09	MTW	01:00PM-01:50PM	1702	STAFF
2027	OL1	ARR	ARR		DELEON J

Online fee is \$10.

2028	OL2	ARR	ARR		STAFF
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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
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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.

CSS 105 Introduction to Healthcare Studies 3

This course provides the foundation for understanding the educational responsibilities of choosing a career in the healthcare field. Students will identify the scope of education and practice of various members of the healthcare profession in order to develop an educational and career plan. Additional key topics include test-taking preparation, critical thinking, leadership skills, communication styles, ethical decision making, note-taking and study tactics, and accessing reference sources.

2064 01H W 08:00AM-09:00AM 1721 ELLIOTT A

Commercial Driver's License

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, Guillermo Garza at 793.2221, or Julia Gamboa at 793.2045.

Communications

CMST 100 Human Communications 4

This course will provide students with applied communication skills. Students will learn practical application of small group presentations, conflict resolution and increased confidence in personal communication skills. Exemplifying self-concept, perception, verbal and non-verbal attributes and attitudes experienced between family, friends, and employment relationships.

2080 21 TTh 04:30PM-06:15PM 1607 STAFF

CMST&102 Intro to Mass Media 5

Lab Fee: \$10.00

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 OL1 ARR ARR VALDEZ R

Online fee is \$10.

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 2031 POTH MITCH

2091 02 MTWTh 08:00AM-09:05AM 2032 POTH M

2092 03 MTWTh 09:15AM-10:20AM 1609 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 MITCH

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 M ARR 1509 STAFF

Mandatory orientation on 9/22 in room 1509 at 5:00-5:50 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 TWTh 06:00PM-06:50PM 1509 STAFF

Co-requisite: CS 105. Students will be automatically enrolled in 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 MTW 05:00PM-05:50PM 1509 STAFF

Co-requisite: CS 104. Students will be automatically enrolled in 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, and XenServer, and implementing a secure virtual environment. Prerequisite: CS 105

2117 21 MW 06:00PM-08:30PM 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 07:00PM-08:15PM 1509 STAFF

CS 111 Intro to Programming 5

Lab Fee: \$37.00

An introductory programming course using the .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: MATH 095/096 or concurrent enrollment.

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. Prerequisite: MATH& 141 or concurrent enrollment. SE

2150 OL1 MTWTh ARR STAFF

CS 157 Cisco Networking 1:Part II 5

Lab Fee: \$37.00

This is the second of two courses comprising the Cisco ICND1 Part 1 training and continues the concepts learned from CS 156. The course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small branch office enterprise network including configuring a switch, a router, connecting to a WAN, and implementing network security. The purpose of the course is to prepare students to take the Cisco CCNA Exam 640-802 and ICND1 Exam 640-822. Prerequisite: CS 156

2161 21 TTh 05:00PM-08:00PM 1511 GUZMAN NOE

CS 159 Cisco Networking 2: Part II 5

Lab Fee: \$37.00

This course is a continuation of CS 158 and focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small to medium-size branch office enterprise network, including configuring several switches and routers, connecting to a WAN and implementing network security. The course's purpose is to cover the technical knowledge and skills in order for students to take the Cisco CCNA exam 640-802 and ICND2 exam 640-816. Prerequisite(s): CS 158

2164 21 TTh 05:00PM-08:00PM 1511 GUZMAN NOE

CS 195 Internship: Work Based Learning 1- 4

Variable Credit Lab Fees are calculated at the highest rate

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. Prerequisite: 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. Prerequisite: Concurrent enrollment in CS 195.

2172 01 ARR ARR SHANNON M

CS 251 Programming with C# 5

Lab Fee: \$37.00

This course covers the design and programming concepts using C#. Students will learn the fundamental skills required to design and develop object-oriented applications for the Web and Microsoft Windows by using Microsoft C# and the Microsoft Visual Studio .NET development environment. Prerequisite: MATH 095/096

2175 01 MTWTh 02:15PM-03:20PM 1511 STAFF

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 1508 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 1609 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.

2207 21 TTh 06:30PM-08:50PM 1609 STAFF

Section 21 incorporates traditional class time and a distance education component. Students need to have access to a reliable internet connection. Attend the first day of scheduled class for further instructions.

2208 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 Intro to Early Childhood Ed 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 M 06:00PM-08:00PM 1611 NIGHSWONGER

Two faculty will be co-teaching this class. One faculty member focuses on professional technical skills while the other focuses on basic & study skills. Pre and post CASAS testing required. Class meets 9/23, 10/7, 10/21, 11/4, 11/18, 12/9. (Formerly ECE 100)

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 T 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. Class meets 9/23, 10/14, 11/4, 12/9. (Formerly ECE 135)

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 MATH095 or higher and placement in ENGL 099 or higher. SS

2320 01 MTWTh 08:00AM-09:05AM 1609 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 Th 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. (Formerly EDUC 102)

EDUC&150 Child/Family/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 REDMOND S

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 six hours per week throughout the quarter. Can be repeated up to nine credits. Prerequisites: ECED& 120 or EDUC& 201 or instructor permission. Prior to registering for this course, students must be cleared through the National Sex Offender Registry system, pass Washington State Patrol background check, provide results of a negative Tuberculin skin test within the last year and obtain WEA liability insurance. Upon placement, students must also pass a background check with their hosting agency. PREQUISITE: ECED& 120 or EDUC& 201 or instructor permission.

2390 21H 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.

2391 22H 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.

2392 23H 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
 2526 21 TTh 05:00PM-07:20PM 1610 STAFF

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 1855B 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 1702 STAFF
 2547 02 MTWTh 08:00AM-09:05AM 1606 CLOSE S
 2548 03 MTWTh 09:15AM-10:20AM 1606 STODDARD C
 2549 04 MTWTh 09:15AM-10:20AM 1855A STAFF
 2550 05 MTWTh 10:30AM-11:35AM 1605 STODDARD C
 2551 06 MTWTh 10:30AM-11:35AM 1909 SULLIVAN M
 2552 07 MTWTh 11:45AM-12:50PM 1605 STAFF

2553 08 MTWTh 11:45AM-12:50PM 1909 SULLIVAN M
 2554 09 MTWTh 11:45AM-12:50PM 1855A STAFF
 2555 10 TTh 01:00PM-03:30PM 1606 STAFF
 2556 21 TTh 06:00PM-08:30PM 1855B STAFF
 2557 OL1 ARR ARR RASMUSSEN P

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: Passing score in ENGL&101

2560 01 MTWTh 08:00AM-09:05PM 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 STAFF
 2577 21 MTWTh 04:30PM-05:20PM TBD STAFF

ENGL 212 Creative Writing: Poetry 5

A course designed to increase creativity and writing skills in poetry. Emphasis is on analysis and writing of poetry in modern and contemporary forms Prerequisite: ENGL& 101 or instructor permission. (Formerly ENG 212) HU

2594 01 MTWTh 11:45AM-12:50PM 1615 STODDARD C

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 TTh 05:30PM-07:45PM 1252 STAFF

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

Books are required. Class meets 9/26, 10/3, 10/10.

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

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

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

Books are required. Class meets 10/17, 10/24, 10/31.

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

Books are required. Class meets 11/7, 11/14, 11/21.

French

FRCH&121 French I 5

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

2700 01 MTWTh 08:00AM-09:05AM 1604 MCCARTHY J

FRCH&122 French II 5

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

2705 01 MTWTh 08:00AM-09:05AM 1604 MCCARTHY J

FRCH&123 French III 5

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

2710 01 MTWTh 08:00AM-09:05AM 1604 MCCARTHY J

Health Education

HED 121 The Human Body and Disease I 5

Lab Fee: \$10.00

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 01H TTh 02:00PM-04:00PM 1722 STAFF

2802 OL1 ARR ARR DE HOOG J

HED 123 The Human Body and Disease III 5

Lab Fee: \$10.00

This is the third course in a three-part course sequence examining body structure, function and disease. This course focuses on the musculoskeletal, the nervous, and sensory systems, and mental health. Developmental, congenital, and childhood conditions are included. Common diagnostic tests/treatments, pharmacological agents, and possible prognoses for common disease processes are included. There is no lab component. Prerequisite: Completion of HED 122 with a minimum grade of 2.0.

2820 01H TWTh 09:15AM-10:45AM 1722 OHS K

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 01 MTW 09:15AM-10:05AM 1721 VARGAS S

2832 21H W 05:30PM-06:50PM 1722 MOTZKUS P

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 DE HOOG J

HED 239 Medical Ethics 2

This course introduces ethical and legal issues facing medical professionals.

2850 21H M 05:30PM-06:50PM 1722 MOTZKUS P

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 08:00AM-09:05AM 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 10:30AM-11:35AM 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.

SS

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: English 101 or instructor permission

3000 01 MTWTh 11:45AM-12:50PM 1606 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 STAFF

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 AYERS J

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 ATRY 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 ATRY 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 ATRY 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 ATRY 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 AYERS J

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 AYERS J

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. Prerequisite: Direct placement through the Math Placement Test or instructor permission.

3236 01 MTWTh 11:45AM-12:50PM 1610 ERICKSON L

3237 02 MTWTh 01:00PM-02:05PM 1609 STAFF

3238 21 MW 05:00PM-07:20PM 1609 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 10:30AM-11:35AM 1203 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 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.

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

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 KNEPP D

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 1910 STAFF

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 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.

3269 CL2 MTWTh 09:15AM-10:20AM 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.

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 KNEPP D

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: BBCC 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 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.

3279 CL2 MTWTh 09:15AM-10:20AM 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.

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 KNEPP D

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 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.

3289 CL2 MTWTh 09:15AM-10:20AM 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.

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 KNEPP D

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 1611 STAFF

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

Lab Fee: \$18.00

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 08:00AM-09:05AM 1219 LANE S

3301 OL1 ARR ARR ABED S

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 09:15AM-10:20AM 1219 WHITNEY B

3317 02 MTWTh 10:30AM-11:35AM 1202 FARAG S

3318 03 MTWTh 11:45AM-12:50PM 1219 WHITNEY B

3319 04 MTWTh 01:00PM-02:05PM 1202 FARAG S

MATH&142 Precalculus II 5

Lab Fee: \$18.00

In preparation for calculus this is a comprehensive study of trigonometry, circular functions, right triangle trigonometry, analytical trigonometry. Sequences, series and induction are also covered. Prerequisite: MATH &141 MS/SQR

3320 01 MTWTh 08:00AM-09:05AM 1203 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 08:00AM-09:05AM 1202 ABED S

3331 02 MTWTh 09:15AM-10:20AM 1252 FARAG S

3333 03 MTWTh 11:45AM-12:50PM 1203 WALLACE T

3334 04 MTWTh 01:00PM-02:05PM 1252 WHITNEY B

MATH&151 Calculus I 5

Lab Fee: \$18.00

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&152 Calculus II 5

Lab Fee: \$18.00

This course will expand on the applications and techniques of differentiation learned in the first quarter and give a depth study of integration including the fundamental methods of integrating elementary algebraic and transcendental functions. It will include the applications of the calculus to transcendental functions, analytical geometry and other relevant topics. Prerequisite: MATH& 151 or instructor permission. MS/SQR

3355 01 MTWTh 10:30AM-11:35AM 1250 ABED 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. Prerequisite: MATH&163 or permission of instructor. MS

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

Math (Applied)

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 WYNDER D

3392 21 MTWTh 04:30PM-05:35PM 4103 STAFF

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 MATERN S

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 01H F 08:00AM-03:00PM 1722 OHS K

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 01:00PM-02:05PM 1134 PATTERSON P

MUSC 110 Chorus 1

A community mixed chorus, open to all students and community residents. Music of different styles and various historical periods is prepared for a quarterly performance. HP

3610 01 TWTh 11:45AM-12:30PM 1134 PATTERSON P

Additional hours by arrangement.

MUSC 115 Group Piano I 2

Group piano instruction for beginners and intermediates. 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.

3632 02 TTh 02:15PM-03:20PM 1134 PATTERSON P

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

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 09:15AM-10:20AM 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 06:00AM-03:00PM 1721 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 OHS K

Class orientation and assignments are accessed online through Canvas. Mandatory in class final on November 14 at 9:00 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 3, 4, and 5 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	CHRISTIAN K

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
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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	1910	CHRISTIAN M
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 10:30AM-11:35AM	1608	KNEPP D
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4202 02 MTWTh 01:00PM-02:05PM 1219 LANE S

4204 OL1 ARR ARR KNEPP D

Online fee is \$10.

PHIL&120 Symbolic Logic 5

Lab Fee: \$10.00

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

4216 OL1 ARR ARR CAREY B

Online fee is \$10.

Physical Education

PEH 090 Recreational Gym 0

Community Ed Fee: \$27.70

This activity permits the use of BBCC Gym facilities during available hours by individuals who are not students registered at BBCC. 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 2031 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

Meet your instructor in the gym on Monday, September 22, between 10:30 a.m. and 1:00 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

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

Meet your instructor in the gym on Monday, September 22, from 1:00-2:00 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

4362 03 ARR ARR 2012 DOUMIT P

Meet your instructor in the gym on Monday, September 22, from 1:00-2:00 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

4363 04 ARR ARR 2012 DUNCAN S

Meet your instructor in the gym on Tuesday, September 23, from 1:00-2:00 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class. Instructor can be reached at 793.2232.

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

Meet your instructor in the gym on Monday, September 22, from 1:00-2:00 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

4376 02 ARR ARR 2012 DE HOOG M

Meet your instructor in the gym on Monday, September 22, in room 2005. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

4377 03 TTh ARR 2012 MOFFITT R

Meet your instructor in the gym on Monday, September 22, between 10:30 a.m. and 1:00 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

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

Meet your instructor in the gym on Monday, September 22, from 1:00-2:00 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

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 10:30AM-11:20AM 2015 NIELSEN C

4392 02 MW 11:45AM-12:35PM 2015 NIELSEN C

4393 03 TTh 11:45AM-12:35PM 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. AC

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 MTWTh 10:30AM-11:20AM 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 09:15AM-10:05AM 1217 HAMM J

Lab M 02:30PM-04:30PM 1217 HAMM J

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

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 1611 STAFF

4555 02 MTWTh 02:15PM-03:20PM 1609 LEONARD R

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.

4556 OL1 ARR ARR LEONARD R

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

PSYC&200 Lifespan Psychology 5

Lab Fee: \$10.00

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

4580 OL1 ARR ARR HOLLIWAY D

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

Religious Studies

REL 211 Religion in America 5

Lab Fee: \$10.00

A study of American religious groups, principally Christian denominations, including selected sects and cults. Various beliefs and practices will be examined in light of historical and social influences. HU

4618 OL1 ARR 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 PETERSON J

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 MW 01:00PM-03:20PM 1611 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.

4642 02 TTh 01:00PM-03:20PM 1611 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.

4645 OL1 ARR ARR STAFF

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 GILBERT C

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

Instructor permission required.

4843 02W Sa 08:00AM-02:30PM 3403 GILBERT C
 4845 21 MW 06:35PM-09:35PM 3403 GILBERT C
 4847 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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

Instructor permission required.

4857 02W Sa 08:00AM-02:30PM 3403 GILBERT C

4860 21 MW 06:35PM-09:35PM 3403 GILBERT C

4861 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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

Instructor permission required.

4882 02W Sa 08:00AM-02:30PM 3403 GILBERT C

4885 21 MW 06:35PM-09:35PM 3403 GILBERT C

4886 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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

Instructor permission required.

4897 03W Sa 08:00AM-02:30PM 3403 GILBERT C

4900 21 MW 06:35PM-09:35PM 3403 GILBERT C

4901 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C

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

Instructor permission required.

4922 02W Sa 08:00AM-02:30PM 3403 GILBERT C

4924 21 MW 06:35PM-09:35PM 3403 GILBERT C

4925 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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

Instructor permission required.

4938 02W Sa 08:00AM-02:30PM 3403 GILBERT C

4941 21 MW 06:35PM-09:35PM 3403 GILBERT C

4942 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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	GILBERT C
4986	21	MW	06:35PM-09:35PM	3403	GILBERT C
4987	22	TTh	06:35PM-09:35PM	3403	GILBERT C

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
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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	GILBERT C
5029	21	MW	06:35PM-09:35PM	3403	GILBERT C
5030	22	TTh	06:35PM-09:35PM	3403	GILBERT C

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 GILBERT C
 5044 21 MW 06:35PM-09:35PM 3403 GILBERT C
 5045 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5054 21 MW 06:35PM-09:35PM 3403 GILBERT C
 5055 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5062 21 MW 06:35PM-09:35PM 3403 GILBERT C
 5063 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5072 21 MW 06:35PM-09:35PM 3403 GILBERT C

5073 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C

5082 21 MW 06:35PM-09:35PM 3403 GILBERT C

5083 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C

5099 21 MW 06:35PM-09:35PM 3403 GILBERT C

5100 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C

5109 21 MW 06:35PM-09:35PM 3403 GILBERT C

5110 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5118 21 MW 06:35PM-09:35PM 3403 GILBERT C
 5119 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5128 21 MW 06:35PM-09:35PM 3403 GILBERT C
 5129 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5138 21 MW 06:35PM-09:35PM 3403 GILBERT C
 5139 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5153 21 MW 06:35PM-09:35PM 3403 GILBERT C
 5154 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5164 21 MW 06:35PM-09:35PM 3403 GILBERT C
 5165 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5174 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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 GILBERT C
 5184 21 MW 06:35PM-09:35PM 3403 GILBERT C
 5185 22 TTh 06:35PM-09:35PM 3403 GILBERT C

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	GILBERT C
5193	21	MW	06:35PM-09:35PM	3403	GILBERT C
5194	22	TTh	06:35PM-09:35PM	3403	GILBERT C

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	GILBERT C
5204	21	MW	06:35PM-09:35PM	3403	GILBERT C
5205	22	TTh	06:35PM-09:35PM	3403	GILBERT C

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
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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