

**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.

1001 21 MW 05:30PM-07:50PM 1610 AUVIL J

**ACCT&202 Prin of Accounting II 5**

An introduction to the accounting for fixed assets and depreciation, intangible assets, current liabilities, corporations, partnerships, long-term liabilities, statement of cash flows, and financial statement analysis. This course is the second in a three-course series designed for all accounting and business majors.

Prerequisite: ACCT& 201. SE

1016 01 MTWTh 09:15AM-10:20AM 1610 MICHIE L

**ACCT&203 Prin of Accounting III 5**

An introduction to managerial accounting concepts and principles, job order and process cost systems, cost-volume-profit analysis, budgeting, variances and standard costs, performance analysis for decentralized operations, differential analysis, product pricing, and capital investment analysis. This course is the third in a three-course series designed for all accounting and business majors. Prerequisite: ACCT& 202. SE

1020 01 MTWTh 10:30AM-11:35AM 1610 MICHIE L

**ACCT 233 Introduction to Payroll Taxes 2**

This course offers an introduction to the proper calculation, payment, and reporting of payroll taxes incurred by businesses. The preparation of required tax returns and the various reporting periods to government agencies will also be discussed. This course is designed for the student with little or no prior experience in payroll taxes. Prerequisite: To enhance the learning experience, it is recommended that the student complete ACCT& 201 or have prior experience in business or accounting.

1036 01 MW 02:15PM-03:20PM 1602 MICHIE L

**ACCT 260 Computer Accounting 3**

Lab Fee: \$9.40

A presentation of Windows based accounting techniques used in a service business and a merchandising business. Also presented is the proper use of a voucher system, departmental accounting, partnership accounting, corporate accounting, financial statement analysis, fixed assets, inventory, payroll, and accounting system setup. Prerequisite: ACCT& 202.

1050 01 TTh 02:15PM-04:15PM 1602 MICHIE L

**ACCT 262 Introduction to Quickbooks 2**

Lab Fee: \$9.40

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: 04/13/15 to 06/09/15

### **Agriculture**

**AGR 251 Ecological Based Pest Management 5**

Classification, morphology, anatomy, growth and development, ecology and management of arthropod and pathogenic pests and noninfectious diseases of crop plants. Instruction emphasizes ecologically based pest management approaches.

1124 01 MTWTh 10:30AM-11:35AM 1508 STAFF

**AGR 271 Agriculture Sales and Marketing 5**

Study of receiving, packing line/processing operation, grades, standards and quality control. Includes how these functions influence post-harvest production and marketing/sales decisions. Study and evaluation of market development potential for direct marketing and standard marketing channels. Study of the sales function and potential for value added agriculture products.

1142 01 MTWTh 01:00PM-02:05PM 1607 SIEVERKROPP

### **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. Prerequisite: There are no prerequisites. Strongly recommended placement in MATH 098 or higher and placement in English 099 of higher. SS

1180 01 TTh 10:40AM-12:50PM 1608 HOLLIWAY D

Section 01 incorporates traditional class time and 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 class for further instructions.

### **Art**

**ART 103 Design III 5**

Lab Fee: \$8.00

An introduction to the study of three dimensional design explored through various media in sculpture. Design I, II, and III can be taken in any order.HP

1222 01 MTWTh 09:00AM-10:20AM 1911 PALKOVIC F

**ART 104 Drawing I 5**

Lab Fee: \$8.00

An introduction to drawing based on observation, emphasizing composition, and form. This course is basic to all art practice courses and is an introduction to basic drawing techniques involving various media such as pencil, charcoal, color pastels, and ink. HU

1227 01 TTh 01:00PM-02:30PM 1906 PALKOVIC R

\*\*\*\* F ARR PALKOVIC R

Field trips will be held on Fridays from 9:00 a.m.-1:30 p.m. during the quarter; dates will depend on weather. This is a coordinated instruction class with BOT 140. Co-enrollment in both classes is required.

**ART 121 Ceramics I 2- 5**

Lab Fee: \$28.00

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

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

**ART 122 Ceramics II 2- 5**

Lab Fee: \$28.00

Ceramics II continues in experiments and design in clay applied to pottery and sculpture by throwing on the pottery wheel, glazing and kiln firing. Prerequisite: ART 121 or instructor permission. HP

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

**ART 123 Ceramics III 2- 5**

Lab Fee: \$28.00

Advanced experiments and design in clay applied to pottery and sculpture by working in various hand construction methods and in pottery wheel, glazing and kiln firing. Prerequisite: ART 121, 122 or instructor permission. HP

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

**ART 216 Western Art: Ancient to Medieval 5**

A survey of the history of western art and architecture from ancient times to the medieval age. HP

1258 01 MTWTh 10:30AM-11:35AM 1911 PALKOVIC R

**ART 221 Watercolor Painting I 1- 5**

Lab Fee: \$8.00

The study of water color painting from still life and nature with an introduction to the materials and techniques of watercolor painting. HP

1273 01 TTh 01:00PM-03:50PM 1911 HAGEL S

**ART 222 Watercolor Painting II 1- 5**

Lab Fee: \$8.00

A continuation of the study of water color painting from still life and nature with the materials and techniques of water color painting. Prerequisite: ART 221 or instructor permission. HP

1277 01 TTh 01:00PM-03:50PM 1911 HAGEL S

**ART 223 Watercolor Painting III 1- 5**

Lab Fee: \$8.00

Advanced water color painting is an emphasis upon the student's artistic growth and the development of his or her own style and voice using watercolor techniques and materials. Prerequisite: ART 221 and 222 or instructor permission. HP

1281 01 TTh 01:00PM-03:50PM 1911 HAGEL S

**ART 230 Painting/Drawing Workshop 5**

Lab Fee: \$8.00

A workshop class designed to allow experimentation with 2D media such as pencil, charcoal, pastels, watercolor, acrylic paint. Prerequisite: None but studio class such as drawing or painting recommended. HP

1285 01 MTW 10:30AM-12:30PM 1906 HAGEL S

**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

1289 01 MW 01:00PM-03:50PM 1907 PALKOVIC R

**ART 232 Oil Painting II 5**

Lab Fee: \$25.40

Advanced oil painting is an emphasis upon the student's artistic growth and the development of his or her own style and voice using oil painting techniques and materials. Prerequisite: ART 231 and 232 or instructor permission. HP

1294 01 MW 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

1299 01 MW 01:00PM-03:50PM 1907 PALKOVIC R

**Astronomy****ASTR&101 Intro to Astronomy 5**

Lab Fee: \$18.80

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 095,096 or placement test. LS

1322 01 MTWTh 01:00PM-01:50PM 1217 HAMM J

Lab W 02:00PM-04:00PM 1217 HAMM J

**Automotive Technology****AUT 105 Automotive Personal Computer Applications 2**

Lab Fee: \$7.60

An introductory course covering the operation of personal computers using automotive applications. Hardware components, Windows Operating System, keyboarding and word processing will be covered emphasizing hands-on experience. Prerequisite: Concurrent enrollment in automotive program classes.

1340 01 MTW 08:00AM-08:50AM 1802 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.

1348 01 ARR ARR 3 308 MARTIN J

**AUT 124 Brake System Service 9**

Lab Fee: \$47.25

This course covers the theory, operation, diagnosis and repair of both conventional and anti-lock brake systems. Topics covered are hydraulic operating systems, drum brake systems, disc brake systems, emergency/parking brake systems and brake machining operations. This course is designed to prepare the student for the ASE/NATEF Brakes Certification test. Prerequisite: AUT 115

1355 01 MTWTh 01:00PM-04:00PM 3308 MARTIN J

**AUT 125 Suspension, Steering and Alignment 9**

Lab Fee: \$47.25

This course covers the theory, operation and repair of various automotive suspension and steering systems used in today's vehicles. Topics covered include steering types,

suspension types, shock/strut service, tires/wheels and suspension and steering component replacement. Students will use modern computerized alignment equipment to perform two wheel, four wheel and thrust type vehicle alignments. This course is designed to prepare the student for the ASE/NATEF Suspension and Steering Certification test. Prerequisite: AUT 115

1358 01 MTWTh 09:00AM-12:00PM 3308 MARTIN J

**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 MARTIN J

**AUT 211 Automobile Convenience Systems 2**

Lab Fee: \$10.50

This course covers the operation and repair of automotive convenience systems. Classroom and laboratory lessons include power windows, power seats, air bag system testing and servicing, as well as minor door, hood, window, and trunk adjustments. The procedure to perform a proper Pre-delivery Inspection (PDI) will be covered and Washington State auto repair laws and how they effect the repair technician will be discussed. Prerequisite: AUT 121

1375 01 MTWTh 09:00AM-12:00PM 4103 WYNDER D

Start & end date: 03/30/15 to 04/14/15

**AUT 223 Automotive Servicing II 6**

Lab Fee: \$31.50

Students, at the direction of the instructor, work on customer vehicles applying skills learned in previous automotive classes. Students will be required to complete ASE/NATEF tasks not completed in other courses. Customer relations, repair order preparation, scheduling, estimating, utilization of shop space and equipment, and hazardous waste management are covered to provide students with an understanding of repair shop operations. Prerequisite: instructor permission or completion of the first year automotive classes.

1390 01 MTWTh 01:00PM-04:00PM 4103 WYNDER D

**AUT 231 Automotive Heating and Air Conditioning 6**

Lab Fee: \$31.50

This course covers the diagnosing, servicing, and repair of modern vehicle heating and air conditioning systems. Classroom and laboratory lessons provide training and experience using modern refrigeration servicing and recycling equipment necessary to meet environmental regulations. CFC-12 and HFC-134A systems and equipment are utilized and retrofitting following Environmental Protection Agency guidelines is discussed. This course is designed to prepare the student for the ASE/NATEF Heating and Air Conditioning test. Prerequisite: AUT 115; AUT 121 or instructor permission.

1394 01 MTWTh 09:00AM-12:00PM 4103 WYNDER D

Start & end date: 04/15/15 to 06/12/15

**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 WYNDER D

**Aviation Commercial Pilot**

**AVF 114 Theory of Flight 5**

This course covers basic aerodynamic theory of flight, aircraft instruments, performance, stability, control, airframe stress, structural limits, constant speed propellers, and turbocharging. Prerequisite: AVF 112

1415 21 MW 04:00PM-06:30PM 3015 GILLESPIE J

1417 22 TTh 04:00PM-06:30PM 3015 GILLESPIE J

**AVF 131 Private Pilot Helicopter (Stage I) 4**

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**

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**

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**

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.

1426 01 MTWTh ARR 3001 MACDOUGALL J

**AVF 142 Private Pilot Flight (Stage 2) 4**

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

1430 01 MTWTh ARR 3001 MACDOUGALL J

**AVF 143 Private Pilot Flight (Stage 3) 4**

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

1434 01 MTWTh ARR 3001 MACDOUGALL J

**AVF 190 Flight (Alternate) 0- 4**

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 MACDOUGALL J

**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.

1458 21 TTh 04:00PM-06:30PM 3016 STAFF

**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 TTh 04:00PM-06:30PM 3024 STAFF

**AVF 231 Commercial Pilot Helicopter (Stage 4) 4**

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**



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**

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 MACDOUGALL J

**AVF 252 Commercial Pilot Flight (Stage 5) 4**

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

1475 01 MTWTh ARR 3001 MACDOUGALL J

**AVF 253 Commercial Pilot Flight (Stage 7) 4**

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 MACDOUGALL J

**AVF 254 Night Flying 1**

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

1482 21 MTWTh ARR 3001 MACDOUGALL J

**AVF 261 Instrument Flight (Stage 6) 4**

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

1488 01 MTWTh ARR 3001 MACDOUGALL J

**AVF 270 Flight Instructor 4**

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

1492 01 MTWTh ARR 3001 MACDOUGALL J

**AVF 271 Flight Instructor Instrument - Airplane 2**

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

1495 01 MTWTh ARR 3001 MACDOUGALL J

**AVF 272 Seaplane Flight 2**

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

1498 01 MTWTh ARR 3001 MACDOUGALL J

**AVF 275 Multi-Engine Flight Lab 2**

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

1505 01 MTWTh ARR 3001 MACDOUGALL J

**AVF 276 Simulator Training/Instrument Training .5- 1**

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

1508 01 MTWTh ARR 3 3002 MACDOUGALL J

**AVF 290 Flight (Alternate) 0- 4**

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 MACDOUGALL J

**AVF 291 Multi-Engine - Instructor 2**

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

1518 01 MTWTh ARR 3100 MACDOUGALL J

**Aviation Maintenance****AMT 150 AMT General 4-16**

Lab Fee: \$192.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

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

1558 01 MTWTh ARR 3200 DANNENBERG K

**AMT 151 Airframe Mechanic I 4-22**

Lab Fee: \$264.00

\*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.

1565 01 MTWTh ARR 3200 BORG C

**AMT 152 Airframe Mechanic II 4-21**

Lab Fee: \$252.00

\*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.

1570 01 MTWTh ARR 3200 BORG C

**AMT 153 Airframe Mechanic III 4-24**

Lab Fee: \$288.00

\*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.

1575 01 MTWTh ARR 3200 BORG C

**AMT 251 Powerplant Mechanics I 4-16**

Lab Fee: \$192.00

\*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

1585 01 MTWTh ARR 3200 MOORE D

**AMT 252 Powerplant Mechanics II 4-14**

Lab Fee: \$168.00

\*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

1590 01 MTWTh ARR 3200 MOORE D

**AMT 253 Powerplant Mechanics III 4-16**

Lab Fee: \$192.00

\*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

1595 01 MTWTh ARR 3200 MOORE D

**AMT 254 Powerplant Mechanic IV 4-16**

Lab Fee: \$192.00

\*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

**CPT 130 Composite Repair 4**

Lab Fee: \$48.00

Students will inspect, test, and repair composite structures. This course explains how imperfections affect composite properties and provide hands on training for the repair of defects. Areas of emphasis include structural and non-structural evaluation, material handling, surface preparation, and repair procedures. Prerequisite: Completion of AMT 111, AMT 121, AMT 161, and AMT 201

2101 21 MW 05:00PM-07:45PM 3200 DANNENBERG K

**Biology**

**BIOL&100 Survey of Biology 5**

Lab Fee: \$18.80

A study of basic biological principles common to living organisms, this course is intended for non-majors who desire a lab science requirement. Topics of study include: scientific thinking, basic chemistry, cell structure and membrane transport, energy and cell pathways, DNA and gene expression, chromosomes and cell division, genes and inheritance, and evolution and natural selection. 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 MWTh 08:00AM-09:05AM 1910 WHITNEY M

Lab T 08:00AM-10:00AM 1211 WHITNEY M

1602 02 TWTh 10:30AM-11:35AM 1910 WHITNEY M

Lab M 09:15AM-11:15AM 1211 WHITNEY M

1603 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 104 Core Concepts in Biology 2**

Lab Fee: \$10.00

A review of the basic biological principles common to living organisms, this course is intended for non-majors who have some prior biology background but would like a review of these basic biology concepts. Students intending to take BIOL& 211 whose biology background is weak or outdated may be benefited by this course. Topics of study include: basic chemistry, macromolecules, cell structure, membrane transport, energy and metabolism, DNA replication, gene expression, cell division, and genetics. Prerequisite: BIOL& 100, High School biology, or instructor permission.

1604 01H Th 02:15PM-03:20PM 1219 DUVALL K

Start & end date: 04/23/15 to 06/12/15

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Online fee is \$10.

**BIOL&170 Human Biology 5**

This course offers a broad overview of the human body for the non-science major. Topics of study include unifying biological principles such as basic cell chemistry, cell biology, and metabolism, as well as the biology of selected human systems. Issues related to human biology will also be examined. This course does not include a lab. NS

1605 01 MTWTh 11:45AM-12:50PM 1250 JACOBS B

**BIOL&211 Majors Cellular 5**

Lab Fee: \$18.80

A single quarter of majors cellular biology, 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). Topics of study include: structure and function of biological molecules, structure and function of prokaryotic and eukaryotic cells, membrane transport, energetics and cell metabolism, cell communication, chromosome structure and replication, gene expression, cell division, classical genetics, and evolution. 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: Successful completion of either CHEM& 121 or CHEM& 161 with a 2.0 or better, recent high school chemistry with a B or better, or instructor permission. High school biology strongly recommended. Note: A minimum grade of 2.0 in this class is required for entry into BIOL& 241 and BIOL& 260.LS

1610 01 MTW 11:45AM-12:50PM 1910 WHITNEY M

Lab Th 11:45AM-01:45PM 1211 WHITNEY M

**BIOL&223 Majors Organismal Phys 5**

Lab Fee: \$18.80

The third 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: animal and plant anatomy, physiology, and development. Related investigations take place in a three-hour lab period each week. Prerequisite: Successful completion of BIOL& 222 with a 2.0 or better and successful completion of either CHEM& 121 or CHEM& 161 with a 2.0 or better, or instructor's permission. LS

1625 01 MTWTh 09:15AM-10:05AM 1203 DUVALL K

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

**BIOL&242 Human A & P 2 5**

Lab Fee: \$18.80

The second quarter of a two-quarter sequence. Includes the structure, function and pathology of the cardiovascular, lymphatic, respiratory, digestive, urinary and

reproductive systems. Emphasis will be given to the homeostatic relationships between systems. Four hours of lab per week will be devoted to human autopsy slides, required hands-on experience with cat and organ dissection and experimental procedures in cardiovascular function as well as computer analysis of renal function. Lab is required for credit. Prerequisite(s): A minimum grade of 2.0 in BIOL&241 or equivalent. LS

1637 01 MW 01:00PM-02:15PM 1250 JACOBS B

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

1638 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: \$18.80

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 MW 09:15AM-10:30AM 1250 JACOBS B

Lab TTh 09:15AM-11:15AM 1209 JACOBS B

1643 02H ARR ARR JACOBS B

Lab TTh 09:15AM-11:15AM 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.

### **Botany**

#### **BOT 140 Field Botany 5**

Lab Fee: \$18.80

Field botany involves the identification and classification of local plants of the Columbia Basin area. Different biomes are studied with emphasis on the steppe and shrub-steppe vegetation common to this area. Students participate in seven field trips to collect native plants. Following field trips, students identify, press, dry, and mount collected plants in order to assemble a required plant collection. During laboratory sessions students learn to use a taxonomic key to identify and classify collected plants. NOTE: This is a field course with required field trips. Field trips often involve hiking over uneven terrain; students climb up slopes, both on and

off trails to collect plant specimens. Any questions concerning these field trips may be directed to the instructor. LS

1676 01 MW 01:00PM-03:00PM 1211 DUVALL K

Lab F 09:00AM-01:30PM 1211 DUVALL K

Field trips will be held on Fridays during the quarter; dates will depend on weather. This is a coordinated instruction class with ART 104. Co-enrollment in both classes is required.

### **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

1702 01 MTWTh 10:30AM-11:35AM 1611 WILKS P

#### **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 094 or BBCC math placement score into MATH 098 or above.

1705 01 MTWTh 09:15AM-10:20AM 1611 WILKS P

#### **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 1611 WILKS P

1722 21 MW 04:30PM-06:15PM 1607 STAFF

#### **BUS 121 Business English 5**

Lab Fee: \$10.00

This course is designed to prepare students for today's offices where clear and concise writing is based on a sound understanding of grammar and is considered to be an essential job skill. Prerequisite: BBCC English placement exam ENGL099 or successful completion of ENGL098 with a 2.0 or higher.

1728 01H W 11:45AM-12:50AM 1610 BERRY-GUERIN

This is a hybrid course (online and face-to-face) that requires attendance on Wednesdays throughout the quarter. Students must have a good internet connection in order to complete this course. Please check CANVAS on the first day of the quarter for class information and instruction.

#### **BUS 170 Consumer Finance 5**



This course offers an introduction to investigating, buying, and financing techniques for vehicles, consumer goods, insurance, and homes; consumer rights, responsibilities, and obligations; minimizing federal income tax; borrowing, saving, and investing.

1760 01 MTWTh 01:00PM-02:05PM 1610 MICHIE L

**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 08:00AM-09:05AM 1610 STAFF

**BUS 215 Customer Service 3**

Lab Fee: \$10.00

This course will provide the student with strategies and skills to effectively meet the needs of customers. The student will be introduced to internal and external customers, to customer satisfaction, to customer retention, and to customer service trends.

1780 01H MW 02:15PM-03:20PM 1612 WILLINGHAM T

This is a hybrid course (online and face-to-face) that requires attendance throughout the quarter. Students must have a good internet connection in order to complete this course. Attend class on the first day to learn additional information about attendance and course requirements.

**Business Information Management**

**BIM 101 Basic Keyboarding 1- 2**

Lab Fee: \$18.00

\*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: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course. See your Canvas class site for information.

1796 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 102 Document Formatting 1- 4**

Lab Fee: \$36.00

\*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 attendance. See your Canvas class site for information.

**BIM 104 Intermediate Keyboarding 1- 3**

Lab Fee: \$27.00

\*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

1808 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 03/30/15 to 05/04/15

This is not an online course; it is a self-paced course that requires regular attendance. See your Canvas class site for information.

1809 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course that requires regular attendance. See your Canvas class site for information.

**BIM 106 Advanced Keyboarding 1- 3**

Lab Fee: \$27.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

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

1814 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course that requires regular attendance. See your Canvas class site for information.

1815 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course that requires regular attendance. See your Canvas class site for information.

**BIM 109 Internet Communications 1**

Lab Fee: \$9.00

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

1822 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course that requires attendance. See your Canvas class site for information.

1823 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course that requires attendance. See your Canvas class site for information.

**BIM 110 Microsoft Office Essentials 1- 3**

Lab Fee: \$27.00

\*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.

1827 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course. See your Canvas class site for information.

1828 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

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

Lab Fee: \$27.00

\*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.

1829 01 MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course. See your Canvas class site for information.

**BIM 112 Proof & Edit 1- 3**

Lab Fee: \$27.00

\*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 01 MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course. See your Canvas class site for information.

**BIM 115 Medical Office Accounts Receivable II 2**

Lab Fee: \$10.00

This is a basic class in billing medical insurance in hospital settings. Coding, specific form requirements (UB 92), account aging, posting payments and adjustments to patient accounts, and government medical coverage plans will be covered. Issues related to overall medical business offices will also be part of the class. Prerequisite: HED 150 & 151, basic computer class or instructor permission.

1840 OL1 ARR ARR FRANCIS K

This is an online course that requires a good Internet connection. See your Canvas class site for information. Online fee is \$10.

**BIM 130 Filing 1- 2**

Lab Fee: \$18.00

\*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: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course. See your Canvas class site for information.

1852 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 177 Office Information Management Lab 1- 6**

Lab Fee: \$54.00

\*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.

1865 01 MTWTh ARR 1613 BERRY-GUERIN

See your Canvas class site for information.

**BIM 180 Introduction to Microsoft Office 1- 5**

Lab Fee: \$45.00

\*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 MATH094 or BCC Placement Exam into MATH 098 or higher.

1870 01 MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course. See your Canvas class site for information.

**BIM 181 Introduction to Microsoft Office: Word 1- 3**

Lab Fee: \$27.00

\*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 &amp; end date: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course. See your Canvas class site for information.

1876 02H MTWTh ARR 1613 BERRY-GUERIN

Start &amp; end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 182 Introduction to Microsoft Office: Excel 1- 3**

Lab Fee: \$27.00

\*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 MATH94 or BCC placement exam into MATH098 or higher.

1880 01 MTWTh ARR 1613 BERRY-GUERIN

Start &amp; end date: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course. See your Canvas class site for information.

1881 02H MTWTh ARR 1613 BERRY-GUERIN

Start &amp; end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 183 Introduction to Microsoft Office: Access 1- 3**

Lab Fee: \$27.00

\*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: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course. See your Canvas class site for information.

1886 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 184 Introduction to Microsoft Office: PowerPoint 1- 3**

Lab Fee: \$27.00

\*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 BCC placement exam into MATH095 or higher.

1890 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course. See your Canvas class site for information.

1891 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 190 Spreadsheets I 1- 5**

Lab Fee: \$55.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

This course is an in-depth introduction to Microsoft Excel 2013. The focus is to learn functions of Excel, to apply this knowledge to business situations, and to begin preparing students for the Microsoft Office Specialist Expert exams. Prerequisite: Successful completion of BUS102-Business Mathematics, BCC placement exam into MATH099 or higher, or successful completion of all MATH095 modules.

1900 01H MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 194 Presentations 1- 5**

Lab Fee: \$55.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

This is an in-depth Microsoft PowerPoint 2013 course. The focus of this course is to learn presentation functions, to apply this material to business situations, and to prepare students for the MOS Expert Exam.

1905 01H ARR ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 210 Internet 1- 2**

Lab Fee: \$18.00

\*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: 03/30/15 to 05/14/15

This is not an online course; it is a self-paced course. See your Canvas class site for information.

1921 02H MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/20/15 to 06/09/15

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 220 Desktop Publishing 1- 5**

Lab Fee: \$55.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

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

1925 01H MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 262 Professional Preparation 3**

Lab Fee: \$27.00

This course covers job preparation components in which emphasis is given to job search and interview techniques. Prerequisite: BUS 200

1935 01 TTh 02:15PM-03:45PM 1612 BERRY-GUERIN

**BIM 280 Advanced Microsoft Office 1- 5**

Lab Fee: \$476.25

\*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 01H MTWTh ARR 1613 BERRY-GUERIN

This is not an online course; it is a self-paced course. See your Canvas class site for information. Online fee is \$10.

**BIM 281 MS Office Integration 1**

Lab Fee: \$9.00

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

This is not an online course; it is a self-paced course. See your Canvas class site for information.

**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 11:45AM-12:50PM 1219 GROCE L

**CHEM&121 Intro to Chemistry 5**

Lab Fee: \$18.80

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: Passing grade in Math 95/96 or placement in Math 98/99.

A passing grade in High School Chemistry or completion of CHEM& 105 is recommended

1966	01	MTWTh	10:30AM-11:20AM	1218	GROCE L
Lab		M	02:15PM-04:15PM	1216	GROCE L
1968	02	MWTh	03:25PM-04:30PM	1218	PETERSON J
Lab		T	03:25PM-05:25PM	1216	PETERSON J
1969	21	MW	06:00PM-08:00PM	1218	PETERSON J
Lab		T	06:00PM-08:00PM	1216	PETERSON J

**CHEM&131 Intro to Organic/Biochem 5**

Lab Fee: \$18.80

This course is designed for Allied Health transfer students and for students wanting an introductory organic chemistry course in preparation for a complete organic chemistry sequence at a baccalaureate institution. Topics include an introduction to alkanes, alkenes and alkynes, an exploration of common functional groups, and organic nomenclature. The course also explores the relationship of organic compounds such as carbohydrates, lipids, proteins, and enzymes with the human body. CHEM& 131 includes 25-30 hours of laboratory. Laboratory exercises are designed to reinforce classroom learning as well as providing hands on experience with chemical reactions.

Prerequisite: A grade of 2.0 or above in CHEM& 121 or instructor permission. LS

1975	01	MTW	08:00AM-09:05AM	1218	GROCE L
Lab		Th	08:00AM-10:20AM	1216	GROCE L

**CHEM&163 General Chem w/Lab III 5**

Lab Fee: \$18.80

The final course in a three-quarter series examining the principles of General Chemistry with the primary emphasis on inorganic chemistry. Topics include acid-base chemistry, chemical equilibria, solubility, nuclear reactions, and electrochemistry. An introduction to organic chemistry and an introduction to inorganic qualitative analysis are included. A portion of the laboratory component is devoted to inorganic qualitative analysis. Prerequisite: Successful completion of CHEM& 162 or instructor's permission. (LS) (S)

1995	01	MTTh	11:45AM-12:50PM	1218	PETERSON J
Lab		W	11:45AM-02:45PM	1216	PETERSON J
1996	02	MTTh	11:45AM-12:50PM	1218	PETERSON J
Lab		F	09:00AM-12:00PM	1216	PETERSON J

**College Success Skills**

**CSS 100 College Survival Skills 3**

CSS 100 helps students become more effective learners and achieve their goals at Big Bend. National studies show that students who take courses like CSS 100 are more likely to stay in college and graduate than students who do not. CSS 100 teaches students skills that research has identified as essential to college success. CSS 100 adds to or builds on the skills students already have as students debate the purpose of college, practice reading and studying techniques, engage in critical thinking, and explore the many resources Big Bend offers to help them succeed.

2016 01 MTW 09:15AM-10:05AM 1855B WADE V  
 2018 02 MTW 10:30AM-11:20AM 1855B WORKMAN J  
 2019 03 MTW 01:00PM-01:50PM 1856 WORKMAN J  
 2020 OL1 ARR ARR DELEON J

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.

2058 OL1 ARR ARR PARSONS R

Online fee is \$10.

**CSS 104 Introduction to Computer Literacy 3**

Lab Fee: \$10.00

This course will provide the student with an introduction to computer operations, file management, e-mail, applications, the Internet, and BBCC 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.

2062 21H T 06:00PM-07:00PM 1802 DELEON J

**CSS 105 Introduction to Healthcare Studies 3**

Lab Fee: \$10.00

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 1718 ELLIOTT A

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Online fee is \$10.

**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

Start &amp; end date: 03/30/15 to 05/08/15

For application contact Randy Miller at 793.2295, Guillermo Garza at 793.2221, or Julia Gamboa at 793.2045.

2077 21 MTWTh 05:00PM-09:00PM 1534 GARZA G

\*\*\*\* SaSu 07:30AM-04:00PM 1534 GARZA G

Start &amp; end date: 05/11/15 to 06/30/15

For application contact Guillermo Garza at 793.2221 or Julia Gamboa at 793.2045.

**Communications****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

2086 OL1 ARR ARR VALDEZ R

**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

2091 01 MTWTh 09:15AM-10:20AM 2032 POTH M

2092 02 MTWTh 09:15AM-10:20AM 1609 JACKSON K

2094 03 MTWTh 10:30AM-11:35AM 2032 POTH M

2095 04 MTWTh 11:45AM-12:50PM 2032 POTH MITCH

2097 05 MTWTh 01:00PM-02:05PM 2032 POTH MITCH

2098 06H Sa 08:30AM-01:00PM 1611 JACKSON K

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. No class 5/25. Online fee is \$10.

2099 21 MW 05:30PM-07:50PM 2032 POTH MITCH

### **Computer Science**

**CS 101 Intro to Computer Science 3**

Lab Fee: \$33.10

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 01H M 03:30PM-04:20PM 1508 WANNER A

This class incorporates traditional class time and a distance education component. Students need to have access to a reliable internet connection. Class meets each Monday and the remainder of the class is delivered online. Online fee is \$10.

**CS 104 Intro to Computer Hardware 3**

Lab Fee: \$23.10

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 01 MTW 12:00PM-12:50PM 1508 WANNER A

Co-requisite: CS 105. Students will be automatically enrolled in CS 105.

**CS 105 Intro to Computer Operating Systems 3**

Lab Fee: \$23.10

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 01 MTW 01:00PM-01:50PM 1508 WANNER A

Co-requisite: CS 104. Students will be automatically enrolled in CS 104.

**CS 111 Intro to Programming 5**

Lab Fee: \$38.50

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 0098 or concurrent enrollment.

2124 01 MTWTh 02:15PM-03:20PM 1508 WANNER A

**CS 136 Database Programming with SQL 5**

Lab Fee: \$38.50

This course examines introductory concepts of relational database theory and applies these skills in client-server database design and management using SQL. Focus is on discussion of relational database theory, object-oriented and physical database design, the concepts of data normalization and data design, implementation of data designs, procedural programming via the SQL environment between backend databases and user environments, and information storage and retrieval. Prerequisites: CS 115 or instructor permission.

2145 21H Th 07:00PM-09:20PM 1511 BETZING P

This class incorporates traditional class time and a distance education component. Occasional Tuesday class dates may be scheduled by the instructor. Students need to have access to a reliable internet connection. Online fee is \$10.

**CS 157 Cisco Networking 1:Routing & Switching Essential 5**

Lab Fee: \$38.50

Describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks. This is the second of two courses comprising the Cisco CCENT certification and covers the technical knowledge and skills required to take the Cisco ICND1 exam. Prerequisite: CS 156

2161 21 TTh 05:00PM-08:00PM 1509 GUZMAN NOE

**CS 159 Cisco Networking: Connecting Networks 5**

Lab Fee: \$38.50

Discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students also develop the knowledge and skills needed to implement IPsec and virtual private network (VPN) operations in a complex network. Prerequisite: CS 158

2164 21 TTh 05:00PM-08:00PM 1509 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 206 Linux Server Administration 5**

Lab Fee: \$38.50

In this course students will customize the BASH environment, build shell scripts in the Korn shell, control the Linux system, manage user accounts, manage system software in Linux, and manage file systems in Linux. Students will also troubleshoot the system, configure the client/server environment, apply security practices to Linux systems, and improve system performance. Prerequisite: CS 105, CS 205 recommended.

2174 21 MW 04:30PM-06:50PM 1508 WANNER A

**CS 265 Web Applications Design & Development 5**

Lab Fee: \$38.50

Students acquire the knowledge and skills to design and develop dynamic web applications. Using ASP.NET and Ajax, students design, create, and test web pages, create a web interface to a database, and build applications for the web and mobile devices. Prerequisite: CS 111 or CS 251 and CS 161

2175 21H TTh 04:30PM-06:50PM 1508 CONWAY M

This is a hybrid class that incorporates traditional class time & a distance education component. Class is primarily online with some on-campus sessions as determined by the instructor. Students should reserve scheduled class times for group work. Online fee: \$10.

**CS 289 Project Management for Computer Science 5**

Lab Fee: \$38.50

This capstone course is intended for Computer Science program students and is focused on understanding and exercising principles distinctive to managing information technology projects. Students develop skills in project integration, scope, time, cost, quality, human resource, communications, risk, procurement, and stakeholder management. Working as a team, students will select a final project that may focus on their area of specialization in software development, systems administration, or web development and design. Prerequisite: Completion of 30 computer science course credits or instructor permission.

2179 21H M 07:00PM-09:30PM 1508 ELLESTAD M

**CS 295 Work Based Learning II 1- 4**

Lab Fee: \$10.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

Students will participate in an advanced internship with regional computer and information technology employers. Prerequisite(s): CS 195, CS 197, enrollment in Computer Science program and completion of 45 or more program credits with a minimum 2.5 GPA, instructor permission, and concurrent enrollment in CS 297

2180 OL1 ARR ARR SHANNON M

**Criminal Justice**

**CJ& 101 Intro Criminal Justice 5**

Lab Fee: \$10.00

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

2206 21H TTh 06:30PM-08:50PM 1609 WAHL

Section 21 incorporates traditional class time & a distance-education component. Typically the class will only meet one day per week with the other days watching lectures & completing assignments. Attend the first day of scheduled class for further information.

2208 OL1 ARR ARR POPLAWSKI N

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. Online fee is \$10.

**CJ& 110 Criminal Law 5**

Lab Fee: \$10.00

This course is an introduction to the criminal law system of the United States. Issues covered include: the historical evolution of the law, applications of criminal law, legal concepts underlying the law and the procedures under which criminal law violators are processed. Prerequisite: CJ& 101 or Instructor Permission. SE

2216 01H MTWTh 11:45AM-12:50PM 1611 LEONARD R

Section 01H incorporates traditional class time & a distance-education component. Typically the class will only meet two days per week with the other two days watching lectures & completing assignments. Attend the first day of scheduled class for more information.

**CJ 220 Introduction to Corrections 5**

Lab Fee: \$10.00

Examination of the historical context, philosophical concepts and major developments that have shaped corrections in the United States. Various sentencing options, correctional approaches and programs, the role of corrections in the larger criminal justice system and contemporary correctional issues are examined. Prerequisites: Completion of CJ&101 or Instructor Permission.

2235 01H MTWTh 02:15PM-03:20PM 1609 LEONARD R

Section 01H incorporates traditional class time & a distance-education component. Typically the class will only meet two days per week with the other two days watching

lectures & completing assignments. Attend the first day of scheduled class for more information.

### Early Childhood Education

**ECED&190 Observation/Assessment 3**

Lab Fee: \$10.00

Collect and record observation of and assessment data on young children in order to plan for and support the child, the family, the group and the community. Practice reflection techniques, summarizing conclusions and communicating findings

2304 21H Th 04:30PM-06:30PM 1611 GILES A

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

### 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

2320 OL1 ARR ARR DONAT G

**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

2321 01 MTWTh 08:00AM-09:05AM 1609 PYLE T

**ECON&202 Macro Economics 5**

Introduction to the principles of Macro Economics including unemployment, inflation, aggregate demand/supply, Classical and Keynesian Theories, fiscal and monetary policy, money and banking, and current economic problems. Strongly recommend placement in MATH095 or higher and placement in ENGL 099 or higher.

2326 01 MTWTh 11:45AM-12:50PM 1604 SIEVERKROPP

### 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



2379 OL1 ARR ARR STAFF

Students need to have access to a reliable computer and Internet connection as this course is delivered all online. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

**EDUC 132 Peer Mentoring 2**

This course introduces students to the concepts and application of mentoring, tutoring, leadership, and team building to enhance their ability to competently and confidentially work with assigned mentees and classes. Permission required.

2392 01 ARR ARR STAFF

**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. (Prior to registering for this course, students must be cleared through the National Sex Offender Registry system, provide results of a negative Tuberculin skin test within the last year and obtain WEA liability insurance. Upon placement, students must pass a background check with their hosting agency). Prerequisite: ECED& 120 or EDUC& 201 or instructor permission.

2415 21H M 04:00PM-06:00PM 1611 NIGHSWONGER

Permission required. Contact Jenny Nighswonger at 793-2216. Students are required to pass Washington State Patrol and Dept of Early Learning background checks, obtain liability insurance & provide results of a negative Tuberculin skin test prior to registering. Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Check your Big Bend email the week before classes for log-in information and further course instructions.

**EDUC&201 Intro to Education 3**

Lab Fee: \$10.00

Teaching as a career and essential features of preparation for it. Includes a study of the teachers role and function in the school; preparation for professional competencies and certification; the American public school system; and the responsibilities of schools in a democratic society. Prerequisite: Successful completion of ENGL 99 or placement in ENGL& 101.SE

2422 OL1 ARR ARR NIGHSWONGER

Students need to have access to a reliable computer and Internet connection as this course is delivered all online. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

**EDUC&204 Exceptional Child 5**

Lab Fee: \$10.00

This course introduces students to various categories of disabilities, legal and historical foundations for special education services, as well as opportunities to

design and access educational resources for exceptional children within a community of collaboration and inclusion.

2424 21H Th 06:30PM-08:30PM 1611 GILES A

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

### **Engineering**

**ENGR 110 Introduction to Science and Engineering 3**

Lab Fee: \$10.00

Students in this course will investigate careers in science and engineering, and will research the educational pathways to those careers. In addition, students will learn techniques for becoming a successful student in science and engineering majors. (FORMERLY EGR 111)

2455 01H TTh 11:45AM-12:50PM 1217 SAUCEDA J

**ENGR 160 Computer Aided Drafting and Design (AutoCAD) 5**

Lab Fee: \$10.00

This course studies the technical drafting software AutoCAD. This software is used by engineers to communicate proposed designs and new ideas.

2459 21H MW 06:00PM-08:00PM 1203 STAFF

**ENGR&225 Mechanics of Materials 5**

An introduction to the concepts of stress, strain, deformation, and failure theory in solid materials. Applies mechanics of materials concepts to structural and machine elements such as rods, shafts, and beams. These elements are analyzed in tension, compression, bending, torsion, and shear. Prerequisite: ENGR& 214, MATH& 152 with grades of 2.0 or higher (formerly EGR 214)

2476 01 MTWTh 01:00PM-02:05PM STAFF

**ENGR 265 3-D Parametric Modeling 5**

Lab Fee: \$10.00

This course uses the computer to draft parametric models in three dimensions. This course covers file management methods, rapid prototyping, and 2D drawing development techniques. Prerequisite: Instructor Permission.

2485 21H MW 06:00PM-08:00PM 1203 STAFF

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Online fee is \$10.

### **English**

**ENGL 010 English Lab 0**

Community Ed Fee: \$44.10

Allows non-BBCC student access to tutors in the English Lab.

2500 01 DAILY ARR 1835 SHUTTL'TH K

Permits a non-BBCC student use of a computer in the English Skills lab.

**ENGL 065 Spelling Improvement 2**

Lab Fee: \$7.60

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 SHUTTL'TH K

2503 02 MTWTh 11:45AM-12:50PM 1817 SHUTTL'TH K

2504 03 MTWTh 02:15PM-03:20PM 1817 SHUTTL'TH K

**ENGL 087 Reading Improvement 3**

Lab Fee: \$11.40

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 SHUTTL'TH K

2508 02 MTWTh 11:45AM-12:50PM 1817 SHUTTL'TH K

2509 03 MTWTh 02:15PM-03:20PM 1817 SHUTTL'TH K

**ENGL 093 Basic Writing 3**

Lab Fee: \$11.40

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 SHUTTL'TH K

2513 02 MTWTh 11:45AM-12:50PM 1817 SHUTTL'TH K

2514 03 MTWTh 02:15PM-03:20PM 1817 SHUTTL'TH K

**ENGL 095 Writing Improvement 3**

Lab Fee: \$11.40

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 SHUTTL'TH K

2518 02 MTWTh 11:45AM-12:50PM 1817 SHUTTL'TH K

2519 03 MTWTh 02:15PM-03:20PM 1817 SHUTTL'TH K

**ENGL 098 Basic English Skills 5**

Lab Fee: \$19.00

English 98 covers techniques for improving basic writing skills at the sentence and paragraph level and introduces the skills needed for essay writing. Students will also work on improving reading comprehension, enriching vocabulary, and refining computer skills. Prerequisite: English Placement Test

2526 01 MTWTh 10:30AM-11:35AM 1856 HAMMOND D

2527 02 MTWTh 01:00PM-02:05PM 1606 PARSONS R

**ENGL 099 English Skills (Pre-101) 5**

Lab Fee: \$19.00

English 99 provides students a solid preparation for college reading and writing using word processing. Students write personal and academic essays and prepare a writing portfolio at the end of the quarter. 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: Successful completion of English 98 or direct placement through the English Placement Test.

2530 01 MTWTh 09:15AM-10:20AM 1856 HAMMOND D

2532 02 MTWTh 10:30AM-11:35AM 1606 WADE V

2534 03 MTWTh 11:45AM-12:50PM 1855A STAFF

2536 04 MTWTh 01:00PM-02:05PM 1606 PARSONS R

2538 OL1 ARR ARR VAN BLARICOM

Online fee is \$10.

**ENGL&101 English Composition I 5**

Lab Fee: \$19.00

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.

2547 01 MTWTh 08:00AM-09:05AM 1909 PITTS D

2548 02 MTWTh 10:30AM-11:35AM 1702 GUTIERREZ O

2549 03 MTWTh 10:30AM-11:35AM 1909 SULLIVAN M

2551 04 MTWTh 11:45AM-12:50PM 1856 HAMMOND D

2552 05 MTWTh 01:00PM-02:05PM 1702 GUTIERREZ O

2555 06H Th 01:00PM-03:30PM 1909 MARTINSON M

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

2559 OL1 ARR ARR RAMM J

Online fee is \$10.

2560 OL2 ARR ARR RASMUSSEN P

Online fee is \$10.

**ENGL&102 Composition II 5**

Lab Fee: \$19.00

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

2561 01 MTWTh 08:00AM-09:05AM 1607 CARPENTER J

2562 02 MTWTh 09:15AM-10:20AM 1606 CLOSE S

2563 03 MTWTh 09:15AM-10:20AM 1909 PITTS D

2564 04 MTWTh 09:15AM-10:20AM 1607 CARPENTER J

2565 05 MTWTh 10:30AM-11:35AM 1855A STODDARD C

2566 06 MTWTh 11:45AM-12:50PM 1702 GUTIERREZ O

2568 07 MTWTh 01:00PM-02:05PM 1855A STODDARD C

2570 OL1 ARR ARR RAMM J

**ENGL 109 Applied Technical Writing 3**

Lab Fee: \$11.40

The course prepares students for successful careers in their respective technical fields by developing skills in written communications commonly used in the workplace. Students will focus on reading, interpreting, planning, organizing, composing, and word processing technical writing as applied in business and industry. Prerequisite: ENGL 099

2575 01 MTWTh 08:00AM-08:50AM 1508 STAFF

**ENGL&220 Intro to Shakespeare 5**

William Shakespeare has been the central author of the English-speaking world for centuries. His plays and poems are quoted more often than those of any other English-speaking writer. This introduction to Shakespearean Comedy, History and Tragedy will focus on Shakespeare's most popular works and their relevance in the modern world. Prerequisite: ENGL& 101.

2605 01 MTWTh 10:30AM-11:35AM 1607 CARPENTER J

**ENGL 221 Creative Writing II: Fiction 5**

This course is designed for students who have completed an introductory fiction writing class (such as ENGL 211) and who want to continue their creative writing in a lecture and workshop setting. Students will further develop the techniques that writers use to build effective fiction and use the writer's workshop as a method for improving their own work. Students will also read and analyze stories and/or novels

with an eye toward improving their own craft. Prerequisites: ENGL 211 Creative Writing: Fiction or instructor permission. HU

2608 01 MTWTh 11:45AM-12:50PM 1909 SULLIVAN M

**ENGL&246 American Literature III 5**

Lab Fee: \$10.00

This class explores some of the themes present in American literature in the decades since World War II, such as terrorism and cold war anxiety, the role of technology, gender roles and multiculturalism, and popular psychology. Students will read novels, stories, and poems published after 1960, with most of them published fairly recently. Students do NOT need to have taken American Literature I or American Literature II to do well in this course.

2628 OL1 ARR ARR SULLIVAN M

There are no prerequisites for this class. Students do not need American Lit I or American Lit II to do well in this course.

**ENGL 261 Women's Literature 5**

This course aims to study women's unique literary voice as a reflection of their history, their place in society, and their role in a changing world. In this survey literature course we will read fiction, memoirs, and poetry written by prominent women authors that take on topics of women's suffrage, health care, reproductive rights, domestic violence, body image, gender performativity, sexuality / gender identity, and other issues of female empowerment. Emphasis is on the development of critical thinking skills through a series of papers and projects that draw into question the development of differences between the sexes, the acquisition of gender roles, and the maintenance of gender stereotypes.

2648 01 MTWTh 09:15AM-10:20AM 1855A STODDARD C

### **Environmental Science**

**ENVS&100 Survey of Environmental Science 5**

An introduction to the fundamental principles of environmental science, topics of study include: environmental, science, and information literacy, human population growth, environmental economics, ecosystems, population and community ecology, biodiversity, evolution and extinction, forests and grasslands, marine ecosystems, fisheries and aquaculture, freshwater resources and water pollution, solid waste, agriculture, coal and petroleum, air pollution and climate change, nuclear power, alternative energy sources, biofuels, urbanization, and sustainable communities. NS

2670 01 MTWTh 08:00AM-09:05AM 1252 DUVALL K

2672 21 TTh 05:30PM-07:45PM 1252 NOEL M

2671 OL1 ARR ARR COBB S

Section OL1: Course work will be completed online via Canvas. Students need to have access to a reliable Internet connection. Students participate in online discussion forums, class activities, & submit assignments online; exams are taken on campus. Fee \$10.

### **First Aid**

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

Lab Fee: \$9.00

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

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

Start & end date: 04/03/15 to 04/17/15

Books are required. Class meets 4/3, 4/10, 4/17.

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

Start & end date: 04/04/15 to 04/18/15

Books are required. Class meets 4/4, 4/11, 4/18.

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

Start & end date: 04/24/15 to 05/08/15

Books are required. Class meets 4/24, 5/1, 5/8.

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

Start & end date: 05/15/15 to 05/29/15

Books are required. Class meets 5/15, 5/22, 5/29.

### **French**

**FRCH&121 French I 5**

Beginning French language and culture taught using a communicative approach. Through the use of drama and themes, this course focuses on listening, speaking, reading and writing skills and the culture of the French-speaking world. HU

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

**FRCH&122 French II 5**

Beginning French language and culture taught using a communicative approach. Through the use of drama and themes, this course focuses on listening, speaking, reading and writing skills and the culture of the French-speaking world. Prerequisite: FRCH& 121 HU

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

**FRCH&123 French III 5**

Beginning French language and culture taught using a communicative approach. Through the use of drama and themes, this course focuses on listening, speaking, reading and writing skills and the culture of the French-speaking world. Prerequisite: FRCH& 122 HU

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

**Health Education****HED 122 The Human Body and Disease II 5**

Lab Fee: \$10.00

The second of a three-part course sequence examining body structure, function and disease. This includes the analysis and discussion of the nervous system, endocrine system, the senses, cardiovascular system, and respiratory system. Common diagnostic tests/treatments, pharmacological agents, and possible prognoses for common disease processes are included. There is no lab component. Prerequisite: Completion of HED 121 with a minimum grade of 2.0.

2810 01H T 01:00PM-03:00PM 1722 AUSERE S

**HED 123 The Human Body and Disease III 5**

Lab Fee: \$10.00

The third of a three-part course sequence examining body structure, function and disease. This includes the analysis and discussion of the lymphatic system, gastrointestinal system, the urinary system, reproductive system, and basic diagnostic tests. Common diagnostic tests/treatments, pharmacological agents, and possible prognoses for common disease processes are included. There is no lab component. Prerequisite: Completion of HED 121 and HED 122 with a minimum grade of 2.0.

2822 21H ARR ARR 1802 DE HOOG J

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Mandatory orientation April 2 from 5:45-6:45 p.m. in room 1802; final exam June 11 from 4:30-5:45 p.m. in room 1802.

**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-10:20AM 1721 STAFF

**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 21H W 05:30PM-06:50PM 1718 MOTZKUS P

2842 22H ARR ARR 1802 DE HOOG J

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Mandatory orientation April 2 from 4:30-5:30 p.m. in room 1802; final exam June 11 from 6:00-8:30 p.m. in room 1802.

**HED 239 Medical Ethics 2**

Lab Fee: \$10.00

This course introduces ethical and legal issues facing medical professionals.



2850 21H M 05:30PM-06:50PM 1718 MOTZKUS P

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Online fee is \$10.

### History

**HIST&118 Western Civilization III 5**

Lab Fee: \$10.00

This course stresses the international transition from European domination to the rise of superpowers and third world nations. World Wars, depression, Democracy, Nazism, Communism, and the European Community are major themes studied (1800-1990). SS

2910 OL1 ARR ARR WAITES W

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 further course instructions. Fee is \$10

**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 10:30PM-11:35AM 1601 RILEY C

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.

**HIST&137 US History 2 5**

Lab Fee: \$10.00

From the end of the Civil War to present day, this course examines Reconstruction, the Gilded Age, America's rise to a world power, World War I, the triumph of Modernism, the Depression and New Deal, World War II, the Cold War, the turbulent 1960s, disillusioned '70s and the Reagan Revolution. More recent events are examined as ongoing and current events. Prerequisites: Placement in ENGL& 101 or completion of ENGL 099. Prior completion of HIST& 136: United States History I, is not required in order to take this class. SS

2936 OL1 ARR ARR RILEY C

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. Online fee is \$10.

**HIST 201 Native American History to 1840 5**

This course will explore the diversity of Native American cultures from the period before European contact, into the era of conquest and colonization through the creation of the United States and the challenges that followed for these groups.

2960 01 MTWTh 11:45AM-12:50PM 1601 HUERTA J

**HIST 270 The Roman World 5**

This course is a survey of Roman history from the founding of the city in the 8th century BC to the collapse of the Empire in the west in the 5th century AD. The content is organized chronologically, but we will also take time to look at Roman culture including literature, art, architecture and drama. SS

2995 01 MTWTh 01:00PM-02:05PM 1608 WAITES W

Section 01 incorporates traditional class time and 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 class for further instructions.

**Humanities****HUM 110 Greek Mythology 5**

Greek Mythology is the basis for understanding Western literature, art, history and even some symbolism on U.S. currency. More than just entertainment, the ancient myths discuss our relationship to the divine, the nature of power, and the importance of heroics. This course will cover the pantheon of Greek gods and the literary styles of the epic, tragedy, and comedy. HU

2997 01 MTWTh 11:45AM-12:50PM 1609 KNEPP D

2998 OL1 ARR ARR KNEPP D

Online fee is \$10.

**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

3001 21H T 06:00PM-08:30PM 1606 CLOSE S

Section 21H 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.

**Industrial Systems****IST 106 Basic Electricity--AC Circuit Analysis 5**

Lab Fee: \$38.50

Teaches alternating current theory, waveform quantities and characteristics, including network analysis with reactive components. Proper use of test equipment and troubleshooting simple circuits. Prerequisite: IST 105-Basic Electricity-DC; MAP 103-Technical Mathematics; or Instructor Permission

3058 01 MW 12:30PM-03:30PM 3607 AYERS J

**IST 107 Industrial Electricity I 5**

Lab Fee: \$38.50

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 110 Introduction to the National Electric Code 2**

Introduction to Washington State electrical law and the National Electric Code as they pertain to the working electrical technician. Prerequisite: IST 107-Industrial Electricity I or instructor's permission.

3070 01 MW 03:30PM-04:20PM 3606 ATRY B

**IST 113 Industrial Electrical Installation Techniques 5**

Lab Fee: \$38.50

Fundamentals of raceway, wire and utilization equipment installations for plant safety, efficiency and long economic life. Prerequisite: IST 107 Industrial Electricity I or Instructor permission.

3089 01 F 08:00AM-02:30PM 3606 AYERS J

**IST 141 Intro to Mechanized Irrigation Applications I 5**

Lab Fee: \$38.50

This class will introduce the history and development of mechanized irrigation. It will distinguish the basic irrigation systems: pivot, swing arm corner, and lateral move systems. Course work will examine the various propulsion systems, electrical/electronic/digital logic controls and irrigation hydraulic principles. It will focus on technical service and operation aspects in a "real-life" lab environment under actual conditions. Prerequisites: IST 101 and IST 102. (Formerly IST 140)

3112 01 MW 09:00AM-12:15PM 3602 BESHSE L

**IST 150 Introduction to Programmable Logic Controllers 5**

Lab Fee: \$38.50

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 MW 09:00AM-12:00PM 3604 ATRY B

**IST 180 Machining I 5**

Lab Fee: \$38.50

Layout and fabrication techniques with the use of semi-precision and precision measurement tools. Introduction to Drill Press, Engine Lathe and Vertical Mill operations. Prerequisite(s): MAP 103-Applied Mathematics and IST 102- Technical Drawing Interpretation or instructor permission.

3127 21 TTh 05:00PM-08:00PM 3500 AUTRY B

**IST 182 Machining II 5**

Lab Fee: \$38.50

Fundamentals of machining processes on lathes and vertical mills. Precision measurement with micrometers, vernier calipers, and dial indicators. Prerequisite: IST 180- Machining I or instructor permission.

3133 21 TTh 05:00PM-08:00PM 3500 AUTRY B

**IST 184 Machining Skill Enhancement 4**

Lab Fee: \$30.80

Extra "hands on" time and instruction to supplement the students machining skill level using fundamental machining processes on lathes, vertical milling machines and other machine shop equipment. Prerequisite: IST 182-Machining II or instructor permission.

3138 21 TTh 05:00PM-08:00PM 3500 AUTRY B

**IST 208 Industrial Electricity III 5**

Lab Fee: \$38.50

Electrical theory, operation and set-up of variable frequency drives (VFD's), soft start devices, 4-20 ma. control loops and grounding issues associated with electronic devices. Prerequisite: IST 207 or instructor permission.

3151 01 TTh 12:30PM-03:30PM 3606 AYERS J

**IST 221 Electronics I (Principles) 5**

Lab Fee: \$38.50

Introduction to principles and applications of analog and digital electronic devices, circuits, and systems. Prerequisite: IST 106 or instructor permission.

3160 01 TTh 09:00AM-12:00PM 3607 ROBERTS J

**IST 224 Electronic Communication I 5**

Lab Fee: \$38.50

Provides instruction covering the basic concepts of electronic communication equipment and systems. Emphasis is on radio frequency and other high speed data applications that are being applied in new configurations within the industrial community. Prerequisite: IST 222-Electronics II or instructor permission.

3177 21 TTh 04:30PM-07:30PM 3607 MATERN S

**IST 226 Introduction to Fiber Optics: Theory and Systems 5**

Lab Fee: \$38.50

Introduction to fiber optics equipment and systems. Fiber perspective as a communications medium, with emphasis on the advantages of fiber compared to copper or radio linked systems. Review of the importance of electronics communications with explanations of basic concepts such as bits and bytes, analog and digital, and light. Prerequisite: IST 225--Electronic Communications II or Instructor permission

3186 21 MW 04:30PM-07:30PM 3607 MATERN S

**IST 270 Instrumentation II & Control Actuators 5**

Lab Fee: \$38.50

Maintenance procedures and troubleshooting techniques for control/measurement loops in the industrial environment along with fundamentals of control valves, actuators, their applications, techniques of safe trouble shooting, testing, repairing, and calibrating final control elements. Prerequisite(s): IST 170 and IST 223 or instructor permission.

3197 01 MW 09:00AM-12:00PM 3606 AYERS J

**IST 282 Fluid Power Transmission 5**

Lab Fee: \$38.50

Fundamentals of industrial hydraulic, pneumatic, and vacuum systems. Includes pumps, piping, compressors, check valves, cylinders, motors, control valves and flow controls. Prerequisite(s): IST 100; IST 102; MAP 103 or instructor permission.

3212 01 TTh 09:00AM-12:00PM 3500 ATRY B

**IST 284 Pumping Hydraulics & Mechanics 5**

Lab Fee: \$38.50

This course explores the fundamental of pump systems characteristics, hydraulic principles, and pumping technology; including various designs, pump seals, lubrication, & mechanical maintenance. Prerequisite: IST 280 or instructor permission.

3220 01 TTh 12:30PM-03:30PM 3500 ATRY 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 08:00AM-09:05AM 1855B ERICKSON L

3237 02 MTWTh 11:45AM-12:50PM 1855B ERICKSON L

3238 03 MTWTh 01:00PM-02:05PM 1855B ERICKSON L

**MATH 094 Introduction to Algebra 5**

Lab Fee: \$19.00

This course includes the study of basic arithmetic and algebraic concepts and operations including operations with integers, fractions, decimals and percents; order of operations, measurement, the metric system, algebraic expressions, formulas and simple linear equations(formerly MCP 090, Math 090) Prerequisite: Appropriate placement on the BBCC math placement exam

3248 CL1 MTWTh 08:00AM-09:05AM 1215 SHERWOOD M

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.

3249 CL2 MTWTh 09:15AM-10:20AM 1215 ADAMS S

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

3250 CL3 MTWTh 10:30AM-11:35AM 1215 SEIM A

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.

3251 CL4 MTWTh 11:45AM-12:50PM 1215 MAYER A

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 CL5 MTWTh 01:00PM-02:05PM 1215 SHERWOOD M

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.

3253 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.

3255 CLN MW 06:00PM-08:30PM 1215 BAUER J

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 I 5**

Lab Fee: \$19.00

This course includes the study of intermediate algebraic operations and concepts, and the structure and use of algebra. This includes solving, graphing, and solving applications of linear equations and systems of equations; simplifying, factoring, and solving quadratic functions, introduction to functions and models; and exponential and logarithmic functions along with applications. (formerly Math 095, 096) Prerequisite: MATH 094 or placement.

3288 CL1 MTWTh 08:00AM-09:05AM 1215 SHERWOOD M

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.

3297 01 MTWTh 09:15AM-10:20AM 1218 MAYER A

Taught in traditional lecture manner.

3289 CL2 MTWTh 09:15AM-10:20AM 1215 ADAMS 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 SEIM A

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.

3291 CL4 MTWTh 11:45AM-12:50PM 1215 MAYER A

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 CL5 MTWTh 01:00PM-02:05PM 1215 SHERWOOD M

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 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 BAUER J

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.

3296 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 099 Intermediate Algebra 5**

Lab Fee: \$19.00

This course is designed to prepare students for precalculus and finite math. It includes the study of inequalities, applications of systems, rational expressions, functions, radicals, rational exponents, radical equations, complex numbers, quadratic equations and their application. (formerly Math 098) Prerequisite: Math 098 or placement.

3378 CL1 MTWTh 08:00AM-09:05AM 1215 SHERWOOD M

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.

3379 CL2 MTWTh 09:15AM-10:20AM 1215 ADAMS 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.

3380 CL3 MTWTh 10:30AM-11:35AM 1215 SEIM A

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.

3299 01 MTWTh 11:45AM-12:50PM 1607 STAFF

Taught in traditional lecture manner.

3381 CL4 MTWTh 11:45AM-12:50PM 1215 MAYER A

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.

3382 CL5 MTWTh 01:00PM-02:05PM 1215 SHERWOOD M

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.

3383 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.

3385 CLN MW 06:00PM-08:30PM 1215 BAUER J

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.

3300 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: \$19.00

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

3301 01 MTWTh 09:15AM-10:20AM 1219 LANE S

3302 02 MTWTh 11:45AM-12:50PM 1202 ABED S

**MATH&141 Precalculus I 5**

Lab Fee: \$19.00



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 099 MS/SQR

3315 01 MTWTh 08:00AM-09:05AM 1202 WHITNEY B

3316 02 MTWTh 09:15AM-10:20PM 1202 WHITNEY B

3318 03 MTWTh 10:30AM-11:35AM 1252 FARAG S

**MATH&142 Precalculus II 5**

Lab Fee: \$19.00

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 11:45AM-12:50PM 1252 WHITNEY B

3322 02 MTWTh 01:00PM-02:05PM 1252 WHITNEY B

**MATH&146 Introduction to Statistics 5**

Lab Fee: \$19.00

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 099 or placement in MATH 141/SQR

3330 01 MTWTh 08:00AM-09:05AM 1250 ABED S

3332 02 MTWTh 09:15AM-10:20AM 1252 FARAG S

3333 03 MTWTh 01:00PM-02:05PM 1202 ABED S

3335 21H TTh 06:30PM-08:30PM 1219 HARBERTS B

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Online fee is \$10.

**MATH&148 Business Calculus 5**

Lab Fee: \$19.00

This is an introductory calculus course for business and economics students. It includes an introduction to rates of change, differentiation, integration, areas, and appropriate calculus techniques. There are also applications to marginal analysis in economics, optimization and other relevant applications. Prerequisite(s): Math 141 or 147, math placement exam or instructor permission.

3345 01 MTWTh 01:00PM-02:05PM 1218 FARAG S

**MATH&151 Calculus I 5**

Lab Fee: \$19.00

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 1202 ABED S

**MATH&163 Calculus 3 5**

Lab Fee: \$19.00

This course will expand on the applications and techniques of differentiation learned in the first and second quarters. It will introduce the student to the calculus of sequences and series and the use of the MacLauren and Taylor series to approximate functions. It will introduce the student to the calculus of curvilinear functions and the concept of the vector and vector functions. It will also introduce the concept of a partial derivative and the maximization of functions given in more than one independent variable. Prerequisite: MATH& 152 or instructor permission. MS/SQR

3360 01 MTWTh 10:30AM-11:35AM 1219 LANE S

**MATH 220 Linear Algebra 5**

Lab Fee: \$19.00

A study of matrix algebra and systems of equations, abstract vector spaces including basis and dimension, linear transformations, eigenvalues and eigenvectors. Some applications of linear algebra to illustrate the above concepts. Prerequisite: MATH& 152 or instructor permission. MS/SQR

3365 01 MTWTh 08:00AM-09:05AM 1219 LANE S

**Medical Assistant**

**MA 113 Clinical Procedures III 5**

Lab Fee: \$30.00

This course builds on and advances the skills learned in Clinical Procedures I and II. It develops the students skills in proper use of medical equipment and procedures including casting and splinting, medication delivery, sample collection, venipuncture and basic radiology. Prerequisite: MA 112

3567 01H F 08:00AM-05:00PM 1722 OHS K

3569 02B F 08:00AM-05:00PM 1722 OHS K

**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 1718 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

3607 01 MTWTh 10:30AM-11:35AM 1134 PATTERSON P

**MUSC 116 Group Piano II 2**

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

3634 01 MW 02:15PM-03:20PM 1135 PATTERSON P

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

**MUSC 117 Group Piano III 2**

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

3638 01 MW 02:15PM-03:20PM 1135 PATTERSON P

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

**MUSC 124 Orchestra I 2**

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

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

**MUSC 134 Beginning Group Guitar 2**

This course provides a group approach to progressive instruction, for beginning, advanced beginning and intermediate level guitarists. This course may be repeated for credit up to three times. HP

3670 01 TTh 02:15PM-03:30PM 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

**MUSC 215 Group Piano IV 2**

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

3730 01 MW 02:15PM-03:20PM 1135 PATTERSON P

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

**MUSC 216 Group Piano V 2**

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

3733 01 MW 02:15PM-03:20PM 1134 PATTERSON P

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

**MUSC 217 Group Piano VI 2**

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

3736 01 MW 02:15PM-03:20PM 1134 PATTERSON P

**MUSC 224 Orchestra II 1**

A community and college orchestra that plays for community musicals and graduation as well as other functions throughout the year. May be repeated for credit.  
Prerequisite: MUSC 124 HP

3740 21 M 06:00PM-08:00PM 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 1700 ERWIN K

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

**NUR 130 Beginning Nursing Concepts II 6**

This course continues to focus on nursing theory as it relates to basic needs throughout the lifespan, including care of the pediatric patient. Bioethical dilemmas and ethical decision making processes are incorporated. Prerequisite: NUTR& 101 with a 2.0 G.P.A. or above.

3840 01 M 09:00AM-04:00PM 1718 BROOKS J

**NUR 131 Beginning Nursing Practicum II 4**

Lab Fee: \$2.50

Practical application in the clinical setting of nursing theory and skills taught in previous nursing courses and introduced in NUR 130 and NUR 137. Practicum focuses on nursing care to a variety patients across the lifespan. Prerequisites: NUTR&101 with a 2.0 G.P.A. or above.

3844 01 ARR ARR ELLISTON J  
 3845 02 ARR ARR BRAVO A  
 3846 03 ARR ARR GONZALEZ-ALL

**NUR 137 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 131). The content is based on theoretical nursing knowledge taught in NUR 130. Prerequisite: NUTR& 101 with a 2.0 G.P.A. or above.

3860 01 ARR ARR 1731 ELLISTON J

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

**NUR 230 Advanced Nursing Concepts III 5**

Focus on advanced theoretical knowledge as it relates to complex/multiple disease entities and emergency situations. A transition to employment component is incorporated to prepare the student for post graduation employment. Prerequisite: CMST&220 with a minimum 2.0 G.P.A or above.

3930 01 M 09:00AM-03:00PM 1722 BROOKS J

**NUR 231 Advanced Nursing Practicum III 6**

Lab Fee: \$2.50

This course focuses on increasing independence and skill in the performances and management of patient care in the clinical setting under the guidance of a registered nurse, based on nursing theory and skills taught in previous nursing courses. Prerequisite: CMST& 220 with a minimum G.P.A. of 2.0.

3934 01 ARR ARR GONZALEZ-ALL

3935 02 ARR ARR BROOKS J

**NUR 240 Professional Issues 1**

This course is designed to assist students in making the transition from the academic setting to a healthcare work environment. It provides preparation for the NCLEX examination, and information about the professional role of the nurse and the legal and ethical responsibilities related to the practice of nursing in the State of Washington. Prerequisite: Instructor permission

3954 01 ARR ARR 1700 BRAVO A

**Nutrition**

**NUTR&101 Nutrition 5**

This introductory course in nutrition will focus on current ideas in nutrition and areas of research. This class will present information on the chemistry and the biological function of nutrients in the body. Diseases associated with an excess or deficit in nutrients will also be explored. Students will acquire a better understanding of some impacts of food choices on a personal level. Prerequisite: Completion of ENGL 099 or placement in ENGL& 101. NS

3980 01 MTWTh 09:15AM-10:20AM 1910 MILLICAN N

3983 OL1 ARR ARR HALEY G

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 such as the nature of knowledge and the contents of reality. HU

4202 01 MTWTh 01:00PM-02:05PM 1219 LANE S

**PHIL&120 Symbolic Logic 5**

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

4210 01 MTWTh 10:30AM-11:35AM 1609 KNEPP D

(Formerly PHIL& 106)

4211 02H MW 02:00PM-04:00PM 1601 KNEPP D

Section 02H 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. (Formerly PHIL& 106)

4215 OL1 ARR ARR CAREY B

(Formerly PHIL& 106) Online fee is \$10.

### Physical Education

**PEH 090 Recreational Gym 0**

Community Ed Fee: \$28.90

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**

Lifetime Wellness is designed to promote the student's understanding of their physical, emotional, and social health needs, and to develop strategies to meet these needs and improve overall health and well-being. SE

4310 01 TWTTh 09:15AM-10:05AM 1608 STAFF

4312 02 MTW 10:30AM-11:20AM 1721 MILLICAN N

4314 OL1 ARR ARR NICHOLS L

Online fee is \$10.

4315 OL2 ARR ARR NICHOLS L

Online fee is \$10.

**PEH 105 Theory Of Baseball 3**

A practical course relating to the coaching aspect of baseball. Emphasis is placed on teaching/coaching strategies, the body mechanics of the athlete, evaluation methods, and the organization of a baseball program. SE

4327 01 ARR ARR DOUMIT P

**PEH 106 Theory Of Women's Softball 3**

A practical course relating to the coaching aspect of softball. Emphasis is placed on teaching/coaching strategies, the body mechanics of the athlete, evaluation methods, and the organization of a softball program. SE

4330 01 ARR ARR MOFFITT R

**PEH 114 Basketball 1**

Lab Fee: \$3.80

Basketball is designed to improve the student's basketball skills/knowledge and to provide an awareness of the sport as a lifetime activity offering fun and fitness. May be repeated for up to three (3) credits. AC

4336 01 ARR ARR 2014 WILKS P

Meet your instructor in the gym on Monday, March 30, from 1:15-2:00 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class. AC

**PEH 125 Conditioning 1**

Lab Fee: \$3.80

Conditioning is designed to introduce the student to the basic principles and training methods for body conditioning so they can establish an exercise program to enhance overall wellbeing. May be repeated for up to three (3) credits. AC

4338 01 ARR ARR 2014 POTH M

Meet your instructor in the gym on Monday, March 30, at 2:15 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

4339 02 ARR ARR 2014 WILKS P

Meet your instructor in the gym on Monday, March 30, from 1:15-2:00 p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

4355 03 TTh ARR 2012 STAFF

Meet your instructor in the gym on Tuesday, March 31 from 1:00-2:00p.m. or by appointment. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

**PEH 131 Circuit Weight Training 1**

Lab Fee: \$3.80

Circuit weight training is designed to introduce the student to the basic principles and training methods for weight training so to establish a program to enhance build and maintain muscular strength and endurance. May be repeated for up to three (3) credits.AC

4365 01 ARR ARR DOUMIT P

Meet your instructor in the gym on Monday, March 30, 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.

4367 02 ARR ARR MOFFITT R

Meet your instructor in the gym on Monday, March 30, 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 133 Weight Training 1**

Lab Fee: \$3.80

Weight training is designed to enhance the student's knowledge and practices regarding the basic techniques of weight training using weight machines and free weights. May be repeated for up to three (3) credits. AC

4375 01 MW ARR 2014 DE HOOG M

Meet your instructor in the gym on Monday, March 30, in room 2005. A minimum of 2 activity hours must be completed weekly in order to successfully complete this class.

**PEH 153 Lifeguard Training 2**

Instruction leading to qualification for America Red Cross Lifeguard/First Aid/CPR/AED training certification. Prerequisite: Persons are eligible who have passed their 15th birthday, are in sound physical condition, and have completed the following prerequisites. 1.Fifteen years of age on or before the beginning of the course. 2.Swim 300 yards continuously demonstrating breath control and rhythmic breath. Candidates may swim using the front crawl, breaststroke or a combination of both but swimming on the back or side is not allowed. 3. Tread water for 2 minutes using only the legs. Candidates should place their hands under the armpits. 4. Complete a timed event within 1 minute, 40 seconds.\*Starting in the water, swim 20 yards.\*Surface dive, feet-first or head-first, to a depth of 7 to 10 feet to retrieve a 10-pound object.\*Return to the surface and swim 20 yards on the back to return to the starting point with both hands holding the object and keeping the face at or near the surface so they are able to get a breath. Candidates should not swim the distance under water.\*Exit the water without using a ladder or steps.



4388 21 DAILY 03:30PM-08:30PM 1250 LOS T  
 \*\*\*\* Sa 05:30PM-08:30PM 1250 LOS T  
 \*\*\*\* Su 10:00AM-06:00PM 1250 LOS T

Start & end date: 04/06/15 to 04/12/15

In addition to regular tuition, students need to register with Moses Lake Parks Dept and pay their \$150 fee. For more information please call 764.3805 or visit mlrec.com. The swimming portion of this class will meet at the Moses Lake High School pool, 803 E Sharon Avenue.

**PEH 155 Body Toning 1**

Lab Fee: \$3.80

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  
 4391 02 MW 11:45AM-12:35PM 2015 NIELSEN C  
 4392 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.

**Physics**

**PHYS&114 General Physics I with Lab 5**

Lab Fee: \$18.80

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. 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. Prerequisite: Completion of MATH 099 with 2.0 or higher, or instructor permission. LS

4452 01 MTWTh 10:30AM-11:20AM 1217 HAMM J  
 Lab T 02:30PM-04:30PM 1217 HAMM J

Strongly recommended for students considering Engineering Physics for Fall, 2015.

**PHYS&223      Engineering Physics III w/Lab            5**

Lab Fee:    \$18.80

The third in a three-quarter calculus-based sequence in introductory physics intended for students majoring in science or engineering. Course content includes static electricity, current electricity, magnetism, and special relativity. Prerequisite: Successful completion of PHYS& 221 and PHYS& 222.LS

4474 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

4500 01      MTWTh 09:15AM-10:20AM    1103    RILEY C

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.

4502 02      MTWTh 09:15AM-10:20AM    1103    RILEY C

Section 02 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.

4503 03      MTWTh 09:15AM-10:20AM    1103    WAITES W

Section 03 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.

**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. SS

4550 01      MTWTh 08:00AM-09:05AM    1601    RICHINS P

4553 02      MTWTh 02:15PM-03:20PM    1606    HOLLIWAY D

Section 02 incorporates traditional class time and 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 class for further instructions.

4554 21 MW 06:30PM-08:50PM 1606 MENDOZA A

4555 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.

4556 OL2 ARR ARR LEONARD R

Section OL2: All course work for this class will be completed online through Angel. 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**

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

4578 01 MW 10:40AM-12:50PM 1608 HOLLIWAY D

Section 01 incorporates traditional class time and 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 class for further instructions.

**Social Work**

**SOCW 110 Introduction to Social Work 5**

This course is a general introduction to the history of social work, the issues social workers encounter, the systems in which social workers work, the theories and practices social workers utilize, as well as the services they provide across the varying field of practice.

4636 01 MTWTh 01:00PM-02:05PM 1609 STAFF

**Sociology**

**SOC& 101 Intro to Sociology 5**

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

4640 01 MTWTh 08:00AM-09:05AM 1606 STAFF

Section 01 incorporates traditional class time and 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 class for further instructions.

4643 OL1 ARR ARR HOLLIWAY D

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. Online fee is \$10.

4644 OL2 ARR ARR TATE-LIBBY J

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. Online fee is \$10.

### Spanish

**SPAN&121 Spanish I 5**

Lab Fee: \$10.50

Beginning Spanish language and culture taught using a communicative approach. Through the use of drama and themes, this course focuses on listening, speaking, reading and writing skills and the culture of the Spanish-speaking world.HU

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

4703 26 MW 06:00PM-08:30PM MCLAUHLAN N

Section 26 meets at Skillsource, 309 E. 5th Avenue, Moses Lake.

**SPAN&122 Spanish II 5**

Lab Fee: \$10.50

Beginning Spanish language and culture taught using a communicative approach. Through the use of drama and themes, this course focuses on listening, speaking, reading and writing skills and the culture of the Spanish-speaking world. Prerequisite: SPAN& 121. HU

4711 01 MTWTh 10:30AM-11:35AM 1604 LEAVITT A

4713 26 MW 06:00PM-08:30PM MCLAUHLAN N

Section 26 meets at Skillsource, 309 E. 5th Avenue, Moses Lake.

**SPAN&123 Spanish III 5**

Beginning Spanish language and culture taught using a communicative approach. Through the use of drama and themes, this course focuses on listening, speaking, reading and writing skills and the culture of the Spanish-speaking world. Prerequisite: SPAN& 122. HU

4721 01 MTWTh 09:15AM-10:20AM 1604 LEAVITT A

4725 26 MW 06:00PM-08:30PM MCLAUHLAN N

Section 26 meets at Skillsource, 309 E. 5th Avenue, Moses Lake.

### Welding

**WLD 111 Welding Process I 3**

Lab Fee: \$31.50

An introduction to the Shielded Metal Arc Welding process. Students will perform beads, fillets and Plate tests in all position with E6010 and E7018 Electrodes. Students must complete all 6 credits of WLD 111 prior to enrolling in WLD 121.

4840	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL S
4842	02	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
4844	03W	Sa	08:00AM-02:30PM	3401	GILBERT C
4847	21	MW	06:35PM-09:35PM	3403	GILBERT C
4848	22	TTh	06:35PM-09:35PM	3401	GILBERT C

**WLD 112 Thermal Cutting and Welding 3**

Lab Fee: \$31.50

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

4855	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL S
4857	02W	Sa	08:00AM-02:30PM	3401	GILBERT C
4859	21	MW	06:35PM-09:35PM	3403	GILBERT C
4860	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\*

An introduction to welding open root joints. Students use E6010 to complete open root corner joints out of position and open root plate tests out of position. Students must complete all 6 credits of WLD 121 prior to enrolling in WLD 131. Prerequisite: 6 credits of WLD 111.

4880	01	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
4883	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

Students will learn to apply the Gas Metal Arc Welding (MIG) process on steel in all positions using the short circuit transfer mode and the spray transfer mode in the flat and horizontal positions. Prerequisite: WLD 112.

4895	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL S
4897	02	ARR	ARR	3403	MCDANIEL S

4898 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: WLD 120 or instructors permission

4910 01 MTWTh 09:15AM-10:20AM 3401 MCDANIEL S

**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: 6 credits of WLD 121

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

4921 02 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

4922 03W 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

Students will learn to apply the Gas Tungsten Arc Welding (TIG) process on steel and aluminum. short circuit transfer mode . Prerequisite: WLD 122

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

4937 02 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

4938 03W Sa 08:00AM-02:30PM 3403 GILBERT C

4940 21 MW 06:35PM-09:35PM 3403 GILBERT C

4941 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 or instructors permission

4952 21 MW 04:40PM-06:30PM 3401 GILBERT C

**WLD 153 Welding Layout II 3**

Lab Fee: \$31.50

Basic technical pipe drawing interpretations and developments. Patterns for geometric shape used in pipe component fabrication and model construction. Prerequisite: WLD 152 or instructors permission

4970 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

4984 03W Sa 08:00AM-02:30PM 3401 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

Upon successful completion of the course the student will understand the various methods used to test welds. Students will be capable of applying a variety of destructive tests to assess the soundness, ductility, and strength of various weldments. Students will also have a working knowledge of the common methods used in industry to non-destructively examine weldments for acceptability. Prerequisite: WLD 130 or instructors permission.

5014 21 TTh 04:20PM-06:30PM 3401 GILBERT C

**WLD 207 Welding Metallurgy 4**

Lab Fee: \$42.00

An introduction to metallurgy. Ferrous and nonferrous metals, alloys and their groupings will be covered. A number of weld quality concerns and techniques will also be covered. Prerequisite: WLD 206 or instructors permission.

5015 01 MTWTh 08:00AM-09:05AM 3401 MCDANIEL S

**WLD 212 Gas Metal Arc Welding II 3**

Lab Fee: \$31.50

Students will learn to apply both types of Flux core arc welding process on steel and perform Gas Metal Arc Welding on aluminum and stainless steel. Prerequisite: WLD 132

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

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  
 5062 02W Sa 08:00AM-02:30PM 3403 GILBERT C  
 5064 21 MW 06:35PM-09:35PM 3403 GILBERT C  
 5065 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 permission.

5070 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S  
 5072 02W Sa 08:00AM-02:30PM 3403 GILBERT C  
 5074 21 MW 06:35PM-09:35PM 3403 GILBERT C  
 5075 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  
 5082 02W Sa 08:00AM-02:30PM 3403 GILBERT C  
 5084 21 MW 06:35PM-09:35PM 3403 GILBERT C  
 5085 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 permission

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

5120 21 MW 06:35PM-09:35PM 3403 GILBERT C

5121 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 or instructors permission.

5125 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5127 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

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

5140 22 TTh 06:35PM-09:35PM 3403 GILBERT C

**WLD 281 Pipe Welding I 1- 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

5155 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 the 1G, 2G, 5G, and 6G positions using cup walk methods with 1/8" electrodes on various sizes of pipes.

Prerequisite: WLD 212 or instructors permission.

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

5162 02W Sa 08:00AM-02:30PM 3403 GILBERT C

5163 21 MW 06:35PM-09:35PM 3403 GILBERT C

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

**WLD 283 Pipe Welding II 1- 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

5171 02W Sa 08:00AM-02:30PM 3403 GILBERT C

5172 21 MW 06:35PM-09:35PM 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 gain 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 or instructors permission

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

5182 02W Sa 08:00AM-02:30PM 3403 GILBERT C

5183 21 MW 06:35PM-09:35PM 3403 GILBERT C

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

**WLD 285 Pipe Welding III 1- 6**

Lab Fee: \$63.00

\*Variable Credit Lab Fees are calculated at the highest rate\*

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

5191 02W Sa 08:30AM-02:30PM 3403 GILBERT C

5192 21 MW 06:35PM-09:35PM 3403 GILBERT C

5193 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

5202 02 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5204 03W Sa 08:00AM-02:30PM 3403 GILBERT C

5206 21 MW 06:35PM-09:35PM 3403 GILBERT C

5207 22 TTh 06:35PM-09:35PM 3403 GILBERT C

**WLD 295 Work Based Learning 1- 6**

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 3404 MCDANIEL S

**WLD 297 Work Based Learning Seminar 1**

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

5215 01 ARR ARR 3404 MCDANIEL S