

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 MTWTh 05:00PM-06:05PM 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: \$9.80

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: \$9.80

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: 04/11/16 to 06/07/16

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

Lab Fee: \$10.00

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 OL1 ARR ARR SIEVERKROPP

This is an online course. All course work for this class will be completed online through Canvas. Students need to have access to a good, reliable Internet connection. Please check your Canvas course site for course information. Online fee is \$10.

Art

ART& 100 Art Appreciation 5

Lab Fee: \$10.00

Art is a visual language which artists use to record and interpret life experiences. The messages artists share are personal and social records. The ability to understand and appreciate visual art is a skill you can develop through observation and study and one you can utilize throughout your life. We will cover a general overview of artists' materials and techniques as well as historical context with lectures, slides, movies, and experiments with art media. Open to all students.HU

1210 WAO ARR ARR PALKOVIC F

Start & end date: 03/31/16 to 06/08/16

Section WAO: Start and end dates for this class may differ from other BBCC classes. Online fee is \$10.

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 09:15AM-10:35AM 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. HP

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

**** F 09:00AM-01:30PM 1906 PALKOVIC R

Field trips will be held on Fridays from 9:00am-1:30pm 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. HU

1258 01 MTWTh 11:45AM-12:50PM 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 MW 06:00PM-08:50PM 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 MW 06:00PM-08:50PM 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 MW 06:00PM-08:50PM 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 MW 01:00PM-03:50PM 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: \$19.60

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 098 or placement into a higher level math course

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

Lab F 09:00AM-11:00AM 1217 HAMM J

Automotive Technology

AUT 105 Automotive Personal Computer Applications 2

Lab Fee: \$8.00

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 3308 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: 03/28/16 to 04/12/16

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: 04/13/16 to 06/10/16

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 SWEDBURG JM

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 SWEDBURG JM

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 SWEDBURG JM

AVF 190 Flight (Alternate) 1- 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 SWEDBURG JM

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 SWEDBURG JM

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 SWEDBURG JM

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 SWEDBURG JM

AVF 254 Night Flying 1

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

1482 21 MTWTh ARR 3001 SWEDBURG JM

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 SWEDBURG JM

AVF 270 Flight Instructor 4

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

1492 01 MTWTh ARR 3001 SWEDBURG JM

AVF 271 Flight Instructor Instrument - Airplane 2

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

1495 01 MTWTh ARR 3001 SWEDBURG JM

AVF 272 Seaplane Flight 2

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

1498 01 MTWTh ARR 3001 SWEDBURG JM

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 SWEDBURG JM

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 3002 SWEDBURG JM

AVF 290 Flight (Alternate) 1- 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 SWEDBURG JM

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 SWEDBURG JM

Aviation Maintenance

AMT 151 Airframe Mechanic I 4-22

Lab Fee: \$275.00

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: \$262.50

Variable Credit Lab Fees are calculated at the highest rate

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

1570 01 MTWTh ARR 3200 BORG C

AMT 153 Airframe Mechanic III 4-24

Lab Fee: \$300.00

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: \$200.00

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: \$175.00

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: \$200.00

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: \$200.00

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: \$50.00

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 04:00PM-06:45PM 3200 DANNENBERG K

Basic Skills Education

DVS 080 College Transitions Math 1- 4

Review and instruction in whole numbers, decimals, fractions, geometry, and integers. Learn strategies to deal with math anxiety and test taking. Students should note this course does not count towards credit total for financial aid eligibility. Prerequisite: Placement exam or instructor permission. (Formerly: MATH 080)

5302 01H MTWTh 11:45AM-12:50PM 1607 STAFF

5304 21H MW 06:00PM-08:20PM 1607 STAFF

Biology

BIOL&100 Survey of Biology 5

Lab Fee: \$19.60

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 1250 DUVALL K

Lab T 08:00AM-10:00AM 1211 DUVALL K

1601 02 TWTh 10:30AM-11:35AM 1203 WHITNEY M

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

1603 OL1 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 biological principles common to living organisms, this course is intended for students planning to take BIOL& 211 who have some prior biology background but would like a review of the basic biology concepts. Topics of study include: basic chemistry, macromolecules, cell structure, membrane transport, energy and metabolism, DNA replication, gene expression, cell division, and genetics. Prerequisite: Any prior biology course, high school or college-level, is highly recommended.

1604 01H W 01:00PM-02:05PM 1218 WELCH C

BIOL&211 Majors Cellular 5

Lab Fee: \$19.60

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 1219 WHITNEY M

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

BIOL&223 Majors Organismal Phys 5

Lab Fee: \$19.60

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 MWTh 09:15AM-10:20AM 1219 DUVALL K

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

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

Lab Fee: \$19.60

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: \$19.60

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 INSTRUCTORS 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: \$19.60

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 BCC 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

BUS 122 Business Communications 5

Lab Fee: \$10.00

This course promotes the development of business communication skills which include reading, writing, listening, speaking, and interacting within groups. Special emphasis is given to the creation of day-to-day business documents. Prerequisite: BUS121 or ENGL&101.

1736 OL1 ARR ARR STAFF

This is an online course. All course work for this class will be completed online through Canvas. Students need to have access to a good, reliable Internet connection. Please check your Canvas course site for course information. Online fee is \$10.

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

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 WILLINGHAM T

Start & end date: 03/28/16 to 05/12/16

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

1797 02 MTWTh ARR 1613 WILLINGHAM T

Start & end date: 04/18/16 to 06/07/16

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

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 or Basic Keyboarding Skills

1802 01 MTWTh ARR 1613 WILLINGHAM T

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 WILLINGHAM T

Start & end date: 03/28/16 to 05/12/16

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

1810 02 MTWTh ARR 1613 WILLINGHAM T

Start & end date: 04/18/16 to 06/07/16

This is not an online course; it is a self-paced course that requires 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 WILLINGHAM T

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

BIM 109 Internet Communications 1

Lab Fee: \$9.00

This course will introduce the functions of Outlook 2013 and other online communications and the fundamental use and sharing of online documents and data.

1822 01 MTWTh ARR 1613 WILLINGHAM T

Start & end date: 03/28/16 to 05/12/16

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 WILLINGHAM T

Start & end date: 04/18/16 to 06/07/16

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: \$37.00

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.

1828 01H MTWTh ARR 1613 WILLINGHAM T

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 WILLINGHAM T

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 WILLINGHAM T

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

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 WILLINGHAM T

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

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 WILLINGHAM T

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 WILLINGHAM T

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: \$37.00

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.

1876 01H MTWTh ARR 1613 WILLINGHAM T

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.

1881 01H MTWTh ARR 1613 WILLINGHAM T

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: \$37.00

Variable Credit Lab Fees are calculated at the highest rate

This course provides an introduction to Microsoft Access. It is not intended for Business Information Management Program students.

1886 01H MTWTh ARR 1613 WILLINGHAM T

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: \$37.00

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.

1891 01H MTWTh ARR 1613 WILLINGHAM T

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: \$45.00

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 01 MTWTh ARR 1613 WILLINGHAM T

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

BIM 198 Special Topics 1- 5

Lab Fee: \$45.00

Variable Credit Lab Fees are calculated at the highest rate

This course provides individual study in one of the office information technology subject areas. Study and credit hours determined at the time of enrollment by the instructor. Prerequisite: Instructor permission.

1916 01 MTWTh ARR 1613 WILLINGHAM T

See your Canvas class site for information.

BIM 210 Internet 1- 2

Lab Fee: \$28.00

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.

1921 01H MTWTh ARR 1613 WILLINGHAM T

Start & end date: 03/28/16 to 05/12/16

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

1922 02 MTWTh ARR 1613 WILLINGHAM T

Start & end date: 04/18/16 to 06/07/16

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 WILLINGHAM T

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 from BIM180 and introduces the advanced features and integration capabilities of Microsoft Office 2013. This course consists of five modules--Word, Excel, Access, PowerPoint, and Integration. Prerequisite: BIM180 and successful completion of BUS102-Business Mathematics.

1942 01 MTWTh ARR 1613 WILLINGHAM T

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

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 WILLINGHAM T

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 094 or placement in MATH 098. NS

1951 01 MTWTh 10:30AM-11:35AM 1910 GROCE L

CHEM&121 Intro to Chemistry 5

Lab Fee: \$19.60

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 098 or placement in Math 099. A passing grade in High School Chemistry or completion of CHEM& 105 is recommended.

1968 01 MWTh 10:30AM-11:35AM 1218 PETERSON J

Lab T 09:15AM-11:15AM 1216 PETERSON J

1969 02 MWTh 11:45AM-12:50PM 1250 PETERSON J

Lab T 11:45AM-01:45PM 1216 PETERSON J

CHEM&131 Intro to Organic/Biochem 5

Lab Fee: \$19.60

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 02:15PM-03:20PM 1218 PETERSON J

Lab Th 02:15PM-04:45PM 1216 PETERSON J

CHEM&163 General Chem w/Lab III 5

Lab Fee: \$19.60

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 GROCE L

Lab W 11:45AM-02:45PM 1216 GROCE L

1997 02 MTTh 11:45AM-12:50PM 1218 GROCE L

Lab W 03:00PM-06:00PM 1216 GROCE L

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 1856 WORKMAN J

2018 02 MTW 10:30AM-11:20AM 1856 WORKMAN J

2019 03 MTW 01:00PM-01:50PM 1856 STAFF

2020 OL1 ARR ARR DELEON J

Online fee is \$10.

CSS 102 Focus on Success 3

Lab Fee: \$10.00

Students will explore many of the non-academic factors that affect success in college. Students will study self-awareness and the practical application of research to the following areas: career and college course choices; relationships; diversity; values; stress management; substance use; sexual decisions; financial literacy, and diet and exercise. In addition, students will

develop basic computer literacy as they explore the non-academic factors through computer use, word processing operations, email, and use of the Internet.

2058 OL1 ARR ARR HAMMOND D

Online fee is \$10.

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 10:30AM-11:30AM 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 to prepare students for the State of Washington Commercial Driver's License (CDL) Class A exam and entry-level employment as a truck driver with no airbrake restrictions and endorsements for doubles and triples, tankers and hazardous material. Prerequisite: Completed Commercial Driver's License (CDL) Program Application with supporting documents

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

Start & end date: 03/28/16 to 05/06/16

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 1608 JACKSON K
 2094 03 MTWTh 10:30AM-11:35AM 2032 POTH M
 2095 04 MTWTh 11:45AM-12:50PM 1609 POTH MITCH
 2097 05 MTWTh 01:00PM-02:05PM 1609 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 5/28. Online fee is \$10.

2099 21H MW 06:00PM-09:00PM 1608 POTH MITCH

This hybrid class will meet on campus 3/30, 4/18, 4/25, 5/16, 6/1.

Computer Science

CS 101 Intro to Computer Science 3

Lab Fee: \$34.00

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, 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. Note: This course's learner outcomes align to the common IT course, IT 110: Introduction to Information Technology, and is accepted as a transfer course with participating Washington State community and technical colleges. Look for this notation if transferring to another IT program at a Washington State community or technical college. SE

2105 01H W 05:00PM-05:50PM 1509 NEUFVILLE M

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

CS 104 Intro to Computer Hardware 3

Lab Fee: \$24.00

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.

2110 01 MTW 08:00AM-08:50AM 1508 BETZING P

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

CS 105 Intro to Computer Operating Systems 3

Lab Fee: \$24.00

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 client operating systems. Students completing CS 104 and CS 105 will have the knowledge and skills necessary for CompTIA A+ Certification exam preparation.

2114 01 MTW 09:00AM-09:50AM 1508 BETZING P

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

CS 111 Intro to Programming 5

Lab Fee: \$40.00

An introductory programming course using the .NET language to create event-driven programs with a graphical user interface. Topics include variables, control structures, loops, object-oriented programming techniques, forms, debugging, and an introduction to database programming using ADO.NET and SQL. Prerequisite: MATH 0098 or concurrent enrollment.

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

CS 136 Database Programming with SQL 5

Lab Fee: \$40.00

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 MTWTh 01:00PM-02:05PM 1508 WANNER A

This class incorporates traditional class time and a distance education component. 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: \$40.00

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: \$40.00

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 161 Intro to Website Design and Publishing 5

Lab Fee: \$40.00

This course covers the technical knowledge and skills needed to design and publish a web site. Students create web pages with the latest standards of XHTML, HTML5, and Cascading Style Sheets (CSS) with an emphasis on coding web pages that work in both current and future browsers. Topics include web design principles, website development, web authoring standards, configuring images and multimedia on web pages, and website publishing.

2167 01 MTWTh 03:30PM-04:35PM 1508 WANNER A

CS 195 Internship: Work Based Learning 1- 4

Students will participate in a supervised internship with regional computer and information technology employers. Students will acquire industry work experience that validates employability skills. Course may be repeated up to a maximum of 4 credits. Prerequisite: Enrollment in Computer Science program, instructor permission, and concurrent enrollment in CS 197.

2171 01 ARR ARR STAFF

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 participate in class discussions and develop a computer science career-based employment resume. Prerequisite: Concurrent enrollment in CS 195.

2172 01 ARR ARR STAFF

CS 206 Linux Server Administration 5

Lab Fee: \$50.00

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 21H W 04:45PM-07:05PM 1508 BAKER G

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.

CS 265 Web Applications Design & Development 5

Lab Fee: \$40.00

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 01 MTWTh 03:30PM-04:35PM 1508 WANNER A

CS 262 Programming Dynamic Websites 5

Lab Fee: \$40.00

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

2178 01 MTWTh 03:30PM-04:35PM 1508 WANNER A

CS 289 Project Management for Computer Science 5

Lab Fee: \$40.00

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-09:20PM 1508 ELLESTAD M

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.

CS 295 Work Based Learning II 1- 4

Students will participate in an advanced internship with regional computer and information technology employers. Course may be repeated up to 4 credits. Prerequisite: CS 195, CS 197, and instructor permission.

2180 01 ARR ARR STAFF

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 06:00PM-08:30PM 1609 WAHL S

Section 21H 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.

2217 OL1 ARR ARR LEONARD R

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 215 Criminal Investigations 5

This course will review the role investigations play in the criminal justice system. Topics covered will include investigative theory, collection and preservation of evidence, sources of information, interview and interrogation, uses of forensic sciences, case and trial preparations. Investigation techniques will be practiced as part of the course. Prerequisite: Completion of CJ& 101, or instructor permission.

2230 21H MW 06:00PM-08:20PM 1609 POPLAWSKI N

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

CJ 220 Introduction to Corrections 5

Lab Fee: \$20.00

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 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.

2236 OL1 ARR ARR LEONARD R

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.

Early Childhood Education

ECED&180 Lang/Literacy Develop 3

Lab Fee: \$10.00

Develop teaching strategies for language acquisition and literacy skill development at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing, and reading.

2299 21H M 06:00PM-08:00PM 1611 NIGHSWONGER

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.

ECED&190 Observation/Assessment 3

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

Lab Fee: \$10.00

Introduction to the principles of Macro Economics including unemployment, inflation, aggregate demand/supply, Classical and Keynesian Theories, fiscal and monetary policy tools, money and banking, and current economic problems. Strongly recommend placement in MATH 098 or higher and placement in ENGL 099 or higher. SS

2326 OL1 ARR ARR PYLE T

This is an online course. All course work for this class will be completed online through Canvas. Students need to have access to a good, reliable Internet connection. Please check your Canvas course site for course information. Online fee is \$10.

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 21H F 05:30PM-07:30PM 1611 PROVOST R

Students in EDUC& 115 will be taught using the I-BEST model of instruction. Two faculty will be co-teaching the class. One faculty member focuses on professional technical skills while the other focuses on basic & study skills. Pre and post CASAS testing required.

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 VILLAFANA D

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

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. Permission required.

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.

SE

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&112 Engineering Graphics II 5

Lab Fee: \$10.00

This course uses computer software to draft parametric models in three dimensions. This course covers file management methods, rapid prototyping, and 2D drawing development techniques. (SOLIDWORKS) Prerequisite: Instructor Permission. (Formerly: ENGR 265) SE

2460 21H MW 06:00PM-08:00PM 1203 UTTER M

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.

ENGR&204 Electrical Circuits 5

Lab Fee: \$10.00

Introduction to basic circuits and systems concepts. Development of mathematical models of components including resistors, sources, capacitors, inductors and operational amplifiers. Solutions of first and second order linear differential equations associated with basic circuit forms. Steady state sinusoidal excitation and phasors.. Prerequisite: PHYS& 223, MATH& 152, and one of the following: CS 111 or CS& 131 or CS&141; or instructor permission. NS

2468 OL1 ARR ARR CHANG J

ENGR 205 Electric Circuits Lab 1

Lab Fee: \$10.00

Laboratory applications of electrical circuit principles and instrumentation. Measurement of transient and steady-state responses of electrical circuits. Prerequisite: none; Corequisite: ENGR& 204 NS

2469 OL1 ARR ARR CHANG J

ENGR&215 Dynamics 5

Lab Fee: \$10.00

Dynamics is the study of the accelerated motion of particles and rigid bodies. The study of the motion in this course will deal with kinematics (the mathematical description of the motion) and kinetics (the analysis of the forces causing the motion). Vector notation and operations will be used extensively in this course, and calculus will be used regularly. Prerequisites: ENGR& 214, PHYS& 221, and MATH& 152 with grades of 2.0 or higher (Formerly EGR 212) NS

2472 OL1 MTWTh ARR ROOKS R

ENGR 240 Applied Numerical Methods 5

Lab Fee: \$10.00

This course includes application of the following methods: elements of error analysis, real roots of an equation, polynomial approximation by finite difference and least square methods, interpolation, quadrature, numerical solution of ordinary differential equations, and numerical solutions of systems of linear equations. The student should expect to program a computer in addition to using a graphing calculator. Prerequisite: MATH& 163 with grade of 2.0 or higher; or instructor permission. NS

2481 OL1 ARR ARR CHANG J

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: \$8.00

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 1816 SHUTTLE' TH K

2503 02 MTWTh 11:45AM-12:50PM 1816 SHUTTLE' TH K

2504 03 MTWTh 02:15PM-03:20PM 1816 SHUTTLE' TH K

ENGL 087 Reading Improvement 3

Lab Fee: \$12.00

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 1816 SHUTTLE' TH K

2508 02 MTWTh 11:45AM-12:50PM 1816 SHUTTLE' TH K

2509 03 MTWTh 02:15PM-03:20PM 1816 SHUTTLE' TH K

ENGL 093 Basic Writing 3

Lab Fee: \$12.00

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 1816 SHUTTLE' TH K

2513 02 MTWTh 11:45AM-12:50PM 1816 SHUTTLE' TH K

2514 03 MTWTh 02:15PM-03:20PM 1816 SHUTTLE' TH K

ENGL 095 Writing Improvement 3

Lab Fee: \$12.00

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 1816 SHUTTLE' TH K

2518 02 MTWTh 11:45AM-12:50PM 1816 SHUTTLE' TH K

2519 03 MTWTh 02:15PM-03:20PM 1816 SHUTTL' TH K

ENGL 098 Basic English Skills 5

Lab Fee: \$20.00

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

2525 01 MTWTh 08:00AM-09:05AM 1615 WADE V

2526 02 MTWTh 10:30AM-11:35AM 1608 WADE V

2528 21H TTh 06:00PM-07:30PM 1608 PARSONS R

ENGL 099 English Skills (Pre-101) 5

Lab Fee: \$20.00

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 1855B HAMMOND D

2532 02 MTWTh 10:30AM-11:35AM 1855A SHUTTLEWORTH

2534 03 MTWTh 11:45AM-12:50PM 1856 HAMMOND D

2536 21H TTh 06:00PM-07:30PM 1608 PARSONS R

2538 OL1 ARR ARR ERNETTE D

Online fee is \$10.

ENGL&101 English Composition I 5

Lab Fee: \$20.00

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. BS/HU

2545 01 MTWTh 08:00AM-09:05AM 1855A PITTS D

2546 02 MTWTh 09:15AM-10:20AM 1855A PITTS D

2547 03 MTWTh 09:15AM-10:20AM 1909 TWOHY S

2549 04 MTWTh 10:30AM-11:35AM 1855B ERNETTE D

This is a coordinated instruction class with MATH& 107 at 11:45 a.m. Co-enrollment in both classes is required.

2551 05 MTWTh 11:45AM-12:50PM 1909 TWOHY S
 2555 06 TTh 01:00PM-03:30PM 1910 GUTIERREZ O
 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: \$20.00

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

2561 01 MTWTh 08:00AM-09:05AM 1607 CARPENTER J
 2562 02 MTWTh 09:15AM-10:20AM 1606 CLOSE S
 2564 03 MTWTh 09:15AM-10:20AM 1607 CARPENTER J
 2566 04 MTWTh 11:45AM-12:50PM 1910 GUTIERREZ O
 2568 05 MTWTh 01:00PM-02:05PM 1855B ERNETTE D
 2570 OL1 ARR ARR RAMM J

ENGL 109 Applied Technical Writing 3

Lab Fee: \$12.00

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 1717 ELLIOTT A

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&235 Technical Writing 5

Lab Fee: \$20.00

This course is designed to improve students' written technical communication skills as are related to a range of professional applications. The goal of technical writing is to communicate a message clearly, concisely, and persuasively. This course emphasizes critical thinking skills as applied to technical writing, attention to research techniques, detail, professionalism, purpose, and audience. Students will learn to design, format, and produce documents common in business and industry. Prerequisite: ENGL& 101 HU

2611 01 MTWTh 10:30AM-11:35AM 1909 TWOHY S

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 1202 WHITNEY M

2671 OL1 ARR ARR WELCH C

Section OL1: Students access course resources, participate in class discussions & submit assignments, quizzes, and tests online. Online fee is \$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 1507 BENKO A

Start & end date: 04/01/16 to 04/15/16

Books are required. Class meets 4/1, 4/8, 4/15.

2681 02W Sa 09:00AM-05:00PM 1507 BENKO A

Start & end date: 04/02/16 to 04/16/16

Books are required. Class meets 4/2, 4/9, 4/16.

2682 03 F 09:00AM-05:00PM 1507 BENKO A

Start & end date: 04/22/16 to 05/06/16

Books are required. Class meets 4/22, 4/29, 5/6.

2683 04 F 09:00AM-05:00PM 1507 BENKO A

Start & end date: 05/13/16 to 06/03/16

Books are required. Class meets 5/13, 5/20, 6/3.

Geology

GEOL&101 Intro Physical Geology 5

Lab Fee: \$29.60

This course provides a study of the structure and composition of the earth's crust. Emphasis is placed on weathering, erosional and depositional processes, mountain building forces, rocks and minerals, and structural change. Upon completion, students should be able to explain the structure, composition, and formation of the earth's crust. Prerequisite: MATH 099 or above. LS

2771 21H TTh 06:00PM-08:30PM 1252 NOEL M

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.

German

GERM&121 German I 5

Beginning German 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 German-speaking world. HU

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

GERM&122 German II 5

Beginning German 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 German-speaking world. Prerequisite: GERM& 121 HU

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

GERM&123 German III 5

Beginning German 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 German-speaking world. Prerequisite: GERM& 122 HU

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

Health Education

HED 119 Medical Terminology 5

Lab Fee: \$10.00

This course offers a broad overview of the fundamentals of medical terminology. Topics covered include: prefixes, suffixes, combining forms, word roots,

abbreviations and basic human anatomy and physiology as they pertain to all major body structures and functions.

2797 21H MW 05:30PM-06:50PM 1722 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.

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, completion of HED 119 with a minimum grade of 2.0

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

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.

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, completion of HED 119 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 March 30 from 6:00-7:00 p.m. in room 1802; final exam June 8 from 6:00-7:15 p.m. in room 1802.

History

HIST 110 The American Experience 5

A brief history of the United States, this course combines a chronological and thematic approach to answer a few essential questions-the most important of which being, what does it mean to be an American? Critical periods in American History are examined with an eye toward their lasting impact upon American culture and politics. These periods include the colonial and revolutionary era, the age of reform (1830s/40s), the Civil War and Reconstruction, the Age of Industrialization, and world wars, and the Cold War. Essential questions will examine such things as democracy, opportunity, justice and equality. SS

2895 01 MTWTh 09:15AM-10:20AM 1601 RODMAN S

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&137 US History 2 5

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

2935 01 MTWTh 01:00PM-02:05PM 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.

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 245 American Civil War and Reconstruction 5

This course examines the institutions, events, and personalities that made the Civil War an "irrepressible conflict," and the difficult reconstruction period that followed. The onset of the Civil War was rooted in the national controversy over slavery. For this reason a detailed look at southern slavery, northern industrialism and sectional politics and secession will precede study of the military history of the war itself and the political reconstruction. SS

2985 01 MTWTh 11:45AM-12:50PM 1605 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 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 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 W 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: \$40.00

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: \$40.00

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

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

IST 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: \$40.00

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 142 Mechanized Irrigation Applications II 5

Lab Fee: \$40.00

This class will reinforce the concepts of mechanized irrigation systems acquired from the intro class. Course work will provide an in-depth and practical view of the various propulsion systems, electrical/electronic/digital logic controls and irrigation hydraulic principles. It will focus on technical service and operation aspects irrigation service technicians experience in the field. Instruction using "real-life" lab equipment under authentic conditions provides "hands on" experience similar to actual field work. Prerequisites: IST 141; Intro to Mechanized Irrigation Applications I

3114 01 ARR ARR 3602 BESHARSE L

IST 150 Introduction to Programmable Logic Controllers 5

Lab Fee: \$40.00

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

3115 01 MW 09:00AM-12:00PM 3604 AUTRY B

IST 180 Machining I 5

Lab Fee: \$40.00

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: \$40.00

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: \$32.00

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: \$40.00

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: \$40.00

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: \$40.00

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: \$40.00

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: \$40.00

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: \$40.00

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: \$40.00

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 010 Math Lab 0

Community Ed Fee: \$44.10

Permits the use of the STEM Center Resources by non-BBCC students during regular STEM Center hours.

3234 01 DAILY ARR ADAMS S

MATH 094 Introduction to Algebra 5

Lab Fee: \$20.00

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 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.

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 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.

3252 CL5 MTWTh 01:00PM-02:05PM 1215 WHITNEY B

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 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.

3255 CLN MW 06:00PM-08:30PM 1215 RAMIREZ 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.

MATH 098 Intermediate Algebra I 5

Lab Fee: \$20.00

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.

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

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 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.

3292 CL5 MTWTh 01:00PM-02:05PM 1215 WHITNEY B

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 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.

3295 CLN MW 06:00PM-08:30PM 1215 RAMIREZ 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.

3296 OL1 ARR ARR ADAMS S

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

MATH 099 Intermediate Algebra II 5

Lab Fee: \$20.00

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.

3299 01 MTWTh 09:15AM-10:20AM 1218 FARAG S

Taught in traditional lecture manner.

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

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.

3381 CL4 MTWTh 11:45AM-12:50PM 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.

3382 CL5 MTWTh 01:00PM-02:05PM 1215 WHITNEY B

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 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.

3385 CLN MW 06:00PM-08:30PM 1215 RAMIREZ 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.

3300 OL1 ARR ARR ADAMS S

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

BS

MATH&107 Math in Society 5

Lab Fee: \$20.00

This course will introduce the non-math/science major to mathematical applications in a variety of disciplines. Prerequisite: Appropriate scores in the BCCC Mathematics Assessment or successful completion of MATH 098 or placement into MATH 099/107/146. SQR

3301 01 MTWTh 11:45AM-12:50PM 1855B HARBERTS B

This is a coordinated instruction class with ENGL& 101 at 10:30 a.m. Co-enrollment in both classes is required.

3302 21 TTh 06:00PM-08:30PM 1219 BAUER J

3303 OL1 ARR ARR ABED S

MATH&141 Precalculus I 5

Lab Fee: \$20.00

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 1252 WHITNEY B

3316 02 MTWTh 09:15AM-10:20PM 1252 WHITNEY B

3317 03 MTWTh 11:45AM-12:50PM 1202 ABED S

MATH&142 Precalculus II 5

Lab Fee: \$20.00

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

3320 01 MTWTh 08:00AM-09:05AM 1218 STAFF

3322 02 MTWTh 11:45AM-12:50PM 1252 WHITNEY B

MATH&146 Introduction to Statistics 5

Lab Fee: \$20.00

This course is an introduction to descriptive statistics, probability and its applications, statistical inference and hypothesis testing, predictive statistics and linear regression. Prerequisite: Appropriate scores in the BCC Mathematics Assessment or successful completion of MATH 098 or placement into MATH 099/107/146. SQR

3330 01 MTWTh 09:15AM-10:20AM 1202 ABED S

3332 02 MTWTh 10:30AM-11:35AM 1252 FARAG S

3333 03 MTWTh 01:00PM-02:05PM 1202 HARBERTS B

MATH&148 Business Calculus 5

Lab Fee: \$20.00

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 1252 FARAG S

MATH&151 Calculus I 5

Lab Fee: \$20.00

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 BBCC placement exam, or instructor permission. MS/SQR

3350 01 MTWTh 10:30AM-11:35AM 1202 ABED S

MATH&163 Calculus 3 5

Lab Fee: \$20.00

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: \$20.00

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

3366 OL1 ARR ARR STAFF

Section OL1: All course work for this class will be completed online. Students need to have access to a reliable internet connection. Online fee is \$10.

Medical Assistant

MA 113 Clinical Procedures III 4

Lab Fee: \$51.33

This course builds upon knowledge and skills acquired during Clinical Procedures I and II. Students will further their understanding of the medical front office by learning about electronic medical records, as well as insurance and billing. The students will also investigate different specialty practices such as ENT, Ophthalmology, Pediatrics, Radiology, Cardiology, Pulmonology, Geriatrics, Urology, OB/GYN, Phlebotomy and the clinical laboratory. Prerequisite: Minimum final grade of 2.0 in MA 112 or instructor permission required.

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

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

Students in MA 113 will be taught using the I-BEST model of instruction. Two faculty will be co-teaching the class. One faculty member focuses on professional technical skills while the other focuses on basic & study skills. CASAS testing required.

MA 150 Pharmacology for Medical Assistants 3

This basic pharmacology course provides instruction on therapeutic action and major side effects of common drugs, principles of medication and dosage calculations for Medical Assisting. Prerequisite: 2.0 in MAP 108.

3570 21 TTh 05:20PM-06:50PM 1722 STAFF

Music

MUSC&105 Music Appreciation 5

This course is designed to acquaint students with the elements of music and enhance the student's experience in listening to music from a global perspective. By drawing attention to the wide variety of music and the place/role of music in different cultures, students will develop an awareness of the diverse musical styles and cultures in the United States and throughout the world. HU

3607 01 MTWTh 09:15AM-10:20AM 1134 DZBENSKI M

3608 OL1 ARR ARR DZBENSKI M

Students need to have access to a reliable computer and Internet connection as this course is delivered all online. Online fee is \$10.

MUSC 120 College Band 1

This traditional ensemble made up of woodwind, brass, and percussion instruments rehearses a wide variety of concert band literature for study and performance. This ensemble will perform quarterly for campus and community events. This course may be repeated for up to six credits HP

3642 21 T 06:30PM-08:30PM 1134 DZBENSKI M

MUSC 134 Beginning Group Guitar 2

This course provides students with an interactive approach to the fundamentals of playing the guitar. Each student's playing aptitude will be accommodated with different options within a unified set of goals. It will include reading tablature and standard notation, introducing chords and solo pieces using a variety of techniques, and provide an overview of basic guitar care and maintenance. This course may be repeated for up to six credits. HP

3670 01 TTh 01:00PM-02:15PM 1134 DZBENSKI M

MUSC 174 History of Rock and Roll 5

This course presents the history of rock music from its origins to the present day. Students will study all major genres, as well as the social, political, technological, and economic forces that shaped the music. The class will include detailed listening assignments and an introduction to rock music vocabulary and concepts. HU

3722 01 MTWTh 11:45AM-12:50PM 1134 DZBENSKI M

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-05:00PM 1721 ERWIN K

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

NUR 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 STAFF

3845 02 ARR ARR BRAVO A

3846 03 ARR ARR GONZALEZ-ALL

NUR 137 Nursing Skills Laboratory 1

Lab Fee: \$188.20

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 STAFF

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 2.0 GPA or above.

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 08:00AM-09:05AM 1910 MILLICAN N

3983 OL1 ARR ARR HALEY G

Section OL1: Students access course resources, participate in class discussions & submit assignments, quizzes, and tests 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)

4215 OL1 ARR ARR KNEPP D

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

PHIL 240 Philosophy of Religion 5

Philosophy of religion is an attempt to think critically and rationally about religious issues. This course will use classic and contemporary texts to explore several interesting issues such as the problem of evil: if God is all knowing, all powerful, and all good, then why do the innocent suffer? Many philosophers have tried to answer that question and more. HU

4240 01 MTWTh 11:45AM-12:50PM 1608 KNEPP D

Physical Education

PEH 090 Recreational Gym 0

Community Ed Fee: \$30.20

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 MTW 09:15AM-10:05AM 2031 STAFF

4312 02 MTW 10:30AM-11:20AM 2031 STAFF

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: \$4.00

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 MW ARR 2014 WILKS P

PEH 125 Conditioning 1

Lab Fee: \$4.00

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 28, 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 28, 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

4355 03 TTh ARR 2012 NAGY J

Meet your instructor in the gym on Tuesday, March 29 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. AC

PEH 131 Circuit Weight Training 1

Lab Fee: \$4.00

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 28, 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 28, 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: \$4.00

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 28, 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 MTWTh 03:30PM-06:30PM 1250 LOS T

**** F 12:00PM-08:00PM 1250 LOS T

**** SaSu 10:30AM-06:30PM 1250 LOS T

Start & end date: 03/28/16 to 04/03/16

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 MLHS pool, 803 E Sharon Avenue.

PEH 155 Body Toning 1

Lab Fee: \$4.00

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. AC

Physics

PHYS&116 General Physics III with Lab 5

Lab Fee: \$19.60

The third course in a three-quarter algebra-based sequence. A balance of conceptual understanding and problem-solving ability is emphasized; laboratory and lecture are integrated in the sequence. In this third quarter the topics studied will include electricity, magnetism, electromagnetic induction and waves, quantum physics, atomic physics, and nuclear physics. Biological applications of physics will be studied whenever possible. Prerequisites: Completion of PHYS& 115 with 2.0 or higher. LS

4456 01 MTWTh 10:30AM-11:20AM 1217 HAMM J

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

Strongly recommended for students considering Engineering Physics for Fall.

PHYS&223 Engineering Physics III w/Lab 5

Lab Fee: \$19.60

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 03:00PM-05:00PM 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 10:30AM-11:35AM 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 10:30AM-11:35AM 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 10:30AM-11:35AM 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 02H TTh 01:00PM-03:00PM 1606 HOLLIWAY D

Section 02H 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 for further instructions. Online fee is \$10.

4554 21 MW 06:00PM-08:20PM 1604 STAFF

Section 21H 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 for further instructions. Online fee is \$10.

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

4566 OL2 ARR ARR LEONARD R

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

PSYC&200 Lifespan Psychology 5

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

4578 01 TTh 10:30AM-12:30PM 1601 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.

4579 OL1 ARR ARR STAHELSKI A

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

Religious Studies

REL 201 World Religions 5

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

4606 21 TTh 06:00PM-08:00PM 1604 SCHAADT J

REL 211 Religion in America 5

Lab Fee: \$10.00

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

4615 OL1 ARR ARR KNEPP D

Online fee is \$10.

Sociology

SOC& 101 Intro to Sociology 5

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

4640 01 MTWTh 09:15AM-10:20AM 1609 GARDNER K

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.

SOC& 201 Social Problems 5

Lab Fee: \$10.00

A sociological analysis of the major social problems facing both the United States and the world today. Among the topics analyzed are: Family disorganization, social deviance, poverty, crime, over population and environmental degradation. Strongly recommend placement in MATH 095 or higher and placement in ENGL 099 or higher. SS

4655 01H MW 10:30AM-12:30PM 1601 HOLLIWAY D

Section 01H 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 for further instructions. Fee: \$10

Spanish

SPAN&121 Spanish I 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. HU

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

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

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

SPAN&122 Spanish II 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& 121. HU

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

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

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

Welding

WLD 111 Welding Process I 3- 6

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 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

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

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

5152 02W Sa 08:00AM-02:30PM 3403 GILBERT C

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

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 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

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

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

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 3- 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