

## SPRING 2012 CLASS SCHEDULE

### Accounting

#### **ACCT 105 Introduction to Accounting 5**

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

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

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

An introduction to the accounting for fixed assets and depreciation, intangible assets, current liabilities, corporations, partnerships, long-term liabilities, statement of cash flows, and financial statement analysis. This course is the second in a three-course series designed for all accounting and business majors. Prerequisite: ACCT& 201. SE

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

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

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

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

#### **ACCT 233 Introduction to Payroll Taxes 2**

This course offers an introduction to the proper calculation, payment, and reporting of payroll taxes incurred by businesses. The preparation of required tax returns and the various reporting periods to government agencies will also be discussed. This course is designed for the student with little or no prior experience in payroll taxes.

Prerequisite: To enhance the learning experience, it is recommended that the student complete ACCT& 201 or have prior experience in business or accounting.

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

#### **ACCT 260 Computer Accounting 3**

Lab Fee: \$8.25

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 261 Intro to Peachtree Accounting 1**

Lab Fee: \$8.25

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

1055 01 MW 11:45AM-12:40PM 1602 WILKS P

Start & end date: 04/16/12 to 06/15/12

**ACCT 262 Introduction to Quickbooks 1**

Lab Fee: \$8.25

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 MW 11:45AM-12:40PM 1602 WILKS P

Start & end date: 04/16/12 to 06/15/12

## **Agriculture**

**AGR 271 Agriculture Sales and Marketing 5**

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

1142 OL1 ARR ARR WILLIAMS A

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

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

1150 01 ARR ARR RASMUSSEN C

**AGR 297 Work-Based Learning Seminar 1**

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

1153 01 ARR ARR RASMUSSEN C

**Art**

**ART 090 Pottery 0**

Community Ed Fee: \$60.00

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

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

Start & end date: 04/09/12 to 05/02/12

1201 22 MW 06:30PM-08:30PM 1908 JOHANSEN B

Start & end date: 05/07/12 to 06/04/12

**ART 106 Drawing III 5**

An introduction to drawing from the figure using a live model. HP

1235 01 MW 01:00PM-03:50PM 1906 PALKOVIC R

**ART 121 Ceramics I 2- 5**

Lab Fee: \$4.75

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

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

**ART 122 Ceramics II 2- 5**

Lab Fee: \$4.75

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

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

**ART 123 Ceramics III 2- 5**

Lab Fee: \$4.75

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

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

**ART 217 Western Art: Renaissance to Mid 19th Century 5**

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

1263 01 MTWTh 10:30AM-11:35AM 1911 PALKOVIC R

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

The study of water color painting from still life and nature. HP

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

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

The study of water color painting from still life and nature. Prerequisite: ART 221. HP

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

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

The study of water color painting from still life and nature. Prerequisite: ART 222

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

**ART 230 Painting/Drawing Workshop 5**

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

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

**ART 231 Oil Painting I 5**

Lab Fee: \$25.40

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

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

**ART 232 Oil Painting II 5**

Lab Fee: \$25.40

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

1294 01 TTh 01:00PM-03:50PM 1907 PALKOVIC R

**ART 233 Oil Painting III 5**

Lab Fee: \$25.40

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

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

### **Astronomy**

**ASTR&101 Intro to Astronomy 5**

Lab Fee: \$16.50

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: MPC 095 or placement test. LS

1322 21 MW 06:00PM-09:00PM 1217 HAMM J

### **Automotive Technology**

**AUT 105 Automotive Personal Computer Applications 2**

Lab Fee: \$6.60

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

1340 01 MTW 08:00AM-08:50AM 1802 O'KONEK M

**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 WYNDER D

**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 WYNDER D

**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 WYNDER D

**AUT 190 Projects Laboratory 2**

Lab Fee: \$10.50

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

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

**AUT 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 O'KONEK M

Start & end date: 04/02/12 to 04/17/12

**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 O'KONEK M

**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 O'KONEK M

Start & end date: 04/18/12 to 06/12/12

**AUT 290 Projects Laboratory 2**

Lab Fee: \$10.50

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

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

**Aviation Commercial Pilot**

**AVF 111 Pre-Flight Ground School 1**

This course introduces the student to the aircraft, its flight manual, the basic federal aviation regulations, elementary principles of flight, aircraft operations, and BBCC flight rules. Prerequisite: Accepted flight student status.

1401 01 ARR ARR 3024 SWEDBURG J

**AVF 112 Private Pilot Ground School 4**

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

1406 01 ARR ARR 3024 STAFF

**AVF 114 Theory of Flight 4**

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 04:10PM-06:10PM 3015 GILLESPIE J

1417 22 TTh 04:10PM-06:10PM 3015 SWEDBURG JM

**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 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 J

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

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

1434 01 MTWTh ARR 3001 SWEDBURG J

**AVF 190 Flight (Alternate) 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

1439 01 MTWTh ARR 3001 SWEDBURG J

**AVF 223 Instrument Ground School 4**

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

1454 21 MW 04:10PM-06:10PM 3016 CRANE G

**AVF 225 Effective Communications in Flight Instruction 4**

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 04:10PM-06:10PM 3016 CRANE G

**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 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 J

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

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

1475 01 MTWTh ARR 3001 SWEDBURG J

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

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

1478 01 MTWTh ARR 3001 SWEDBURG J

**AVF 254 Night Flying 1**

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

1482 21 MTWTh ARR 3001 SWEDBURG J

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

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 J

**AVF 270 Flight Instructor 4**

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

1492 01 MTWTh ARR 3001 SWEDBURG J

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

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

1495 01 MTWTh ARR 3001 SWEDBURG J

**AVF 272 Seaplane Flight 2**

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

1498 01 MTWTh ARR 3001 SWEDBURG J

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

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

1505 01 MTWTh ARR 3001 SWEDBURG J

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

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

1508 01 MTWTh ARR 3002 SWEDBURG J

**AVF 290 Flight (Alternate) 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.

1514 01 MTWTh ARR 3001 SWEDBURG J

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

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

1518 01 MTWTh ARR 3100 SWEDBURG J

**Aviation Maintenance**

**AMT 151 Airframe Mechanic I 4-21**

Lab Fee: \$220.50

\*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: \$220.50

\*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: \$252.00

\*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: \$168.00

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

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

1585 01 MTWTh ARR 3200 MOORE D

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

Lab Fee: \$147.00

\*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. Prerequisite: instructor approval.

1590 01 MTWTh ARR 3200 MOORE D

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

Lab Fee: \$168.00

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

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

1595 01 MTWTh ARR 3200 MOORE D

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

Lab Fee: \$168.00

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

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. 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 approval.

1598 01 MTWTh ARR 3200 MOORE D

**Biology**

**BIOL&100 Survey of Biology 5**

Lab Fee: \$16.50

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

1600 01 TWTh 11:45AM-12:50PM 1218 RAZO E

Lab M 10:30AM-12:30PM 1211 RAZO C

1602 02 TWTh 01:00PM-02:05PM 1218 RAZO C

Lab M 01:00PM-03:00PM 1211 RAZO E

**BIOL&211 Majors Cellular 5**

Lab Fee: \$16.50

An introduction to basic cell chemistry, structure, communication, transport, energetics, metabolism, division, genetics, molecular genetics, and evolution. This course is intended for students pursuing careers in the allied health fields and satisfies the biology prerequisite for A&P 1 (BIOL& 241) and Microbiology (BIOL& 260). Math/Science distribution requirement may not include more than 5 credits from BIOL& 211 and BIOL& 222, although graduation credit can be awarded for both. Related investigations take place in a two-hour lab period each week. Prerequisite(s): A minimum grade of 2.0 in CHEM& 121 (or recent high school chemistry with a B or better, or instructor permission) required. High school biology highly recommended. Note: A minimum grade of 2.0 in this class is required for entry into BIOL& 241 and BIOL& 260.

1610 01 MTTh 09:15AM-10:20AM 1910 HALEY G

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

**BIOL&223 Majors Organismal Phys 5**

Lab Fee: \$16.50

The third quarter in a three-quarter 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(s): Successful completion of BIOL& 222 with a 2.0 or better or instructor's permission, and successful completion of either CHEM& 121 or CHEM& 161 with a 2.0 or better.

1625 01 MTWTh 09:15AM-10:05AM 1215 DUVALL K

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

1627 02H ARR ARR DUVALL K

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

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&242 Human A & P 2 5**

Lab Fee: \$16.50

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

1635 01 MW 01:00PM-02:15PM 1250 JACOBS B

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

1636 02H ARR ARR JACOBS B

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

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

1637 03 MW 01:00PM-02:15PM 1250 JACOBS B

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

1638 04H ARR ARR JACOBS B

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

Section 04H 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: \$16.50

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. 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 130 Botany 5**

Lab Fee: \$16.50

A study of the basic principles of plant life. Topics of study include: structures and functions of flowering plants and their cells, tissues, roots, stems, leaves, flowers, fruits, and seeds, cell metabolism emphasizing photosynthesis, transport of water and nutrients, growth and development of plants from seed to maturity, cell division, and plant genetics. Related investigations take place during two hours of lab each week. Laboratory topics include: a microscopic study of tissues, roots, stems, leaves and flower structures. Additionally, lab periods study the diversity of plants and their relatives and investigate vegetative propagation of common plant species. A greenhouse is available for class use. LS

1670 01 MTWTh 10:40AM-11:30AM 1250 DUVALL K  
 Lab T 01:00PM-03:00PM 1211 DUVALL K

### 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 MPC 090 or BBCC math placement score into MPC 095 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 121 Business English 1- 4**

Lab Fee: \$33.00

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

This Business English course is designed to prepare students for today's offices where clear and concise writing is based on a sound understanding of grammar and is considered to be an essential job skill. Prerequisite: Successful completion of ENGL 098 or placement into ENGL 099.

1728 01 MTWTh ARR 1613 BERRY-GUERIN

Instructor permission is required.

**BUS 122 Business Communications 5**

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

1736 01 MW 01:00PM-03:10PM 1612 BERRY-GUERIN

**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 REDFORD J

**BUS& 201 Business Law 5**

Introduction to Business Law. Fundamentals of those branches of law that relate closely to regular business transactions to include: torts, contracts, agency, employment, property, bankruptcy, decedent's estates and trusts. SE

1770 01 MTWTh 08:00AM-09:05AM 1609 MICHIE L

**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 0L1 ARR ARR GEER T

Section 0L1: All coursework is completed online. Check your Big Bend email before classes begin for further instructions. Online fee is \$10.



## Business Information

### **BIM 101 Basic Keyboarding 1- 2**

Lab Fee: \$16.50

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

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

1795 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1796 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

### **BIM 102 Document Formatting 1- 4**

Lab Fee: \$33.00

\*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: Keyboarding skills.

1802 01 MTWTh ARR 1613 BERRY-GUERIN

### **BIM 104 Intermediate Keyboarding 1- 3**

Lab Fee: \$24.75

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

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

1808 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1809 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

### **BIM 106 Advanced Keyboarding 1- 3**

Lab Fee: \$24.75

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

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

1814 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1815 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

**BIM 109 Internet Communications 1- 3**

Lab Fee: \$24.75

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

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

1822 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1823 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

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

Lab Fee: \$24.75

\*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.

1825 01 MTWTh ARR 1613 BERRY-GUERIN

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

Lab Fee: \$24.75

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

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

1830 01 MTWTh ARR 1613 BERRY-GUERIN

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

Lab Fee: \$16.50

This is a basic class in billing medical insurance in hospital settings. Coding, specific form requirements (UB 92), account aging, posting payments and adjustments to patient

accounts, and government medical coverage plans will be covered. Issues related to overall medical business offices will also be part of the class. Prerequisite: HED 150 & 151, basic computer class or instructor permission.

1840 21 T 06:00PM-08:00PM 1612 BOYCE L

**BIM 130 Filing 1- 2**

Lab Fee: \$16.50

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

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

1850 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1852 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

**BIM 173 Word Processing I 1- 5**

Lab Fee: \$41.25

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

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

1860 01 MTWTh ARR 1613 BERRY-GUERIN

1862 OL1 ARR ARR BERRY-GUERIN

Section OL1: All coursework is completed online. Check your Big Bend email before classes begin for further instructions. Online fee is \$10.

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

Lab Fee: \$49.50

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

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

1865 01 MTWTh ARR 1613 BERRY-GUERIN

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

Lab Fee: \$41.25

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

This course is an introduction to the basic functions of Microsoft Office. This course consists of five modules - Word, Excel, Access, PowerPoint, and Integration. This course is intended for Business Information Management and Accounting students. Prerequisite: BIM 102 or OFF 102

1870 01 MTWTh ARR 1613 BERRY-GUERIN

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

Lab Fee: \$24.75

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

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

1875 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1876 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

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

Lab Fee: \$24.75

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

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

1880 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1881 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

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

Lab Fee: \$24.75

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

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

1885 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1886 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

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

Lab Fee: \$24.75

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

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

1890 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1891 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

**BIM 190 Spreadsheets I 1- 5**

Lab Fee: \$41.25

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

This course is an in-depth introduction to Microsoft Excel 2010. The focus is to learn functions of Excel, to apply this knowledge to business situations, and to begin preparing students for Microsoft Application Specialist exam.

1900 01 MTWTh ARR 1613 BERRY-GUERIN

1902 OL1 ARR ARR BERRY-GUERIN

Section OL1: All coursework is completed online. Check your Big Bend email before classes begin for further instructions. Online fee is \$10.

**BIM 194 Presentations 1- 5**

Lab Fee: \$41.25

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

This is an in-depth Microsoft PowerPoint 2010 course. The focus of this course is to learn presentation functions, to apply this material to business situations, and to prepare students for the Microsoft Application Specialist exam.

1905 01 ARR ARR 1613 BERRY-GUERIN

1907 OL1 ARR ARR BERRY-GUERIN

Section OL1: All coursework is completed online. Check your Big Bend email before classes begin for further instructions. Online fee is \$10.

**BIM 195 Database Management 1- 5**

Lab Fee: \$41.25

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

This is an introduction to database concepts and to the integration of Access with other data.

1910 01 MTWTh ARR 1613 BERRY-GUERIN

**BIM 198 Special Topics 1- 5**

Lab Fee: \$73.50

\*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 approval.

**BIM 210 Internet 1- 2**

Lab Fee: \$16.50

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

This course will teach the functions of accessing Internet.

1920 01 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 04/02/12 to 05/03/12

1921 02 MTWTh ARR 1613 BERRY-GUERIN

Start & end date: 05/07/12 to 06/12/12

**BIM 220 Desktop Publishing 1- 5**

Lab Fee: \$41.25

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

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

1925 01 MTWTh ARR 1613 BERRY-GUERIN

**BIM 262 Professional Preparation 3**

Lab Fee: \$24.75

This course covers job preparation components in which emphasis is given to job search and interview techniques. Prerequisite: BIM 261

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

**BIM 273 Word Processing II 1- 5**

Lab Fee: \$41.25

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

This is an in-depth Microsoft Word 2010 course. Students will learn the advanced functions and how to apply this material to business situations. This course will also help prepare students for the MCAS exam. Prerequisite: BIM 173 or instructor approval.

1938 01 MTWTh ARR 1613 BERRY-GUERIN

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

Lab Fee: \$41.25

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

This course is a continuation of BIM180 and introduces the advanced features and integration capabilities of Microsoft Office. This course consists of five modules-- Word, Excel, Access, PowerPoint, and completion of an Integrated Project. Prerequisite: OFF 180 or BIM 180

1942 01 MTWTh ARR 1613 BERRY-GUERIN

**BIM 290 Spreadsheets II 1- 5**

Lab Fee: \$41.25

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

This is an in-depth Microsoft Excel 2010 course. Students will learn the advanced functions of Excel and will apply this material to business situations. The course will also help prepare students for the Microsoft Application Specialist exam. Prerequisite: BIM 190

1945 01 MTWTh ARR 1613 BERRY-GUERIN

**Chemistry**

**CHEM&121 Intro to Chemistry 5**

Lab Fee: \$16.50

This course is designed for the allied health students. In addition, this class serves students wanting an introductory chemistry course prior to the full year CHEM& 161, 162, 163 sequence. Topics include basic chemical vocabulary, atomic structure, stoichiometry, periodic behavior of elements and compounds, gases, liquids, solids, solutions, water and equilibria. The course includes 22 hours of laboratory. Laboratory exercises are designed to reinforce classroom learning as well as providing hands on experience with chemical reactions. Relevance of course material to current practices in chemistry is a fundamental focus. Prerequisite(s): Passing grade in MPC 095 or placement in MPC 099. A passing grade in high school chemistry or completion of CHEM& 105 or CHEM& 110 is recommended. LS

1966 01 MTWTh 09:15AM-10:05AM 1218 PETERSON J

Lab M 01:00PM-03:00PM 1216 PETERSON J  
1968 02 MTWTh 01:00PM-01:50PM 1910 CHRISTENSEN  
Lab Th 02:15PM-04:15PM 1216 CHRISTENSEN

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

Lab Fee: \$16.50

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 MTWTh 08:00AM-08:50AM 1215 PETERSON J  
Lab T 02:15PM-05:15PM 1216 PETERSON J

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

Lab Fee: \$16.50

The final installment 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: CHEM&162 or instructor permission

1995 01 MTWTh 11:45AM-12:35PM 1213 PETERSON J  
Lab W 02:15PM-05:15PM 1216 PETERSON J

College Success Skills

**CSS 100 College Survival Skills 3**

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

2016 01 MTW 08:00AM-08:50AM 1610 CLAY A  
2017 02 MTW 09:15AM-10:05AM 1855A CLAY A  
2018 03 MTW 10:30AM-11:20AM 1855B STAFF



2020 OL1 ARR ARR ESPARZA S

Online fee is \$10.

**CSS 102 Focus on Success 3**

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

2056 01 MTW 01:00PM-01:50PM 1856 HAMMOND D

2058 OL1 ARR ARR HAMMOND D

Online fee is \$10.

**CSS 104 Introduction to Computer Literacy 3**

Lab Fee: \$10.00

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

2062 21H W 06:00PM-07:00PM 1801 DELEON J

Orientation April 4 from 6:00-8:00 p.m. This class combines online and on ground instruction. For every hour of in class instruction students are expected to complete two additional hours of instruction online. Online fee is \$10.

### **Commercial Driver's License**

**CDL 090 CDL Skill Improvement 1**

Lab Fee: \$171.67

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

2065 01 ARR 07:30AM-04:30PM 1534 MILLER R

2066 02 ARR 07:30AM-04:30PM 1534 GARZA G

**CDL 100 Commercial Driver's License (CDL) 17**

Lab Fee: \$2918.44

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

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

Start & end date: 04/02/12 to 05/11/12

For application contact Randy Miller at 793.2295 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 21H T 06:00PM-08:00PM 1611 LEITZ L

Class meets on campus 4/3, 4/24, 5/15, 6/12 from 6:00-8:00 p.m. in room 1611. Online fee is \$10.

**CMST&220 Public Speaking 5**

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

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

2092 02 MTWTh 09:15AM-10:20AM 2031 JACKSON K

2096 03 MTWTh 09:15AM-10:20AM 2032 POTH M

2097 04 MTWTh 10:30AM-11:35AM 2032 POTH M

2098 05 MTWTh 11:45AM-12:50PM 2031 POTH MITCH

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

### Criminal Justice

**CJ 210 Introduction to American Policing 5**

This course is designed to provide a general examination of the role of police in American society. Contemporary concepts, upon which the police function is based, are discussed from both historical and traditional perspectives. This course identifies certain issues within the police organization that either supports or inhibits the ability to accomplish the societal mission. Prerequisite: CJ& 101. SE

2162 01 MTWTh 01:00PM-02:05PM 1609 LEONARD R

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.

### Early Childhood Education

**ECE 214 Math and Science for Young Children 3**

This course examines the introduction and exploration of math and science concepts for early learning. The content includes math and science concepts, teaching strategies, procedures and materials.

2298 21 T 05:00PM-07:50PM 1855B FREDERICK K

**ECE 250 Language and Literacy Development 3**

Lab Fee: \$10.00

This course introduces child care and education professionals to early literacy development that supports and enhances the literacy skills of children, birth to age eight. Topics include language acquisition, children's literature, environment and curriculum, assessment, and program planning. Literacy skills and teaching strategies will be examined and defined at each developmental stage through the four interrelated areas of speaking, listening, writing, and reading.

2310 21H F 05:30PM-07:30PM 1609 NIGHSWONGER

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.

### 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 MPC 095 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 MPC 095 or higher and placement in ENGL 099 or higher. SS

2321 01 MTWTh 11:45AM-12:50AM 1607 PYLE T

**ECON&202 Macro Economics 5**

Introduction to the principles of Macro Economics including unemployment, inflation, aggregate demand/supply, Classical and Keynesian Theories, fiscal and monetary policy, money and banking, and current economic problems. Strongly recommend placement in MPC 095 or higher and placement in ENGL 099 or higher.

2326 01 MTWTh 01:00PM-02:05PM 1608 PYLE T

### Education

**EDUC 110 Introduction to Special Education 4**

This course is an overview of the history, law, psychology and practices in the field of special education. SE

2375 21 MW 06:30PM-08:20PM 1855B MCDONNELL J

**EDUC&115 Child Development 5**

Lab Fee: \$10.00

Comprehensive introduction to human development from conception through adolescence. Includes research, knowledge, theories and methods which guide our understanding of physical, cognitive and psychosocial development. SE

2379 21H Th 05:30PM-08:30PM 1611 STAFF

Mandatory orientation on 4/5 in room 1611 at 5:30 p.m. 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.

2381 22B Th 05:30PM-08:30PM 1601 STAFF

Mandatory orientation on 4/5 in room 1601 at 5:30 p.m. This class will be taught using the I-BEST model of instruction. Pre and post-testing to assess skills gained will be required. Online fee is \$10. Permission required, contact Jenny Nighswonger at 793.2216.

**EDUC 190 Classroom Experience 1- 3**

Lab Fee: \$22.50

Students will assist a classroom teacher from 3-9 hours per week. Teacher and time assignments will be arranged individually. A written evaluation of the experience, an observation/conference by the program supervisor/coordinator, and a documented timesheet will be required. Prerequisite: ECE 100, EDUC& 201 or instructor approval. Tech Prep credit available.

2415 01 T 04:00PM-05:00PM 1303 BUNCH J

### English

**ENGL 010 English Lab 0**

Community Ed Fee: \$42.30

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

2500 01 DAILY ARR 1835 SHUTTLE' TH K

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

**ENGL 065 Spelling Improvement 2**

Lab Fee: \$6.60

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

2502 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K

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

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

**ENGL 087 Reading Improvement 3**

Lab Fee: \$9.90

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

2507 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K

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

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

**ENGL 093 Basic Writing 3**

Lab Fee: \$9.90

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

2512 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K

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

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

**ENGL 095 Writing Improvement 3**

Lab Fee: \$9.90

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

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

**ENGL 098 Basic English Skills 5**

Lab Fee: \$16.50

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

2525 01 MTWTh 10:30AM-11:35AM 1856 ERICKSON G

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

Lab Fee: \$16.50

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

2530 01 MTWTh 08:00AM-09:05AM 1855B HAMMOND D

2532 02 MTWTh 09:15AM-10:20AM 1856 ERICKSON G

2534 03 MTWTh 11:45AM-12:50PM 1855B HAMMOND D

2536 21 MW 06:00PM-08:30PM 1856 ANDERSON J

2538 OL1 ARR ARR VAN BLARICOM

Online fee is \$10.

**ENGL&101 English Composition I 5**

Lab Fee: \$16.50

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.

2545 01 MTWTh 08:00AM-09:05AM 1606 GUTIERREZ O

2547 02 MTWTh 09:15AM-10:20AM 1605 GUTIERREZ O

2549 03 MTWTh 09:15AM-10:20AM 1909 SULLIVAN M

2551 04 MTWTh 10:30AM-11:35AM 1609 MARTINSON M

2553	05	MTWTh	11:45AM-12:50PM	1608	MARTINSON M
2555	06	MTWTh	02:15PM-03:20PM	1608	MARTINSON M
2557	21	MW	06:00PM-08:30PM	1609	STAFF
2559	OL1	ARR	ARR		RAMM J

Online fee is \$10.

2560	OL2	ARR	ARR		RASMUSSEN P
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Online fee is \$10.

**ENGL&102      Composition II      5**

Lab Fee: \$16.50

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

2561	01	MTWTh	08:00AM-09:05AM	1607	CARPENTER J
2562	02	MTWTh	09:15AM-10:20AM	1855B	CLOSE S
2564	03	MTWTh	09:15AM-10:20AM	1607	CARPENTER J
2565	04	MTWTh	10:30AM-11:35AM	1855A	ROBERTSON D
2566	05	MTWTh	11:45AM-12:50PM	1855A	ROBERTSON D
2567	06	MTWTh	01:00PM-02:05PM	1606	GUTIERREZ O
2568	OL1	ARR	ARR		RAMM J

Online fee is \$10.

**ENGL 109      Applied Technical Writing      3**

Lab Fee: \$9.90

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

2575	01	MW	08:00AM-08:50AM	1855A	RHODES F
Lab		TTh	08:00AM-08:50AM	1508	RHODES F

**ENGL 201      Academic Composition      5**

Lab Fee: \$16.50

This advanced writing course focuses on critical thought and composition within academic/professional communities. Published works regarding current affairs, pressing social matters and/or political issues will be critically read and then written about in a way that meets the expectations of an academic/professional community. Students will write a variety of papers, the last of which will be a researched argument. Must also take a literature class as one of the humanities breadth courses (this option recommended for students planning to transfer to Eastern Washington University and Heritage University). Prerequisite: ENGL& 101. SE(If not used as part of the English composition requirement)

2580 01 MTWTh 01:00PM-02:05PM 1611 CLOSE S

**ENGL 211 Creative Writing: Fiction 5**

A course that allows students to express themselves in story form and to learn the basic techniques of writing fiction. Prerequisite: ENGL& 101 or instructor permission. HU

2590 01 MTWTh 11:45AM-12:50PM 1909 SULLIVAN M

**ENGL 216 Film Study 3**

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

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

**ENGL&220 Intro to Shakespeare 5**

An introduction to Shakespearean comedy, history and tragedy. Prerequisite: ENGL& 101. HU

2605 01 MTWTh 11:45AM-12:50PM 1606 CARPENTER J

**ENGL 274 Introduction to Greek Mythology 5**

An overview of the development of Greek mythology. The course deals with the roles of the various gods in Greek mythology, the relationships between gods and men, the significance of the heroes, and the importance of mythology in the development of ideas and values. HU

2610 21 TTh 04:30PM-06:50PM 1609 KNEPP D

**ENGL&246 American Literature III 5**

A survey of contemporary American literature and themes from 1960 to the present, including poetry, short stories, and novels. HU

2628 01 MTWTh 10:30AM-11:35AM 1909 SULLIVAN M

Students DO NOT need to have taken American Literature I or II to take this class.

#### **Environmental Science**

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



An introduction to the fundamental principles of environmental science. Topics include environmental policy, environmental systems, population and community ecology, biomes, human population growth, soil, food and agriculture, biodiversity and conservation, land use and resource management, air and water quality issues, global climate, renewable and nonrenewable energy sources, waste management, and sustainability. NS

2670 01 MTWTh 08:00AM-09:05AM 1250 DUVALL K

2671 OL1 ARR ARR STAFF

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

### First Aid

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

Lab Fee: \$8.25

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

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

Books are required. Class meets 4/6, 4/20, 4/27.

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

Books are required. Class meets 4/21, 4/28, 5/5.

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

Books are required. Class meets 5/4, 5/11, 5/18.

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

Books are required. Class meets 5/25, 6/1, 6/8.

### German

**GERM&121 German I 5**

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

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

**GERM&122 German II 5**

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

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

**GERM&123 German III 5**

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

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

**Geology**

**GEOL&101 Intro Physical Geology 5**

Lab Fee: \$16.50

Introduction to geology for majors and non-majors; physical applications of geology. Topics include minerals, rock types plate tectonics and deformation, rock and mineral formation, dynamic processes within the earth and the resulting structures and rock types, geologic time, earthquakes and volcanoes, erosion by wind, water and glaciers, and subsequent re-building. Labs will deal with identification of common rocks and minerals, the reading and interpretation of topographic, contour and stratigraphic maps and an overview of the local land form. Prerequisite: MPC 095 or instructor permission. LS

2772 21 M 05:30PM-08:30PM 1252 MELIN J

Lab TW 05:30PM-07:30PM 1252 MELIN J

**Health Education**

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

Lab Fee: \$10.00

This is the second of a three-part course sequence. This includes the analysis and discussion of the anatomy and physiology of the immune system, the lymphatic system, respiratory system, reproductive system, and musculoskeletal system. Sensory, digestive, vascular and skeletal systems will also be covered. Common diagnostic tests/treatments, pharmacological agents, and possible prognoses for common disease processes are included. Prerequisite: HED 121

2810 OL1 ARR ARR SPENCER S

Section OL1: Log onto Angel for all class information. Online fee is \$10.

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

Lab Fee: \$10.00

This is the third course in a three-part course sequence. This course focuses on human disease of the body and the treatments, prognoses, and prevention associated with each disease. Prerequisite: HED 122

2822 OL1 ARR ARR BUNKELMAN J

Section OL1: Log onto Angel for all class information. Online fee is \$10.

**HED 150 Medical Terminology I 3**

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

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

2832 OL1 ARR ARR BROOKS J

Online fee is \$10.

**HED 151 Medical Terminology II 3**

Lab Fee: \$10.00

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

2840 OL1 ARR ARR STAFF

Online fee is \$10.

**HED 239 Medical Ethics 2**

This course introduces ethical and legal issues facing medical professionals.

2850 21 Th 06:00PM-08:00PM 1855B SEIBOLD K

2852 OL1 ARR ARR SEIBOLD K

Online fee is \$10.

**History**

**HIST&118 Western Civilization III 5**

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

**HIST&136 US History 1 5**

From the Reformation in Europe to the end of the Civil War, this course includes colonization, the introduction of slavery, the Revolutionary and Early National Period, the development of political parties, nationalism and sectionalism, and the Civil War. Students are encouraged to complete ENGL& 101 prior to taking this class. Strongly recommend placement in MPC 095 or higher and placement in ENGL 099 or higher. SS

2930 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.

2931 OL1 ARR ARR RILEY C

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

**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 1960's, disillusioned 1970's, and the Reagan Revolution. More recent events are examined as ongoing and current events. Students are encouraged to complete ENGL& 101 prior to taking this class. Strongly recommend placement in MPC 095 or higher and placement in ENGL 099 or higher. SS

2935 01 MTWTh 08:00AM-09:05AM 1608 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 09:15AM-10:20AM 1609 WAITES W

### **Humanities**

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

This cultural diversity studies course examines and investigates ethnography, time, 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 our multicultural society with a mind toward facilitating improvement of intercultural awareness and communication. Prerequisite: ENGL& 101 or instructor permission. HU

3000 01 MTWTh 11:45AM-12:50PM 1856 CLOSE S

3001 21H T 06:00PM-08:30PM 1909 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: \$34.00

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 MATERN S

**IST 107 Industrial Electricity I 5**

Lab Fee: \$34.00

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 COX JAMES D

**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 AUTRY B

**IST 113 Industrial Electrical Installation Techniques 5**

Lab Fee: \$34.00

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 140 Mechanized Irrigation Application I 10**

Lab Fee: \$68.00

This class will introduce the history and development of mechanized irrigation. It will distinguish the basic irrigation systems: pivot, swing arm corner, and lateral move systems. It will focus on technical service and operation as the industry changes. This class will include the application of industrial electrical components and controls in the lab environment. Prerequisite(s): IST 105 and IST 106

3111 01 MTWTh 08:00AM-12:00PM 3602 BESHERSE L

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

Lab Fee: \$34.00

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.

3113 01 MW 09:00AM-12:00PM 3604 ATRY B

**IST 180 Machining I 5**

Lab Fee: \$34.00

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.

3125 01 F 08:00AM-02:30PM 3500 BARRY J

3127 21 TTh 06:00PM-09:00PM 3500 ATRY B

**IST 182 Machining II 5**

Lab Fee: \$34.00

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.

3131 01 F 08:00AM-02:30PM 3500 BARRY J

3133 21 TTh 06:00PM-09:00PM 3500 ATRY B

**IST 184 Machining Skill Enhancement 4**

Lab Fee: \$27.20

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.

3137 01 F 08:00AM-02:30PM 3500 BARRY J

3138 21 TTh 06:00PM-09:00PM 3500 ATRY B

**IST 208 Industrial Electricity III 5**

Lab Fee: \$34.00

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 WRIGHT J

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

Lab Fee: \$34.00

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 WRIGHT J

**IST 250 Programmable Logic Controllers II 5**

Lab Fee: \$34.00

Programmable logic controller principles, hardware and operation, with emphasis on ladder logic, instruction, maintenance and troubleshooting. Prerequisite: IST 150 or instructor permission.

3190 01 MW 12:30PM-03:30PM 3604 ATRY B

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

Lab Fee: \$34.00

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 WRIGHT J

**IST 282 Fluid Power Transmission 5**

Lab Fee: \$34.00

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: \$34.00

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: \$42.30

Permits the use of the Math Lab Computer Resources by non-BBCC students during Math Lab hours.

3300 01 DAILY ARR 1201 BROWN D

**MATH&107 Math in Society 5**

Lab Fee: \$10.00

This course will introduce the non-math/science major to mathematical applications in a variety of disciplines. Prerequisite: Appropriate scores in the BBCC Mathematics Assessment or successful completion of all MPC 099 modules or all MPC 093 modules. MS/SQR

3302 21H W 05:30PM-08:00PM 1219 HARBERTS B

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.

**MATH 120 College Algebra 5**

Lab Fee: \$16.50

This course will present the student with the basic concepts and applications of college level algebra, introduction to functions, graphing, introduction to probability, and right triangle trigonometry. This course is designed to be a college level, terminal, math course for the liberal arts major and also to prepare the science, engineering or business student for more advanced work. Prerequisite: Appropriate scores in the BBCC Mathematics Assessment or successful completion of MPC 099 or 093. MS/SQR

3305 01 MTWTh 09:15AM-10:20AM 1252 WHITNEY B

3306 02 MTWTh 11:45AM-12:50PM 1219 ABED S

3309 21 MW 06:00PM-08:30PM 1215 BAUER J

**MATH&141 Precalculus I 5**

Lab Fee: \$16.50

This course will present the following concepts: non-linear inequalities, matrices and determinants, polynomial and rational functions, conic sections, theory of equations, sequences and series, mathematical induction. Prerequisite: Appropriate scores in the BBCC Mathematics Assessment or successful completion of MATH 120. MS/SQR

3316 01 MTWTh 10:30AM-11:35AM 1219 FARAG S

**MATH&142 Precalculus II 5**

Lab Fee: \$16.50

A comprehensive study of trigonometry, circular functions, right triangle trigonometry, analytical trigonometry, vectors and applications. Prerequisite: MATH& 141 or BBCC placement exam. MS/SQR

3320 01 MTWTh 08:00AM-09:05AM 1252 WHITNEY B

**MATH&146 Introduction to Statistics 5**



Lab Fee: \$16.50

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 Math Assessment or successful completion of MPC 099 or MPC 091, 092, and 093. MS/SQR

3331 01 MTWTh 09:15AM-10:20AM 1219 FARAG S

**MATH&148 Business Calculus 5**

Lab Fee: \$16.50

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: MATH 120 or MATH 147, placement on BCC math placement exam or instructor permission. MS/SQR

3345 01 MTWTh 08:00AM-09:05AM 1214 LANE S

**MATH&163 Calculus 3 5**

Lab Fee: \$16.50

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 MaLauren 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 1215 ABED S

### Math (Applied)

**MAP 106 Applied Mathematics (CFE) 4**

Students will study the concepts behind mathematics for Classroom Paraprofessional and Early Childhood Education (pre-Kindergarten through fifth grade). This class provides review and instruction in the mathematical concepts for whole numbers, decimals, fractions, measurement, ratio, proportion, percents, introduction to algebra, and introduction to geometry. Prerequisite(s): Successful completion of MPC 090 or BCC math placement score into MPC 095 or above.

3411 21 MW 04:30PM-06:20PM 1855B FISH S

3413 22B MW 04:30PM-06:20PM 1855B FISH S

This class will be taught using the I-BEST model of instruction. Pre and post-testing to assess skills gained will be required.

### Math (Pre-College)

**MPC 080 Basic Mathematics 5**

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

3425 01 MTWTh 08:00AM-09:05AM 1856 ERICKSON G

3428 02 MTWTh 11:45AM-12:50PM 1250 ERICKSON L

3429 03 MTWTh 01:00PM-02:05PM 1212 ERICKSON L

**MPC 090 Prealgebra 5**

Lab Fee: \$16.50

The study of basic arithmetic and algebraic topics prerequisite to a beginning algebra course including operations with integers, fractions, decimals and percents; order of operations, measurement, the metric system, algebraic expressions, formulas and simple linear equations. Prerequisite: appropriate placement on the BBCC math placement exam.

3435 01 MTWTh 08:00AM-09:05AM 1218 MAYER A

3436 02 MTWTh 09:15AM-10:20AM 1212 ABED S

3438 CL3 MTWTh 10:30AM-11:35AM 1801 HELVY M

Section CL3 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 that you have internet access outside of class.

3442 CL4 MTWTh 01:00PM-02:05PM 1801 ABED S

Section CL4 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 that you have internet access outside of class.

**MPC 093 Algebra III (Intermediate) 5**

Lab Fee: \$16.50

A continuation of Elementary Algebra I and II. Completes the 1st year sequence for elementary and intermediate algebra. This course covers systems of three linear equations, functions, radicals, rational exponents, radical equations, complex numbers, quadratic equations and their applications, exponential and logarithmic functions. Prerequisite(s): Demonstrated competency in MPC 092 and permission of instructor (mandatory).

3466 CL1 MTWTh 11:45AM-12:50PM 1801 WALLACE T

Section CL1 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 that you have internet access outside of class.

**MPC 095A Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes the solutions to algebraic equations and Applications of linear equations to word problems. Prerequisite(s): BBCC placement exam or score of 70% or better on each module of the MPC 090 competency exam.

3475 CL1 MTWTh 08:00AM-09:05AM 1801 ADAMS S

Start & end date: 04/02/12 to 04/12/12

Section CL1 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 that you have internet access outside of class.

**MPC 095B Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes graphing linear equations, solving applications with linear equations and solving direct and indirect variation problems. Prerequisite(s): BBCC placement exam or competency on MPC 095 module A or continuous enrollment from module A.

3476 CL1 MTWTh 08:00AM-09:05AM 1801 ADAMS S

Start & end date: 04/16/12 to 04/26/12

Section CL1 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 that you have internet access outside of class.

**MPC 095C Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes working with exponents, multinomial expressions and scientific notation. Prerequisite: BBCC placement exam.

3477 CL1 MTWTh 08:00AM-09:05AM 1801 ADAMS S

Start & end date: 04/30/12 to 05/10/12

Section CL1 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 that you have internet access outside of class.

**MPC 095D Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic expressions, solving equations by factoring, and evaluating roots. Prerequisite(s): BBCC placement exam or competency on MPC 095 module C or continuous enrollment from module C.

3478 CL1 MTWTh 08:00AM-09:05AM 1801 ADAMS S

Start & end date: 05/14/12 to 05/24/12

Section CL1 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 that you have internet access outside of class.

**MPC 095E Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes simplifying rational expressions, setting up and solving proportions, and translating and simplifying dimensional analysis.

Prerequisite(s): BBCC placement exam or competency on MPC 095 module D or continuous enrollment from module D.

3479 CL1 MTWTh 08:00AM-09:05AM 1801 ADAMS S

Start & end date: 05/29/12 to 06/11/12

Section CL1 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 that you have internet access outside of class.

**MPC 095A Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes the solutions to algebraic equations and applications of linear equations to word problems. Prerequisite(s): BBCC placement exam or score of 70% or better on each module of the MPC 090 competency exam.

3480 CL2 MTWTh 09:15AM-10:20AM 1801 MAYER A

Start & end date: 04/02/12 to 04/12/12

Section CL2 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 that you have internet access outside of class.

**MPC 095B Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes graphing linear equations, solving applications with linear equations and solving direct and indirect variation problems. Prerequisite(s): BBCC placement exam or competency on MPC 095 module A or continuous enrollment from module A.

3481 CL2 MTWTh 09:15AM-10:20AM 1801 MAYER A

Start & end date: 04/16/12 to 04/26/12

Section CL2 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 that you have internet access outside of class.

**MPC 095C Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes working with exponents, multinomial expressions and scientific notation. Prerequisite: BBCC placement exam.

3482 CL2 MTWTh 09:15AM-10:20AM 1801 MAYER A

Start & end date: 04/30/12 to 05/10/12

Section CL2 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 that you have internet access outside of class.

**MPC 095D Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic expressions, solving equations by factoring, and evaluating roots. Prerequisite(s): BBCC placement exam or competency on MPC 095 module C or continuous enrollment from module C.

3483 CL2 MTWTh 09:15AM-10:20AM 1801 MAYER A

Start & end date: 05/14/12 to 05/24/12

Section CL2 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 that you have internet access outside of class.

**MPC 095E Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes simplifying rational expressions, setting up and solving proportions, and translating and simplifying dimensional analysis. Prerequisite(s): BBCC placement exam or competency on MPC 095 module D or continuous enrollment from module D.

3484 CL2 MTWTh 09:15AM-10:20AM 1801 MAYER A

Start & end date: 05/29/12 to 06/11/12

Section CL2 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 that you have internet access outside of class.

**MPC 095A Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes the solutions to algebraic equations and applications of linear equations to word problems. Prerequisite(s): BBCC placement exam or score of 70% or better on each module of the MPC 090 competency exam.

3485 03 MTWTh 10:30AM-11:35AM 1212 ADAMS S

Start & end date: 04/02/12 to 04/12/12

**MPC 095B Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes graphing linear equations, solving applications with linear equations and solving direct and indirect variation problems. Prerequisite(s): BBCC placement exam or competency on MPC 095 module A or continuous enrollment from module A.

3486 03 MTWTh 10:30AM-11:35AM 1212 ADAMS S

Start & end date: 04/16/12 to 04/26/12

**MPC 095C Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes working with exponents, multinomial expressions and scientific notation. Prerequisite: BBCC placement exam.

3487 03 MTWTh 10:30AM-11:35AM 1212 ADAMS S

Start & end date: 04/30/12 to 05/10/12

**MPC 095D Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic expressions, solving equations by factoring, and evaluating roots. Prerequisite(s): BBCC placement exam or competency on MPC 095 module C or continuous enrollment from module C.

3488 03 MTWTh 10:30AM-11:35AM 1212 ADAMS S

Start & end date: 05/14/12 to 05/24/12

**MPC 095E Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes simplifying rational expressions, setting up and solving proportions, and translating and simplifying dimensional analysis.

Prerequisite(s): BBCC placement exam or competency on MPC 095 module D or continuous enrollment from module D.

3489 03 MTWTh 10:30AM-11:35AM 1212 ADAMS S

Start & end date: 05/29/12 to 06/11/12

**MPC 095A Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes the solutions to algebraic equations and applications of linear equations to word problems. Prerequisite(s): BBCC placement exam or score of 70% or better on each module of the MPC 090 competency exam.

3490 04 MTWTh 11:45AM-12:50PM 1252 WHITNEY B

Start & end date: 04/02/12 to 04/12/12

**MPC 095B Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes graphing linear equations, solving applications with linear equations and solving direct and indirect variation problems. Prerequisite(s): BBCC placement exam or competency on MPC 095 module A or continuous enrollment from module A.

3491 04 MTWTh 11:45AM-12:50PM 1252 WHITNEY B

Start & end date: 04/16/12 to 04/26/12

**MPC 095C Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes working with exponents, multinomial expressions and scientific notation. Prerequisite: BBCC placement exam.

3492 04 MTWTh 11:45AM-12:50PM 1252 WHITNEY B

Start & end date: 04/30/12 to 05/10/12

**MPC 095D Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic expressions, solving equations by

factoring, and evaluating roots. Prerequisite(s): BBCC placement exam or competency on MPC 095 module C or continuous enrollment from module C.

3493 04 MTWTh 11:45AM-12:50PM 1252 WHITNEY B

Start & end date: 05/14/12 to 05/24/12

**MPC 095E Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes simplifying rational expressions, setting up and solving proportions, and translating and simplifying dimensional analysis.

Prerequisite(s): BBCC placement exam or competency on MPC 095 module D or continuous enrollment from module D.

3494 04 MTWTh 11:45AM-12:50PM 1252 WHITNEY B

Start & end date: 05/29/12 to 06/11/12

**MPC 095A Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes the solutions to algebraic equations and applications of linear equations to word problems. Prerequisite(s): BBCC placement exam or score of 70% or better on each module of the MPC 090 competency exam.

3495 05 MTWTh 01:00PM-02:05PM 1252 WHITNEY B

Start & end date: 04/02/12 to 04/12/12

**MPC 095B Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes graphing linear equations, solving applications with linear equations and solving direct and indirect variation problems. Prerequisite(s): BBCC placement exam or competency on MPC 095 module A or continuous enrollment from module A.

3496 05 MTWTh 01:00PM-02:05PM 1252 WHITNEY B

Start & end date: 04/16/12 to 04/26/12

**MPC 095C Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes working with exponents, multinomial expressions and scientific notation. Prerequisite: BBCC placement exam.

3497 05 MTWTh 01:00PM-02:05PM 1252 WHITNEY B



Start & end date: 04/30/12 to 05/10/12

**MPC 095D Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic expressions, solving equations by factoring, and evaluating roots. Prerequisite(s): BBCC placement exam or competency on MPC 095 module C or continuous enrollment from module C.

3498 05 MTWTh 01:00PM-02:05PM 1252 WHITNEY B

Start & end date: 05/14/12 to 05/24/12

**MPC 095E Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes simplifying rational expressions, setting up and solving proportions, and translating and simplifying dimensional analysis. Prerequisite(s): BBCC placement exam or competency on MPC 095 module D or continuous enrollment from module D.

3499 05 MTWTh 01:00PM-02:05PM 1252 WHITNEY B

Start & end date: 05/29/12 to 06/11/12

**MPC 095A Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes the solutions to algebraic equations and applications of linear equations to word problems. Prerequisite(s): BBCC placement exam or score of 70% or better on each module of the MPC 090 competency exam.

3505 21 TTh 06:00PM-08:30PM 1250 BAUER J

Start & end date: 04/02/12 to 04/12/12

**MPC 095B Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes graphing linear equations, solving applications with linear equations and solving direct and indirect variation problems. Prerequisite(s): BBCC placement exam or competency on MPC 095 module A or continuous enrollment from module A.

3506 21 TTh 06:00PM-08:30PM 1250 BAUER J

Start & end date: 04/16/12 to 04/26/12

**MPC 095C Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes working with exponents, multinomial expressions and scientific notation. Prerequisite: BBCC placement exam.

3507 21 TTh 06:00PM-08:30PM 1250 BAUER J

Start & end date: 04/30/12 to 05/10/12

**MPC 095D Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic expressions, solving equations by factoring, and evaluating roots. Prerequisite(s): BBCC placement exam or competency on MPC 095 module C or continuous enrollment from module C.

3508 21 TTh 06:00PM-08:30PM 1250 BAUER J

Start & end date: 05/14/12 to 05/24/12

**MPC 095E Elementary Algebra 1**

Lab Fee: \$3.30

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes simplifying rational expressions, setting up and solving proportions, and translating and simplifying dimensional analysis. Prerequisite(s): BBCC placement exam or competency on MPC 095 module D or continuous enrollment from module D.

3509 21 TTh 06:00PM-08:30PM 1250 BAUER J

Start & end date: 05/29/12 to 06/11/12

**MPC 095A Elementary Algebra 1**

Lab Fee: \$2.00

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes the solutions to algebraic equations and applications of linear equations to word problems. Prerequisite(s): BBCC placement exam or score of 70% or better on each module of the MPC 090 competency exam.

3510 OL1 ARR ARR KNEPP D

Start & end date: 04/02/12 to 04/12/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

**MPC 095B Elementary Algebra 1**

Lab Fee: \$2.00

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes graphing linear equations, solving applications with linear equations and solving direct and indirect variation problems. Prerequisite(s): BBCC placement exam or competency on MPC 095 module A or continuous enrollment from module A.

3511 OL1 ARR ARR KNEPP D

Start & end date: 04/16/12 to 04/26/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

**MPC 095C Elementary Algebra 1**

Lab Fee: \$2.00

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes working with exponents, multinomial expressions and scientific notation. Prerequisite: BBCC placement exam.

3512 OL1 ARR ARR KNEPP D

Start & end date: 04/30/12 to 05/10/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

**MPC 095D Elementary Algebra 1**

Lab Fee: \$2.00

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic expressions, solving equations by factoring, and evaluating roots. Prerequisite(s): BBCC placement exam or competency on MPC 095 module C or continuous enrollment from module C.

3513 OL1 ARR ARR KNEPP D

Start & end date: 05/14/12 to 05/24/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

**MPC 095E Elementary Algebra 1**

Lab Fee: \$2.00

This course is the study of basic algebraic operations and concepts, and the structure and use of algebra. This includes simplifying rational expressions, setting up and solving proportions, and translating and simplifying dimensional analysis. Prerequisite(s): BBCC placement exam or competency on MPC 095 module D or continuous enrollment from module D.

3514 OL1 ARR ARR KNEPP D

Start & end date: 05/29/12 to 06/11/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

**MPC 099A Intermediate Algebra 1**

Lab Fee: \$3.30

A continuation of MPC 095. This course includes solving multipart inequalities, absolute value inequalities and systems of equations in 2 and 3 unknowns and applications with systems of equations. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3525 01 MTWTh 08:00AM-09:05AM 1219 HELVY M

Start & end date: 04/02/12 to 04/12/12

**MPC 099B Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying radical and exponential expressions, rationalizing denominators, combining radicals of mixed index and complex numbers. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3526 01 MTWTh 08:00AM-09:05AM 1219 HELVY M

Start & end date: 04/16/12 to 04/26/12

**MPC 099C Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying compound fractions, solving quadratic equations using factoring, completing the square, and the quadratic formula, and solving rational and radical equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module B or continuous enrollment.

3527 01 MTWTh 08:00AM-09:05AM 1219 HELVY M

Start & end date: 04/30/12 to 05/10/12

**MPC 099D Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes applications of quadratic equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module C or continuous enrollment.

3528 01 MTWTh 08:00AM-09:05AM 1219 HELVY M

Start & end date: 05/14/12 to 05/24/12

**MPC 099E Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes functions, graphing non-linear equation, solving right triangles, simplifying and solving exponential and logarithmic equations, and periodic and continuous interest computations. Prerequisite: BBCC placement exam or successful completion of all MPC 095 modules.

3529 01 MTWTh 08:00AM-09:05AM 1219 HELVY M

Start & end date: 05/29/12 to 06/11/12

**MPC 099A Intermediate Algebra 1**

Lab Fee: \$3.30

A continuation of MPC 095. This course includes solving multipart inequalities, absolute value inequalities and systems of equations in 2 and 3 unknowns and applications with systems of equations. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3530 02 MTWTh 09:15AM-10:20AM 1214 LANE S

Start & end date: 04/02/12 to 04/12/12

**MPC 099B Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying radical and exponential expressions, rationalizing denominators, combining radicals of mixed index and complex numbers. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3531 02 MTWTh 09:15AM-10:20AM 1214 LANE S

Start & end date: 04/16/12 to 04/26/12

**MPC 099C Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying compound fractions, solving quadratic equations using factoring, completing the square, and the quadratic formula, and solving rational and radical equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module B or continuous enrollment.

3532 02 MTWTh 09:15AM-10:20AM 1214 LANE S

Start & end date: 04/30/12 to 05/10/12

**MPC 099D Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes applications of quadratic equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module C or continuous enrollment.

3533 02 MTWTh 09:15AM-10:20AM 1214 LANE S

Start & end date: 05/14/12 to 05/24/12

**MPC 099E Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes functions, graphing non-linear equation, solving right triangles, simplifying and solving exponential and logarithmic equations, and periodic and continuous interest computations. Prerequisite: BBCC placement exam or successful completion of all MPC 095 modules.

3534 02 MTWTh 09:15AM-10:20AM 1214 LANE S

Start & end date: 05/29/12 to 06/11/12

**MPC 099A Intermediate Algebra 1**

Lab Fee: \$3.30

A continuation of MPC 095. This course includes solving multipart inequalities, absolute value inequalities and systems of equations in 2 and 3 unknowns and applications with systems of equations. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3535 03 MTWTh 10:30AM-11:35AM 1252 STAFF

Start & end date: 04/02/12 to 04/12/12

**MPC 099B Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying radical and exponential expressions, rationalizing denominators, combining radicals of mixed index and complex numbers. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3536 03 MTWTh 10:30AM-11:35AM 1252 STAFF

Start & end date: 04/16/12 to 04/26/12

**MPC 099C Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying compound fractions, solving quadratic equations using factoring, completing the square, and the quadratic formula, and solving rational and radical equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module B or continuous enrollment.

3537 03 MTWTh 10:30AM-11:35AM 1252 STAFF

Start & end date: 04/30/12 to 05/10/12

**MPC 099D Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes applications of quadratic equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module C or continuous enrollment.

3538 03 MTWTh 10:30AM-11:35AM 1252 STAFF

Start & end date: 05/14/12 to 05/24/12

**MPC 099E Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes functions, graphing non-linear equation, solving right triangles, simplifying and solving exponential and logarithmic equations, and periodic and continuous interest computations. Prerequisite: BBCC placement exam or successful completion of all MPC 095 modules.

3539 03 MTWTh 10:30AM-11:35AM 1252 STAFF

Start & end date: 05/29/12 to 06/11/12

**MPC 099A Intermediate Algebra 1**

Lab Fee: \$3.30

A continuation of MPC 095. This course includes solving multipart inequalities, absolute value inequalities and systems of equations in 2 and 3 unknowns and applications with systems of equations. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3540 04 MTWTh 11:45AM-12:50PM 1214 LANE S

Start & end date: 04/02/12 to 04/12/12

**MPC 099B Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying radical and exponential expressions, rationalizing denominators, combining radicals of mixed index and complex numbers. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3541 04 MTWTh 11:45AM-12:50PM 1214 LANE S

Start & end date: 04/16/12 to 04/26/12

**MPC 099C Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying compound fractions, solving quadratic equations using factoring, completing the square, and the quadratic formula, and solving rational and radical equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module B or continuous enrollment.

3542 04 MTWTh 11:45AM-12:50PM 1214 LANE S

Start & end date: 04/30/12 to 05/10/12

**MPC 099D Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes applications of quadratic equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module C or continuous enrollment.

3543 04 MTWTh 11:45AM-12:50PM 1214 LANE S

Start & end date: 05/14/12 to 05/24/12

**MPC 099E Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes functions, graphing non-linear equation, solving right triangles, simplifying and solving exponential and logarithmic equations, and periodic and continuous interest computations. Prerequisite: BBCC placement exam or successful completion of all MPC 095 modules.

3544 04 MTWTh 11:45AM-12:50PM 1214 LANE S

Start & end date: 05/29/12 to 06/11/12

**MPC 099A Intermediate Algebra 1**

Lab Fee: \$3.30

A continuation of MPC 095. This course includes solving multipart inequalities, absolute value inequalities and systems of equations in 2 and 3 unknowns and applications with systems of equations. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3545 05 MTWTh 01:00PM-02:05PM 1219 FARAG S

Start & end date: 04/02/12 to 04/12/12

**MPC 099B Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying radical and exponential expressions, rationalizing denominators, combining radicals of mixed index and complex numbers. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3546 05 MTWTh 01:00PM-02:05PM 1219 FARAG S



Start & end date: 04/16/12 to 04/26/12

**MPC 099C Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying compound fractions, solving quadratic equations using factoring, completing the square, and the quadratic formula, and solving rational and radical equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module B or continuous enrollment.

3547 05 MTWTh 01:00PM-02:05PM 1219 FARAG S

Start & end date: 04/30/12 to 05/10/12

**MPC 099D Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes applications of quadratic equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module C or continuous enrollment.

3548 05 MTWTh 01:00PM-02:05PM 1219 FARAG S

Start & end date: 05/14/12 to 05/24/12

**MPC 099E Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes functions, graphing non-linear equation, solving right triangles, simplifying and solving exponential and logarithmic equations, and periodic and continuous interest computations. Prerequisite: BBCC placement exam or successful completion of all MPC 095 modules.

3549 05 MTWTh 01:00PM-02:05PM 1219 FARAG S

Start & end date: 05/29/12 to 06/11/12

**MPC 099A Intermediate Algebra 1**

Lab Fee: \$3.30

A continuation of MPC 095. This course includes solving multipart inequalities, absolute value inequalities and systems of equations in 2 and 3 unknowns and applications with systems of equations. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3550 CL6 MTWTh 02:15PM-03:20PM 1801 SHERWOOD M

Start & end date: 04/02/12 to 04/12/12

Section CL6 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 that you have internet access outside of class.

**MPC 099B Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying radical and exponential expressions, rationalizing denominators, combining radicals of mixed index and complex numbers. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3551 CL6 MTWTh 02:15PM-03:20PM 1801 SHERWOOD M

Start & end date: 04/16/12 to 04/26/12

Section CL6 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 that you have internet access outside of class.

**MPC 099C Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying compound fractions, solving quadratic equations using factoring, completing the square, and the quadratic formula, and solving rational and radical equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module B or continuous enrollment.

3552 CL6 MTWTh 02:15PM-03:20PM 1801 SHERWOOD M

Start & end date: 04/30/12 to 05/10/12

Section CL6 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 that you have internet access outside of class.

**MPC 099D Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes applications of quadratic equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module C or continuous enrollment.

3553 CL6 MTWTh 02:15PM-03:20PM 1801 SHERWOOD M

Start & end date: 05/14/12 to 05/24/12

Section CL6 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 that you have internet access outside of class.

**MPC 099E Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes functions, graphing non-linear equation, solving right triangles, simplifying and solving exponential and logarithmic equations, and periodic and continuous interest computations. Prerequisite: BBCC placement exam or successful completion of all MPC 095 modules.

3554 CL6 MTWTh 02:15PM-03:20PM 1801 SHERWOOD M

Start & end date: 05/29/12 to 06/11/12

Section CL6 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 that you have internet access outside of class.

**MPC 099A Intermediate Algebra 1**

Lab Fee: \$3.30

A continuation of MPC 095. This course includes solving multipart inequalities, absolute value inequalities and systems of equations in 2 and 3 unknowns and applications with systems of equations. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3555 21 TTh 06:00PM-08:30PM 1219 SHERWOOD M

Start & end date: 04/02/12 to 04/12/12

**MPC 099B Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying radical and exponential expressions, rationalizing denominators, combining radicals of mixed index and complex numbers. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3556 21 TTh 06:00PM-08:30PM 1219 SHERWOOD M

Start & end date: 04/16/12 to 04/26/12

**MPC 099C Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes simplifying compound fractions, solving quadratic equations using factoring, completing the square, and the quadratic formula, and solving rational and radical equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module B or continuous enrollment.

3557 21 TTh 06:00PM-08:30PM 1219 SHERWOOD M

Start & end date: 04/30/12 to 05/10/12

**MPC 099D Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes applications of quadratic equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module C or continuous enrollment.

3558 21 TTh 06:00PM-08:30PM 1219 SHERWOOD M

Start & end date: 05/14/12 to 05/24/12

**MPC 099E Intermediate Algebra 1**

Lab Fee: \$3.30

This course includes functions, graphing non-linear equation, solving right triangles, simplifying and solving exponential and logarithmic equations, and periodic and continuous interest computations. Prerequisite: BBCC placement exam or successful completion of all MPC 095 modules.

3559 21 TTh 06:00PM-08:30PM 1219 SHERWOOD M

Start & end date: 05/29/12 to 06/11/12

**MPC 099A Intermediate Algebra 1**

Lab Fee: \$2.00

A continuation of MPC 095. This course includes solving multipart inequalities, absolute value inequalities and systems of equations in 2 and 3 unknowns and applications with systems of equations. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3560 OL1 ARR ARR WALLACE T

Start & end date: 04/02/12 to 04/12/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

**MPC 099B Intermediate Algebra 1**

Lab Fee: \$2.00

This course includes simplifying radical and exponential expressions, rationalizing denominators, combining radicals of mixed index and complex numbers. Prerequisite(s): BBCC placement exam or successful completion of all MPC 095 modules.

3561 OL1 ARR ARR WALLACE T

Start & end date: 04/16/12 to 04/26/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

**MPC 099C Intermediate Algebra 1**

Lab Fee: \$2.00

This course includes simplifying compound fractions, solving quadratic equations using factoring, completing the square, and the quadratic formula, and solving rational and radical equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module B or continuous enrollment.

3562 OL1 ARR ARR WALLACE T

Start & end date: 04/30/12 to 05/10/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

**MPC 099D Intermediate Algebra 1**

Lab Fee: \$2.00

This course includes applications of quadratic equations. Prerequisite(s): BBCC placement exam or successful completion of MPC 099 module C or continuous enrollment.

3563 OL1 ARR ARR WALLACE T

Start & end date: 05/14/12 to 05/24/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

**MPC 099E Intermediate Algebra 1**

Lab Fee: \$2.00

This course includes functions, graphing non-linear equation, solving right triangles, simplifying and solving exponential and logarithmic equations, and periodic and continuous interest computations. Prerequisite: BBCC placement exam or successful completion of all MPC 095 modules.

3564 OL1 ARR ARR WALLACE T

Start & end date: 05/29/12 to 06/11/12

Section OL1: Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$2.

### **Medical Assistant**

**MA 113 Clinical Procedures III 5**

Lab Fee: \$30.00

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

3567 01W Sa 08:00AM-04:00PM 1722 MANN M

3569 02B Sa 08:00AM-04:00PM 1722 MANN M

**MA 150 Pharmacology for Medical Assistants 3**

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

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

**Music**

**MUSC&105 Music Appreciation 5**

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

3605 01 MTWTh 09:15AM-10:20AM 1134 PATTERSON P

**MUSC 114 Mariachi Music Workshop 3**

Through a variety of learning experiences students will be introduced to traditional Mexican Mariachi music. Through reading, listening, singing and playing, students will experience, discover, explore and create music from this rich musical heritage. Students will work as a group in a supervised workshop environment to develop vocal and instrumental performing skills. May be repeated for credit. Prerequisite: None; previous musical experience will be helpful. HP

3626 01 MTWTh 01:00PM-01:50PM 1134 PATTERSON P

**MUSC 115 Group Piano I 2**

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

3630 01 MW 02:15PM-03:20PM 1135 PATTERSON P

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

**MUSC 116 Group Piano II 2**

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

3634 01 MW 03:30PM-04:35PM 1135 PATTERSON P

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

**MUSC 117 Group Piano III 2**

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

3638 01 MW 03:30PM-04:35PM 1135 PATTERSON P

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

**MUSC 124 Orchestra I 2**

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

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

**MUSC 134 Beginning Group Guitar 2**

Beginning group instruction to develop basic proficiency in guitar technique and music reading. Prerequisite: Student must supply guitar. Nylon string classical guitar is preferred. HP

3670 21 TTh 02:15PM-03:30PM 1134 PATTERSON P

**MUSC 170 History of Jazz 5**

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

3722 01 MTWTh 10:30AM-11:35AM 1134 PATTERSON P

**MUSC 215 Group Piano IV 2**

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

3730 01 MW 03:30PM-04:35PM 1135 PATTERSON P

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

**MUSC 216 Group Piano V 2**

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

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

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

**MUSC 217 Group Piano VI 2**

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

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

**MUSC 224 Orchestra II 1**

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

3740 21 M 06:00PM-08:00PM 1134 PATTERSON P

### Nursing

**NUR 100 Nursing Assistant 9**

Lab Fee: \$62.91

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. (Compass test score of 40 or above or placement in ENGL 98 or above)

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

F ARR 1721 ERWIN K

\$26.00 malpractice insurance required.

**NUR 103 HIV/AIDS Education 1**

Lab Fee: \$10.00

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

3808 01H ARR ARR MANN M

Class orientation and assignments are accessed online through Angel. Mandatory in class final on May 24 at 10:30 a.m. in room 1722. Online fee is \$10.

**NUR 115 Beginning Pharmacology Concepts I 1**

This course offers specific in-depth pharmacology information as it relates to common diseases discussed in the Beginning Nursing Concepts Course (NUR 121). Prerequisite: NUR 114

3823 01 ARR ARR 1700 BROOKS J

**NUR 117 Pharmacology for Beginning Concepts II 1**

This course gives specific in-depth pharmacology information and relates to common diseases in the Beginning Concepts II Course (NUR 130). Prerequisites: NUR 114 and instructor permission

3827 01 ARR ARR 1700 BROOKS J

**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 GONZALEZ-ALL

**NUR 131 Beginning Nursing Practicum II 4**

Lab Fee: \$2.50

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

3844 01 ARR ARR ELLISTON J

3845 02 ARR ARR ASAY M

3846 03 ARR ARR GONZALEZ-ALL

**NUR 137 Nursing Skills Laboratory 1**

Lab Fee: \$98.80

This course provides for the practice of nursing skills in a controlled setting in order to gain proficiency for delivery of nursing care in the clinical setting (NUR 131). The content is based on theoretical nursing knowledge taught in NUR 130. Prerequisite: NUTR& 101 with a 2.0 G.P.A. or above.

3860 01 ARR ARR 1731 ASAY M

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 1721 ELLISTON J

**NUR 231 Advanced Nursing Practicum III 6**

Lab Fee: \$2.50

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

3934 01 ARR ARR GONZALEZ-ALL

3935 02 ARR ARR BROOKS J

3936 03 ARR ARR ASAY M

**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 CHRISTIAN K

**Nutrition**

**NUTR&101 Nutrition 5**

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

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

3982 21 TTh 06:30PM-08:50PM 1218 FAIRBANKS V

**Philosophy**

**PHIL&101 Intro to Philosophy 5**

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

4202 02 MTWTh 01:00PM-02:05PM 1214 LANE S

**PHIL&106 Intro to Logic 5**

This course is an introduction to the procedures used to evaluate persuasive arguments, including those made in political debates and advertising, and several methods of deductive reasoning. Students will learn how to identify common mistakes and will learn how to analyze more advanced formal arguments. HU/SQR

4210 01 MTWTh 10:30AM-11:35AM 1601 KNEPP D

4212 02 MTWTh 02:15PM-03:20PM 1611 KNEPP D

4214 OL1 ARR ARR PALMER S

Online fee is \$10.

**Physical Education**

**PEH 090 Recreational Gym 0**

Community Ed Fee: \$25.40

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

4302 21 ARR ARR 2014 DE HOOG M

**PEH 100 Lifetime Wellness 3**

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

4310 01 MTW 10:30AM-11:20AM 1910 HOF LUND B

4312 02 MTW 01:00PM-01:50PM 1909 HOF LUND B

4314 OL1 ARR ARR NICHOLS L

Online fee is \$10.

**PEH 105 Theory Of Baseball 3**

A practical course involved in the coaching aspect of baseball, both defensively and offensively. Emphasis is placed on skills of body mechanics, teaching coaching strategies, organization of a baseball program and evaluation of performance as well as understanding of the rules. SE

4327 01 ARR ARR LINDGREN D

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

This course is for students intending to teach or coach women's fast pitch softball. Emphasis is placed on learning technical skills, teaching and coaching strategies, team-building skills, evaluation of performance in competition, and organization and implementation of a softball program. A high emphasis will be placed on teamwork and dealing with problems unique to the female student. Prerequisite: Previous fast pitch softball experience. SE

4330 01 ARR ARR IVERSON J

**PEH 114 Basketball 1**

Lab Fee: \$3.30

Fundamentals of ball handling, shooting, passing, techniques of offensive and defensive play, and practice in competition play. May be repeated for up to three (3) credits. AC

4336 01 MW 03:30PM-04:20PM 2014 WILKS P

4338 02 TTh 12:00PM-12:50PM 2014 POTH M

**PEH 122 Volleyball 1**

Lab Fee: \$3.30

Development of volleyball skills, rules, strategies of play and etiquette through repetitive drills for basics and random drills for long-term learning. May be repeated for up to three (3) credits. AC

4355 01 TTh 01:00PM-02:00PM 2012 STAFF

**PEH 125 Conditioning 1**

Lab Fee: \$3.30

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

4360 01 MW 11:45AM-12:35PM 2014 STAFF

4362 02 ARR ARR LINDGREN D

For information about class times please contact the instructor at 793.2230.

4363 03 ARR ARR IVERSON J

For information about class times please contact the instructor at 793.2232

**PEH 155 Body Toning 1**

Lab Fee: \$3.30

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

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

4391 02 TTh 11:00AM-11:50AM 2015 NIELSEN C

4392 03 MW 12:00PM-12:50PM 2015 NIELSEN C

4393 04 TTh 12:00PM-12:50PM 2015 NIELSEN C

4394 26 ARR ARR STAFF

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

## Physics

**PHYS&223 Engineering Physics III 4**

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: PHYS& 222.

Corequisite: PHYS& 233. LS

4474 01 MTWTh 09:15AM-10:05AM 1217 HAMM J

**PHYS&233 Engineering Phys Lab III 1**

Lab Fee: \$14.65

This laboratory course is the companion course to PHYS&223. LS

4478 01 Th 02:15PM-05:15PM 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. SS

4500 01 MTWTh 09:15AM-10:20AM 1608 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.

### **Psychology**

**PSYC&100 General Psychology 5**

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

4550 01 MTWTh 08:00AM-09:05AM 1601 STAFF

4552 02 MTWTh 02:15PM-03:20PM 1609 LEONARD R

4553 OL1 ARR ARR LEONARD R

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

**PSYC&200 Lifespan Psychology 5**

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

4578 01 MTWTh 10:30AM-11:35AM 1607 HOLLIWAY D

4579 OL1 ARR ARR

HOLLIWAY D

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

### 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 01 MTWTh 10:30AM-11:35AM 1606 STAFF

**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 21H M 06:00PM-08:00PM 1606 STAFF

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.

### 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. This idea that we are all profoundly affected by the society in which we live is called the "sociological perspective or imagination", and it is the guiding light of sociology. Strongly recommend placement in MPC 095 or higher and placement in ENGL 099 or higher. SS

4640 01 MTWTh 09:15AM-10:20AM 1601 HOLLIWAY D

4641 02 MTWTh 11:45AM-12:50PM 1601 STAFF

4642 03 MTWTh 01:00PM-02:05PM 1607 HOLLIWAY D

4644 OL1 ARR ARR STAFF

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

## Spanish

**SPAN&121 Spanish I 5**

Lab Fee: \$10.00

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

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

4703 21 MW 06:30PM-08:30PM 1604 MCLAUCHLAN N

**SPAN&122 Spanish II 5**

Lab Fee: \$10.00

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

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

4713 21 MW 06:30PM-08:30PM 1604 MCLAUCHLAN N

**SPAN&123 Spanish III 5**

Lab Fee: \$10.00

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

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

4723 02 MTWTh 02:15PM-03:20PM 1604 LEAVITT A

4725 21 MW 06:30PM-08:30PM 1604 MCLAUCHLAN N

## Welding

**WLD 111 Welding Process I 3**

Lab Fee: \$31.50

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

4840 01 MTWTh 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 KAUPP G

4847 21 MW 06:35PM-09:35PM 3403 KAUPP G

4848 22 TTh 06:35PM-09:35PM 3401 KAUPP G

**WLD 112 Thermal Cutting and Welding 3**

Lab Fee: \$31.50

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

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

4857 02W Sa 08:00AM-02:30PM 3401 KAUPP G

4859 21 MW 06:35PM-09:35PM 3403 KAUPP G

4860 22 TTh 06:35PM-09:35PM 3403 KAUPP G

**WLD 121 Welding Process II 3- 6**

Lab Fee: \$63.00

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

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

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

4883 02W Sa 08:00AM-02:30PM 3403 KAUPP G

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

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

**WLD 122 Gas Metal Arc Welding I 3**

Lab Fee: \$31.50

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

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

4897 02 ARR 12:30PM-03:00PM 3403 MCDANIEL S

4898 03W Sa 08:00AM-02:30PM 3403 KAUPP G

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

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



**WLD 130 Welding Theory III 5**

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

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: WLD 121.

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

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

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

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

**WLD 132 Gas Tungsten Arc Welding I (TIG) 3**

Lab Fee: \$31.50

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

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

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

4940 21 MW 06:35PM-09:35PM 3403 KAUPP G

4941 22 TTh 06:35PM-09:35PM 3403 KAUPP G

**WLD 151 Technical Drawings Interpretation 3**

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

4952 21 MW 04:40PM-06:30PM 3401 KAUPP G

**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

4970 01 MTW 03:15PM-04:30PM 3401 MCDANIEL S

**WLD 190 Skill Improvement 1- 6**

Lab Fee: \$31.50

\*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 KAUPP G

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

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

**WLD 205 Weld Testing Methods 4**

Lab Fee: \$42.00

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

5014 21 TTh 04:20PM-06:30PM 3401 KAUPP G

**WLD 207 Welding Metallurgy 4**

Lab Fee: \$42.00

An introduction to metallurgy. Ferrous and nonferrous metals, alloys and their groupings will be covered. Prerequisite: WLD 206

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

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

Lab Fee: \$31.50

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

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

5027	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5029	21	MW	06:35PM-09:35PM	3403	KAUPP G
5030	22	TTh	06:35PM-09:35PM	3403	KAUPP G
<b>WLD 241</b>			<b>Structural Weld Process I</b>		<b>6</b>

Lab Fee: \$63.00

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

5040	01	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
5042	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5044	21	MW	06:35PM-09:35PM	3403	KAUPP G
5045	22	TTh	06:35PM-09:35PM	3403	KAUPP G
<b>WLD 242</b>			<b>Structural Welding I</b>		<b>3</b>

Lab Fee: \$31.50

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

5050	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL S
5052	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5054	21	MW	06:35PM-09:35PM	3403	KAUPP G
5055	22	TTh	06:35PM-09:35PM	3403	KAUPP G
<b>WLD 243</b>			<b>Structural Weld Process II</b>		<b>6</b>

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	KAUPP G
5064	21	MW	06:35PM-09:35PM	3403	KAUPP G
5065	22	TTh	06:35PM-09:35PM	3403	KAUPP G
<b>WLD 244</b>			<b>Submerged Arc Welding</b>		<b>3</b>

Lab Fee: \$31.50

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

5070 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5072 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5074 21 MW 06:35PM-09:35PM 3403 KAUPP G

5075 22 TTh 06:35PM-09:35PM 3403 KAUPP G

**WLD 245 Structural Weld Process III 6**

Lab Fee: \$63.00

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

5080 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5082 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5084 21 MW 06:35PM-09:35PM 3403 KAUPP G

5085 22 TTh 06:35PM-09:35PM 3403 KAUPP G

**WLD 261 Production Weld Process I 6**

Lab Fee: \$63.00

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

5095 01 MTWTh 12:30PM-03:00PM 3403 MCDANIEL S

5097 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5099 21 MW 06:35PM-09:35PM 3403 KAUPP G

5100 22 TTh 06:35PM-09:35PM 3403 KAUPP G

**WLD 262 Production Welding I 3**

Lab Fee: \$31.50

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

5105 01 MTWTh 10:25AM-11:45AM 3403 MCDANIEL S

5107	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5109	21	MW	06:35PM-09:35PM	3403	KAUPP G
5110	22	TTh	06:35PM-09:35PM	3403	KAUPP G
<b>WLD 263</b>	<b>Production Weld Process II</b>			<b>6</b>	

Lab Fee: \$63.00

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

5115	01	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
5117	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5120	21	MW	06:35PM-09:35PM	3403	KAUPP G
5121	22	TTh	06:35PM-09:35PM	3403	KAUPP G
<b>WLD 264</b>	<b>Advanced Weld Process</b>			<b>3</b>	

Lab Fee: \$31.50

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

5125	01	MTWTh	10:25AM-11:45AM	3403	MCDANIEL S
5127	21	MW	06:35PM-09:35PM	3403	KAUPP G
5129	22	TTh	06:35PM-09:35PM	3403	KAUPP G
<b>WLD 265</b>	<b>Production Weld Process III</b>			<b>6</b>	

Lab Fee: \$63.00

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

5135	01	MTWTh	12:30PM-03:00PM	3403	MCDANIEL S
5137	02W	Sa	08:00AM-02:30PM	3403	KAUPP G
5139	21	MW	06:35PM-09:35PM	3403	KAUPP G
5140	22	TTh	06:35PM-09:35PM	3403	KAUPP G
<b>WLD 281</b>	<b>Pipe Welding I</b>			<b>6</b>	

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

**WLD 282 Gas Tungsten Arc Welding II (TIG) 3**

Lab Fee: \$31.50

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

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

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

5163 21 MW 06:35PM-09:35PM 3403 KAUPP G

5164 22 TTh 06:35PM-09:35PM 3403 KAUPP G

**WLD 283 Pipe Welding II 3- 6**

Lab Fee: \$63.00

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

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

281

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

5171 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5172 21 MW 06:35PM-09:35PM 3403 KAUPP G

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

**WLD 284 Gas Tungsten Arc Welding (TIG) III 3**

Lab Fee: \$31.50

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

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

5182 02W Sa 08:00AM-02:30PM 3403 KAUPP G

5183 21 MW 06:35PM-09:35PM 3403 KAUPP G

5184 22 TTh 06:35PM-09:35PM 3403 KAUPP G

**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 KAUPP G

5192 21 MW 06:35PM-09:35PM 3403 KAUPP G

5193 22 TTh 06:35PM-09:35PM 3403 KAUPP G

**WLD 290 Skill Improvement II 1- 6**

Lab Fee: \$31.50

\*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 KAUPP G

5206 21 MW 06:35PM-09:35PM 3403 KAUPP G

5207 22 TTh 06:35PM-09:35PM 3403 KAUPP G

**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