ADMISSION AND REGISTRATION

Bakersfield College Academic Calendar
Spring Semester 2014 (January 20-May 16)

November 13  Early web registration begins
December 2-3  Open web registration begins
January 20    Martin Luther King, Jr. Day Holiday
January 21    Instruction Begins
January 31    Last Day for a Refund for Semester-Length Classes*
February 3    Last Day to Add a Semester-Length Class with Approved Add Form
February 3    Last Day to Drop From a Semester-Length Class Without Receiving a W*
February 14   Lincoln Day Holiday
February 17   Washington Day Holiday
March 28      Last Day to Withdraw From a Semester-Length Class and Receive a W*
April 1       Last Day to File for Graduation
April 9       Early Web Registration for 2014 Summer Semester Begins
April 14-19   Spring Recess
April 23-25   Open Web Registration for 2014 Summer Semester
May 16        Commencement
May 16        End of Spring Semester

*In courses other than semester length, the Office of Admissions and Records or the instructor should be consulted regarding drop, withdrawal, and refund deadlines.

Pass-No Pass
Some courses are offered on a pass-no pass basis; the credit, no credit option will no longer be available. Upon successful completion of such a course, unit credit will be awarded. However, courses taken on a pass-no pass basis are not used in the computation of a student’s grade point average. Regulations for such courses are:
1. A maximum of 12 units may be taken on a pass-no pass basis and applied toward the Associate in Arts or Associate in Science at Bakersfield College.
2. A maximum of three units per semester may be taken on a pass-no pass basis. Exceptions to this rule may be made by the Executive Vice President, Student Services in cases involving Nursing, Radiologic Technology, and special remedial programs.
3. In courses in which pass-no pass is authorized, the pass grade is granted for performance which is equivalent to the letter grade of ‘C’ or better.
4. Combination classes (pass-no pass or grades) must have an ‘A’, ‘B’, ‘C’, ‘D’, F and pass-no pass system.
5. Petitions for pass-no pass must be filed with the Office of Admissions and Records in the Administration building, room 7 no later than the first day of the third week of the semester or the last day of the first week of summer session.
6. When a student has established the basis for grading as pass no pass or a letter grade, he/she may not elect to change after the established deadline.
7. Courses in which pass-no pass grading may be used must be so designated by the department involved. A department may require majors to obtain letter grades in that department’s major subjects.

Pass-no pass forms are available in the Office of Admissions and Records in the Administration building, room 7. The following courses are approved for pass-no pass grading:
- ACDV – B5a, B6, B70a-f, B190, B201a, B201b, B201c
- ADMJ – B60, B61, B63, B81
- APPR – B60cs, B60ec, B60fa, B60fb, B60pe, B60pt, B65xf
- ART – B1, B2, B4, B17
- AUTO – B106, B112
- BSAD – B9, B250
- CADM – B54, B55, B56, B57, B58, B70a, B70b, B70c, B70d, B70e, B70f, B70g, B70h, B70i, B70j, B70k, B70l, B70m, B70n, B70o, B70p, B70q, B70r, B70s, B70t, B70u, B70v, B70w, B70x, B70z, B71a, B71f, B71g, B71h, B71i, B71j, B71k, B71l, B71m, B71n, B71o, B71p, B71q, B71r, B71s, B71t, B71u, B71v, B71w, B71x, B71y, B71z, B71ab, B71ac, B71ad, B71ae, B71af, B71ag, B71ah, B71ai, B71aj, B71ak, B71al, B71am, B71an, B71ao, B71ap, B71aq, B71ar, B71as, B71at, B71au, B71av, B71aw, B71ax, B71ay, B71az, B72, B73, B74, B75, B76, B77, B78, B79
- CHDV – B70b
- COMS – B2, B3, B5, B10, B14, B27, B35, B40, B51, B74a, B74b, B74c, B74e, B75c, B82, B96
- CRIM – B1, B2, B3, B4, B5, B8, B9, B10, B55

*In courses other than semester length, the Office of Admissions and Records or the instructor should be consulted regarding drop, withdrawal, and refund deadlines.
• EDUC – B24
• ELET – B55a, B63
• ENGL – B34, B60
• ENSL – B22, B50, B60, B61, B70, B71ab, B71cd, B300N, B301N, B302N, B303N, B304N
• FDSV – B71
• FIRE – B2, B25a, B25f, B25h, B29, B71a
• GEOL – B35a, B35b
• INDT – B10, B274
• JAPN – B3
• MEDS – B52, B66, B68
• MUSC – B5ab, B230abc
• NURS (VNRS) – all clinical components of nursing courses; NURS B70, B100, B201abcd
• VNRS – B1LV, B85LV, B86LV, B87LV, B95LV, B96LV, B97LV
• ORNH – B2
• PHED – B3adp, B6fcx, B6t, B6wt, B32
• PHIL – B7 (Philosophy majors may not take Philosophy courses for Pass/No Pass grading)
• RADT – B4a, B4b, B6, B7, B10, B13
• SPST – B48, B201/B201L
• STDV – B1, B2, B3, B6
• WOOD – B1, B2, B5, B65a, B65b
• WEXP – B250
Communication Studies
Associate in Arts for Transfer

The Associate in Arts in Communication Studies for Transfer is intended for all students who plan to complete an AA in Communication studies. This degree is especially valuable for those students planning on completing a bachelor’s degree in Communication or a similar major at a CSU campus because the Associate in Arts in Communication Studies for Transfer guarantees admission to the CSU system (but not to a particular campus or major). In order to earn the Associate in Arts in Communication Studies for Transfer, students must complete a minimum of 60 required semester units of CSU-transferable coursework which includes the CSU General Education or IGETC requirements with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the Associate in Arts in Communication Studies for Transfer will be required to complete no more than 60 units after transfer to earn a bachelor’s degree (unless the major is a designated high-unit major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. No additional graduation requirements are required to complete this degree.

The Associate in Arts in Communication Studies for Transfer equips students with relational and presentation skills that provide a foundation for success throughout students’ educational careers, business careers and personal interactions. Students learn about verbal and nonverbal channels of communication that inform, persuade, manage, interpret, direct, or influence social interaction in diverse contexts. The degree introduces students to both established and contemporary theories of human communication pertaining to societal construction, maintenance, and perpetuation of acceptable patterns of communicative conduct. Students choosing this degree also acquire pragmatic communication skills enabling them to competently navigate social interaction within interpersonal, small group, public, organizational, and intercultural contexts. Students learn field-specific nomenclature as well as effective oral, listening, and critical thinking skills needed to successfully manage communication encounters in a variety of professional and personal environments. Students will be prepared in this lower division work for a baccalaureate degree in Communication Studies, Speech Communication, or a similar degree.

To Achieve the Associate in Arts for Transfer
Upon completion of the following courses with at least a ‘C’ grade in each course, the student will be awarded a Communication Studies Associate in Arts for Transfer degree.

To Transfer Coursework
A minimum of 18 semester units in the major with a grade of ‘C’ or better while maintaining a minimum grade point average of at least 2.0 in all California State University transferable coursework.

Program Learning Outcomes
Upon successful completion, the student will:

- form and present informative persuasive messages.
- demonstrate competence in both active and empathic listening.
- present oral messages to appropriate audiences and adhere to conventions of message delivery.
- manager personal communication apprehension and anxiety.

<table>
<thead>
<tr>
<th>Required Core Courses</th>
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<tbody>
<tr>
<td><strong>Course Number</strong></td>
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<tr>
<td>COMM B1*</td>
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<tr>
<td>Group A (any two of the following courses)</td>
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<td>COMM B2*</td>
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<td>COMM B5*</td>
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<td>COMM B8*</td>
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<tr>
<td>Group B (any two of the following or any Group A course not used)</td>
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<td>COMM B4*</td>
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<td>COMM B6*</td>
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<td>COMM B7*</td>
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<td>COMM B21</td>
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<tr>
<td>Group C (any one of the following or any Group A or B course not used)</td>
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<tr>
<td>COMM B9</td>
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<td>COMM B10</td>
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<tr>
<td>ENGL B2</td>
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<td>JRNL B1</td>
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<td>JRNL B2</td>
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<tr>
<td>PSYC B1a</td>
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<td>SOC1 B1</td>
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Required Subtotal 18.0

CSU General Education or IGETC Pattern: 39.0
Transfer Electives (as needed to reach 60 transferable units) 23.0
Degree Total 60.0

*Courses with an asterisk can be double counted for General Education
Programs that are Deactivated
Art Major AA
California Real Estate Certificate of Achievement
California Real Estate AA
General Management Job Skills Certificate
Marketing Certificate of Achievement
Marketing Major AA
Management International Trade Certificate of Achievement
Management Logistics Certificate of Achievement
Academic Development Courses

ACDV B280 Supervised Tutoring

\[ \text{unit} \]

Description: Provides tutoring in various academic subjects, conducted in a designated learning center, to augment classroom instruction. Referral by subject-area instructor, counselor, or tutor trainer is suggested.

Note: Weekly hours are decided jointly by the instructor and student. Students cannot register by telephone or the web for this course; see instructor in SS 203 to complete enrollment. Open entry/exit.

Hours: 1 to 54

CCS: Non-Enhanced Funding

Transferable: Not transferrable. Not degree applicable.

ACDV B281A Supervised Tutoring-Computer: Reading

\[ \text{unit} \]

Description: Provides tutoring in various academic subjects, conducted in a computer lab, to augment classroom instruction. Open entry/exit.

Note: Weekly hours are decided jointly by the instructor and students. Students cannot register by the web for this course; see instructor in SS 143 to complete enrollment.

Hours: 1 to 85

CCS: Non-Enhanced Funding

Transferable: Not transferrable. Not degree applicable.

ACDV B281B Supervised Tutoring-Computer: Writing

\[ \text{unit} \]

Description: Provides tutoring in various academic subjects, conducted in a computer lab, to augment classroom instruction. Open entry/exit.

Note: Weekly hours are decided jointly by the instructor and student. Students cannot register by the web for this course; see instructor in SS 143 to complete enrollment.

Hours: 1 to 85

CCS: Non-Enhanced Funding

Transferable: Not transferrable. Not degree applicable.

ACDV B281C Supervised Tutoring-Computer: Mathematics

\[ \text{unit} \]

Description: Provides tutoring in various academic subjects, conducted in a computer lab, to augment classroom instruction. Open entry/exit.

Note: Weekly hours are decided jointly by the instructor and student. Students cannot register by the web for this course; see instructor in SS 143 to complete enrollment.

Hours: 3 - 85

CCS: Non-Enhanced Funding

Transferable: Not transferrable. Not degree applicable.

Agriculture

ANSC B86 Pharmacology for Veterinary Technicians

\[ 1.5 \text{ units} \]

Prerequisites: Either ANSC B83 or both ANSC B80 and ANSC B82 with grades of 'C' or better.

Description: Instruct students with required knowledge of pharmacological and biological agents used in veterinary medicine, including calculations, classifications, action, and methods of administration, dispensing and labeling. FDA, USDA, and DEA guidelines regarding restricted and scheduled drugs, as they relate to small animals and residue avoidance in food animals. Dosages, agents, and administration of pharmaceuticals are covered.

Hours: 27 lecture

CCS: Credit Course

Transferable: Associate Degree only. Not transferrable.

ANSC B90 Emergency Medicine, Surgery/Nursing Procedures for Veterinary Technicians

\[ 2 \text{ units} \]

Prerequisites: Either ANSC B83 or both ANSC B80 and ANSC B82 with grades of 'C' or better.

Description: Provides the student with knowledge required to recognize emergency and provide emergency and critical care to veterinary patient, including establishing a patent airway, administering oxygen, controlling hemorrhage, performing CPR, and stabilizing patient to prevent and/or treat shock.

Hours: 36 lecture

CCS: Credit Course

Transferable: Associate Degree only. Not transferrable.

ANSC B96 Radiology, Ultrasound, and Diagnostic Imaging for Veterinary Technology

\[ 1.5 \text{ units} \]

Prerequisites: Either ANSC B83 or both ANSC B80 and ANSC B82 with grades of 'C' or better.

Description: Course is intended to give the student a sound knowledge of the techniques used in physical imaging in veterinary medicine. Includes history, statutes, and regulations, positioning techniques, developing, and film and screen characteristics. Instruction includes knowledge for preparing patient for imaging (radiograph and ultrasonography), positioning patient for imaging, safety during imaging, processing images/radiographic film, and maintenance of imaging equipment.

Hours: 27 lecture

CCS: Credit Course

Transferable: Associate Degree only. Not transferrable.

Automotive Technology

AUTO B2B Advanced Engine Repair and Machining

\[ 9 \text{ units} \]

Prerequisites: AUTO B2a with a grade of 'C' or better.

Description: This course covers the acquisition of advanced skills required for accurate internal combustion engine diagnosis, repair, and all phases of engine rebuilding machine work. Demonstrated lecture, simulated problem diagnosis and practical application on "live" vehicles will be used. Individual instruction on advanced engine rebuilding machinery & tools is an integral part of this course. Advanced engine theory, design, diagnosis, repair, practical and theoretical high performance modifications are all part of this course. Preparation for the A1 and A8 ASE exams will be covered. Theory of internal combustion, piston-type engine design and maintenance. Practice in engine overhaul procedures and mechanical problems diagnosis. This course is similar to Auto B75B but includes more lab hours. The extended lab time offers a greater degree of practical experience.

Material Fee: $10.00 for Hazmat removal, solvents and cleaners.

Hours: 108 lecture, 162 laboratory

CCS: Credit Course

Transferable: CSU and private colleges, elective credit only.
AUTO B50AB Diesel and Heavy Equipment Technician Training
7 units
Description: Repair service on heavy equipment. Emphasizes maintenance, repair, trouble-shooting, design, safety, tool usage, welding and air conditioning. Not open to students with credit in AUTO B50A or AUTO B50B or AUTO B80.
Hours: 64 lecture, 192 laboratory
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

AUTO B61 Basic and Enhanced Area Clean Air Car Course
4 units
Recommended: Reading - one level prior to transfer. AUTO B1ab with grades of 'C' or better, or one year of automotive repair work experience in automotive performance and emissions.
Description: Course prepares student to take the California State Smog Test. Helps prepare student to take the ASE A-6, A-8, and L-1 tests. Elements of class are mandated by the California Department of Consumer Affairs Bureau of Automotive Repair and are subject to periodic change and addition by that agency. Not open to students who have taken the equivalent courses, AUTO B65a and/or AUTO B65b.
Hours: 54 lecture, 54 laboratory
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

AUTO B75C Advanced Engine Overhaul
3 units
Prerequisites: AUTO B75b with a grade of 'C' or better.
Description: Application of engine overhaul theory and procedures, including component inspection and tolerances, is covered in this class. Advanced engine theory, design, diagnosis, repair, practical and theoretical high performance modifications are all part of this course. This class also provides additional lab hours during which the students will complete specific lab tasks associated with this class.
Hours: 18 lecture, 108 laboratory
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

AUTO B75D Advanced Engine Machining
3 units
Prerequisites: AUTO B75c with a grade of 'C' or better.
Description: Application of engine overhaul theory and procedures, including reassembly and initial startup procedures, is covered in this class. Individual instruction on advanced engine rebuilding machinery & tools is an integral part of this course. Advanced engine theory, design, diagnosis, repair, practical and theoretical high performance modifications are all part of this course. This class also provides additional lab hours during which the students will complete specific lab tasks associated with this class.
Hours: 18 lecture, 108 laboratory
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

AUTO B106 Auto Brakes/Suspension/Steering/Alignment
9 units
Prerequisites: Prerequisites: AUTO B1ab, or AUTO B14, or AUTO B15, or AUTO B64, with grades of 'C' or better.
Recommended: Reading - one level prior to transfer
Description: A comprehensive course in automotive and light truck brakes, alignment, suspension, and steering systems. Designed to give students the skills and knowledge to diagnose and repair these systems to industry standards.
Hours: 108 lecture, 162 laboratory
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

AUTO B112 Auto Transmission/Gear Boxes
9 units
Recommended: Reading - one level prior to transfer
Prerequisites: AUTO B1ab, or AUTO B64a, or AUTO B14, or AUTO B15, with grades of 'C' or better.
Description: Automatic transmissions and transaxles, computer controls, 2, 3, and 4 speed transmissions, override, and all related components. Also covers standard transmissions and transaxles, clutches, "U" joints, differentials, and all related components. Successful completion should enable student to pass the National Institute of Service Excellence test.
Note: Not open to students who have received a satisfactory grade in both AUTO B12a and AUTO B112b.
Hours: 108 lecture, 162 laboratory
CCS: Credit Status
Transferable: Associate Degree only. Not transferrable.

Business Administration
BSAD B55 Computer Accounting Applications
3 units
Prerequisites: BSAD B1 or BSAD B53b with a grade of C or better.
Description: Review and practical application of accounting principles, electronic spreadsheets, word processing and data management as they pertain to solution of accounting problems and situations on a microcomputer. Emphasizes analysis of problems and student initiative to solve the problems presented using computerized software available.
Hours: 54 lecture
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

Child Development
CHDV B22 Observation and Assessment: Birth through Adolescence
3 units
Prerequisites: CHDV B21 with a grade of C or better and Reading - one level prior to transfer.
Description: Course includes acquisition and application of basic observation skills regarding children’s physical, cognitive, language, social and emotional development from birth to adolescence.
Hours: 54 lecture
CCS: Credit Course
Transferable: UC, CSU and private colleges

CHDV B41 Supervised Field Experience in Early Childhood Education
3 units
Recommended: Reading - one level prior to transfer.
Prerequisites: CHDV B20 and CHDV B21 and CHDV B42 and CHDV B36 with grades of 'C' or better.
Description: Basic techniques of working with children including promoting self-esteem; creativity; self-discipline; development of physical and cognitive skills; and planning appropriate curriculum,
connections between theory and practice, development of professional behaviors, child centered approaches to teaching, learning, and assessment, implementing and evaluating experiences that promote positive development and learning. The lab portion of this course includes supervised field experience working with children two to five years in age in a Child Development Center applying knowledge gained in lecture. Field trips may be required

Note: Course combines the previous CHDV B41 and CHDV B411 – formerly CHDV B41a or CHDV B41b plus CHDV B41al or CHDV B41bl.

Hours: 18 lecture, 108 laboratory
 CCS: Credit Course
 Transferable: CSU and private colleges

CHDV B45A Administration of Programs for Young Children: Business Procedures

3 units
 Recommended: Reading - one level prior to transfer.
 Description: Administration of programs for young children including private and publicly-funded child care centers and preschool programs. Emphasizes business procedures and public policy. Field trips required.
 Hours: 54 lecture
 CCS: Credit Course
 Transferable: CSU and private colleges

Chemistry

CHEM B30A Introductory General Chemistry, I

5 units
 Prerequisites: CHEM B1B with a grade of ‘C’ or better.
 Description: This is the first semester of a one-year course in organic chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, pre-medicine, and related areas). Taken as a sequence, the course covers fundamental principles and concepts of organic chemistry including (but not limited to) bonding, molecular structure, the standard functional groups, nomenclature, stereochemistry, reactions, and mechanisms. Strong emphasis is placed on reaction mechanisms, stereochemistry, multi-step syntheses, and structure elucidation using hands-on modern instrumental methods (multinuclear NMR, FT-IR, GC, etc.). In addition, various modern computational techniques and an introduction to bio-molecules are presented.
 Hours: 54 lecture, 108 laboratory
 CCS: Credit Course
 Transferable: UC, CSU and private colleges

CHEM B30B Introductory General Chemistry, II

5 units
 Prerequisites: CHEM B30A with a grade of ‘C’ or better.
 Description: This is the second semester of a one-year course in organic chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, pre-medicine, and related areas). Taken as a sequence, the course covers fundamental principles and concepts of organic chemistry including, but not limited to structure, bonding, nomenclature, stereochemistry, the standard functional groups, reactions, and mechanisms. Special emphasis is placed on reaction mechanisms, stereochemistry of reactions, multi-step syntheses, and structure elucidation using modern instrumental methods (multinuclear NMR, FT-IR, GC, etc.). In addition, various modern computational techniques and an introduction to bio-molecules are presented.
 Hours: 54 lecture, 108 laboratory
 CCS: Credit Course
 Transferable: UC, CSU and private colleges

Communication

COMM B6 Intercultural Communication

3 units
 Recommended: Reading - one level prior to transfer.
 Description: Study of basic theory and skills of intercultural communication. Emphasis is given to communicating effectively in diverse social and professional environments. Focus will also be given to the analysis and comparisons of message perception and transmission in interactions between people from different cultures. Practical application of these skills will also be highlighted.
 C-ID: COMM 150
 Hours: 54 lecture
 CCS: Credit Course
 Transferable: UC, CSU and private colleges

Computer Studies

COMS B3 Computer Concepts and Survival Skills

3 units
 Description: An introduction to computers and computer information systems as problem-solving and personal productivity tools. The focus of the course is to provide the “survival skills” and computer literacy that most computer users need today. The lecture portion of the course includes a brief history of computing, as well as ethical and societal implications of computer use. The hands-on portion of the course will provide experience with software and techniques that will help students to be productive personally and professionally. Examples include: word processing, spreadsheets, backup, anti-virus, anti-spyware, communications, multimedia, email, web based research, and operating systems.
 Note: Not open to students who have completed COMS B2.
 Hours: 54 lecture
 CCS: Credit Course
 Transferable: CSU and private colleges

COMS B75C Web Programming Development: PHP

3 units
 Description: An introduction to the use of PHP platform to develop dynamic web applications. Covers the origins, syntax and structure of PHP, as well as the PHP-specific commands and objects and their use in PHP development.
 Hours: 54 lecture
 CCS: Credit Course
 Transferable: CSU and private colleges

COMS B96 Applied Linux

3 units
 Recommended: COMS B41, COMS B82, or COMS B95 with grades of ‘C’ or better; or evaluation by instructor of student’s ability to use the Linux Operating System and knowledge of computer networking.
 Description: Introduces students to the applied use of the Linux Operating System. Covers in-depth topics related to configuring both Client and Server software and administration.
 Hours: 54 lecture
 CCS: Credit Course
 Transferable: CSU and private colleges
CRPS B10 Plant Biology
4 units
Recommended: Reading - one level prior to transfer, Advisory Writing - 1 Level Prior to Transfer, and Mathematics - 2 Levels Prior to Transfer.
Description: An introductory course covering the fundamental principles of plant science with emphases on structure, function, reproduction, and development of seed plants. The principles will be related to the practices of applied plant biology in crop production, forestry, and horticulture. Not open to students who have taken BIOL B10.
Hours: 54 lecture, 54 laboratory
CCS: Credit Course
Transferable: UC, CSU and private colleges

Electronics Technology
ELET B4 Computer Integrated Manufacturing
3 units
Prerequisites: ELET B5 with a grade of 'C' or better.
Recommended: Reading - one level prior to transfer
Description: Introduction to industrial automation technologies and the procedures utilized when troubleshooting automated control systems. Topics include programmable logic controllers (PLC), machine control, industrial robots, barcode readers, material handling systems, and Ethernet communications.
Note: Not open to students who have completed MFGT B4 or MFGT B50.
Hours: 36 lecture, 54 laboratory
CCS: Credit Course
Transferable: CSU and private colleges

Emergency Media Technician
EMTC B50R Emergency Medical Technician I Recertification Preparation
1 unit
Prerequisites: Must possess current EMT-1 certification or certification that has expired in less than one year.
Description: A review of material in EMTC B50 with updates on EMT-1 issues and new material or skill techniques. An approved refresher course that follows state regulations and leads to a recertification completion certificate. Required to continue practice of pre-hospital emergency care.
Hours: 24 lecture
Repeat: Legally Mandated Training
CCS: Credit Course

English
ENGL B3 Argumentative Writing and Critical Thinking Through Literature
4 units
Prerequisites: ENGL B1A with a grade of 'C' or better.
Description: This course offers instruction in argumentative, critical, and analytical writing, critical thinking, research strategies, information literacy, and proper documentation through the study of literary works from major genres, while developing students’ close reading skills and promoting an appreciation for the aesthetic qualities of literature.
Hours: 72
CCS: Credit Course
Transferable: UC, CSU and private colleges

ENGL B5A Survey of English Literature
3 units
Recommended: ENGL B1 b with a grade of "C".
Prerequisites: ENGL B50 or ENSL B50 with a minimum grade of 'C' or English Level 6.
Description: A historical survey of English literature, emphasizing critical reading of representative works from Beowulf through the eighteenth century. Recommended for students whose major or minor is English and for students who desire to extend their knowledge of the literary tradition.
Hours: 54 lecture
CCS: Credit Course
Transferable: UC, CSU and private colleges

ENGL B10 Introduction to Shakespeare
3 units
Prerequisites: English Placement Level 6 or ENGL B50 with a grade of ‘C’ or better.
Description: A course involving the study of the drama and sonnets of William Shakespeare. Recommended as an elective for majors in the humanities, history, or education. Historical information pertaining to Shakespeare and Elizabethan England will also be covered to increase students’ appreciation of the Bard’s accomplishments. Classroom discussions, oral presentations, and performance footage will provide further examples of the ongoing relevance of Shakespeare’s work today.
Hours: 54 lecture
CCS: Credit Course
Transferable: UC, CSU and private colleges

ENGL B24 Latino/a Literature
3 units
Prerequisites: Reading - 1 Level Prior to Transfer or ENGL B50 or ENGL B53 or ENSL B50 with a grade of ‘C’ or better.
Description: This course will study works written by Latinas/os in the United States and Latin America in order to discover the ways in which these works have interacted with specific cultures and contexts, from colonialism to the present.
Hours: 54 lecture
CCS: Credit Course
Transferable: UC, CSU and private colleges

ENGL B27 The Bible as Literature
3 units
Prerequisites: ENGL B50 or ENSL B50 with a minimum grade of ‘C’ or English Level 6.
Description: Interpretation and analysis of Old and New Testament genres: Narrative, poetry, drama, epistles, didactics, wisdom, and prophecy.
Hours: 54 lecture
CCS: Credit Course
Transferable: UC, CSU and private colleges

ENGL B30A Survey of American Literature
3 units
Recommended: ENGL B1 b with a grade of ‘C’ or higher.
Prerequisites: Satisfactory completion of ENGL B50 with a minimum grade of ‘C’ or English Level 6.
Description: A study of the most notable American authors from the colonial period to the American Civil War with emphasis on the intrinsic value of the literature. Recommended as an elective for majors in the humanities, history or education.
Hours: 54 lecture
ENGL B50 Introduction to College Composition
4 units
Prerequisites: ENGL B60 or ENSL B60 with a grade of 'C' or better.
Description: Emphasizes the writing of expository and argumentative essays and the comprehension and analysis of readings. Preparers transfer students for English B1a.
Hours: 72 lecture
CCS: Credit Course
Transferable: Not degree applicable. Not transferrable.

ENGL B53 Reading, Reasoning, and Writing
4 units
Prerequisites: ACDV B68/ACDV B65 or ENSL B70 with a minimum grade of 'C' or English Level 4
Description: Emphasizes developing arguments and strengthening critical thinking, organizing, and reading and writing skills relevant to college work through a thematic approach. Prepares students for English B1a.
Note: For courses that list ENGL B50 as a prerequisite, either ENGL B50 or ENGL B53 with a grade of 'C' or better may be used.
Hours: 72 lecture
CCS: Credit Course
Transferable: Not degree applicable. Not transferrable.

Fire Technology
FIRE B1 Fire Protection Organization
3 units
Description: Career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations offering the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. Field trips required.
Hours: 54 lecture
CCS: Credit Course
Transferable: CSU and private colleges

FIRE B4 Fire Behavior and Combustion
3 units
Prerequisites: FIRE B1 with a grade of 'C' or better.
Description: Theory and fundamentals of how and why fires start, spread and are controlled; an in-depth study of fire chemistry and physics, fire burning characteristics of materials, extinguishing agents, and fire control techniques.
Hours: 54 lecture
CCS: Credit Course
Transferable: CSU and private colleges

FIRE B5 Fire Prevention
3 units
Prerequisites: FIRE B1 with a grade of 'C' or better.
Description: Provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention systems, fire investigation and fire safety education.
Hours: 54 lecture
organizational culture, and organizational change and development. Accredited by the California Fire Service Training and Education System (C.F.S.T.E.S.) for Chief Officer Certification.

**FIRE B51B Fire Command 1A**

- **Units:** 2
- **Prerequisites:** FIRE B1 with a grade of ‘C’ or better.
- **Description:** This course provides an introduction to the principles of command, an overview of the concepts of command safety and the risk management process, preincident planning considerations, command considerations at structure fire incidents, Company Officer initial actions at an incident including the development of incident priorities, strategy, and tactics, information on the roles and responsibilities of a Company Officer for post-incident actions. Each student will have the opportunity to gain experience in a controlled environment through structure fire incident simulations.
- **Hours:** 38 lecture, 2 laboratory
- **CCS:** Credit Course
- **Transferable:** Associate Degree only. Not transferrable

**FIRE B51C Fire Command 1B**

- **Units:** 2
- **Prerequisites:** FIRE B51b with a grade of ‘C’ or better.
- **Description:** This class will provide information and knowledge in command and control techniques used at the scene of hazardous material incidents. Emphasizes acts of commanding, the authority or right to command, the personnel organization or area under incident commander and the performance requirements for Fire Service Officers.
- **Hours:** 38 lecture, 2 laboratory
- **CCS:** Credit Course
- **Transferable:** Associate Degree only. Not transferrable

**FIRE B51E Fire Prevention 1B**

- **Units:** 2
- **Recommended:** FIRE B51d with a grade of ‘C’ or better.
- **Description:** Basic fire prevention information for company officers so they may respond to a variety of fire prevention situations in a professional and effective manner. Meets NFPA 1031 Fire Inspection Professional Qualifications and California State Board of Fire Services Standards for Fire Prevention Officer 1B.
- **Hours:** 40 lecture
- **CCS:** Credit Course
- **Transferable:** Associate Degree only. Not transferrable

**FIRE B51L Fire Apparatus Driver Operator 1A**

- **Units:** 2
- **Prerequisite:** FIRE B62 or FIRE B63 with grades of ‘C’ or better and a California Class B driver’s license, fire fighter restricted.
- **Description:** This course provides the student with information on driver responsibilities, recognized standards, and related laws for fire apparatus reflecting current California Vehicle Code requirements and the 2009 NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. Topics include basic inspections, documentation, maintenance, and troubleshooting fire apparatus, and techniques on driving and positioning fire apparatus. Each student also has the opportunity to increase his or her driving skills during simulated driving conditions.
- **Hours:** 24 lecture, 16 laboratory
- **CCS:** Credit Course
- **Transferable:** Associate Degree only

**FIRE B62 Fire Fighter I Academy**

- **Units:** 11
- **Description:** Basic educational and practical training essential for Fire Fighter I. Advanced study of organizational procedures; forcible entry tools; protective breathing apparatus; emergency medical care; inspection procedures; fire protection equipment and systems; wildland fire control; fire behavior; and petroleum fire procedures.
- **Hours:** 144 lecture, 162 laboratory
- **CCS:** Credit Course
- **Transferable:** Associate Degree only. Not transferrable

**FIRE B66 Fire Fighting and Emergency Medical Skills**

- **Units:** 8
- **Prerequisites:** FIRE B62 or FIRE B63 with a grade of “C” or better.
- **Description:** Programs, workshops, seminars, and hose ladders, tools, salvage, chemistry, extinguisher and agents, fire control, prevention, arson, crowd and traffic control, manual aid, communications, fire and health safety, and emergency rescue techniques. Updates the skills of EMT 1-non-ambulance certificate holders as prescribed by law.
- **Hours:** 90 lecture, 162 laboratory
- **Repeat:** unlimited, legally mandated training
- **CCS:** Credit Course
- **Transferable:** Not degree applicable. Not transferrable

**FIRE B70E Hazardous Materials Tech/Spec 1B: Applied Chemistry**

- **Units:** 1
- **Description:** This course will review the basic terminology and theory of chemistry as it relates to hazardous materials incident management. Additional new content to include: hazard and risk management; behavior and effect of toxicant and the major biological systems affected by toxicant; as well as using monitoring equipment to detect hazardous atmospheres and unknown solids and liquids. Applies to Hazardous Materials Technician/Specialist I certification.
- **Hours:** 38 lecture, 2 laboratory
- **CCS:** Credit Course
- **Transferable:** Not degree applicable. Not transferrable

**FIRE B71B Seasonal Firefighter Basic Training 2**

- **Units:** 11
- **Prerequisites:** FIRE B71A with a grade of ‘C’ or better.
- **Description:** Manipulative and technical training in the identification and operation of wildland fire tools and equipment. Includes fire-line construction practices, physical fitness and water-handling equipment. Satisfies one-half of required training standards.
- **Hours:** 9 lecture, 27 laboratory
- **CCS:** Credit Course
- **Transferable:** Not degree applicable. Not transferrable

**FIRE B72H Emergency Medical Technician**

- **Units:** 7.5
- **Recommended:** FIRE B1 with a grade of ‘C’ or better.
- **Prerequisites:** Student must be 18 years of age by the completion date of the course.
- **Description:** Designed to prepare students for the national registry exam and certification as California State Emergency Medical Technicians and gain employment as a Firefighter or ambulance attendant or law enforcement officer. After successful completion of this course, students will be authorized to take the National Registry EMT examination. Topics discussed include pre-hospital care terminology, cardiovascular emergencies,
pre-hospital childbirth, communicable disease, extrication tools and equipment, automatic external defibrillator and an understanding of the emergency medical system. Course content is based on the guidelines and authority of Title 22, Division 9 of the California Code of Regulations, U.S. Department of Transportation, Emergency Medical Technician-Based Standard National Curriculum, National Registry EMT Examinations, US Department of Transportation, and National EMS Education Standards (HS 811 077A). Students must be 18 years of age and have a current CPR card. Students are responsible for paying any certification fees. Student may repeat this class.

**Hours:** 126 lecture, 27 laboratory
**Repeat:** Legally Mandated Training
**CCS:** Credit Course
**Transferable:** Associate Degree only. Not transferrable.

**FIRE B72l Emergency Medical Technician I Refresher**

1 unit

**Prerequisites:** FIRE B72H with a grade of 'C' or better.
**Description:** A review of material in Fire B72H with updates on EMT-1 issues and new material or skills techniques. An approved refresher course that follows state regulations and leads to a re-certification completion certificate. This course meets the requirements to continue practicing pre-hospital emergency care in the County of Kern.

**Hours:** 24 lecture
**Repeat:** Legally mandated training
**CCS:** Credit Course
**Transferable:** Not degree applicable. Not transferrable.

**Food Service**

**FDSV B64A Dietetic Service Supervisor Practicum**

2 units

**Recommended:** Reading - one level prior to transfer.
**Prerequisites:** NUTR B10 and NUTR B50 with grades of 'C' or better.
**Description:** Role and responsibilities of the Dietetic Service Supervisor in health care and community foodservice operations. Application of standards, principles and techniques of basic nutrition, modified diets, nutrition education, data gathering and patient/staff communications. Course provides 120 hours directed unpaid clinical work experience in an approved health care facility. (50 hours may be in a facility in which the student if employed). Field trips may be required.

**Hours:** 120 directed field work experience
**CCS:** Credit Course
**Transferable:** Associate Degree only. Not transferrable.

**History**

**HIST B30B History of Chicanos in the Southwest**

3 units

**Recommended:** Reading – one level prior to transfer and Writing – 2 levels prior to transfer.
**Description:** Survey of the Chicanos and the U.S. with an emphasis on the developments in California and the Southwest from 1848 to present: relationship of regions within the U.S. area, roles of major ethnic groups, continuity of American experience, derivation from other cultures, aftermath of the U.S. Mexican War, interrelationship of Mexican and U.S. history between 1860 and 1910, effects of Mexican Revolution on the 20th century experience of Chicanos, California State Constitution. Partially satisfies requirements in U.S. Constitution, American history and institutions.

Note: Not open to students who have taken the equivalent course.

**INDR B12 Introduction to Drafting and CAD**

2 units

**Description:** Introductory course dealing with conventional drafting methods and a computer aided drafting and design (CAD) program to obtain graphic solutions, design modifications, and delineations for industrial, architectural, and engineering drawings. Emphasizes basic drafting and CAD skills.

**Hours:** 18 lecture, 54 laboratory
**CCS:** Credit Course
**Transferable:** CSU and private colleges

**Industrial Technology**

**INDT B271 Special Problems in Welding**

2 units

**Prerequisites:** WELD B1a and WELD B1B and WELD B53a and WELD B74A and WELD B74B with grades of 'C' or better.
**Description:** Provides individual students the opportunity to explore various segments of welding such as various welding processes and codes, fabrication techniques, layout, and testing and preparation for certification. Development and implementation of meaningful, self-directed studies in areas where student desires specific technical and related skills development necessary for enrichment or employment.

**Hours:** 18 lecture hours for each unit (36-54)
**CCS:** Credit Course
**Transferable:** Not degree applicable. Not transferrable.

**INDT B272 Special Problems in Electronics**

2-3 units

**Prerequisites:** Completion of minimum of 9 units of electronics courses with a grade of 'C', or equivalent experience or evaluation by instructor. Completed Petition for Individual Study form.
**Description:** Provides individual students the opportunity to explore various segments of electronics. Development and implementation of meaningful, self-directed studies in areas where student desires specific technical and related skills development necessary for enrichment or employment.

**Hours:** 18 lecture hours for each unit (36-54)
**CCS:** Credit Course
**Transferable:** Not degree applicable. Not transferrable.

**INDT B273 Special Problems in Machine Tool Metal Working**

2-3 units

**Prerequisites:** Completion of minimum of 6 units of machine tool courses with a grade of 'C' or equivalent experience or evaluation by instructor. Completed Petition for Individual Study form.
**Description:** Provides individual students the opportunity to explore various segments of machine tool metal working. Development and implementation of meaningful, self-directed studies in areas where student desires specific technical and related skills development necessary for enrichment or employment.

**Hours:** 18 laboratory hours for each unit (36-54)
**CCS:** Credit Course
**Transferable:** Not degree applicable. Not transferrable.
INDT B274 Special Problems in Woodworking
2-3 units
Recommended: Concurrent enrollment in a woodworking technology related course or previous woodworking and/or cabinetmaking experience.
Description: Course is intended to provide students the ability to, on an independent study basis, the opportunity to explore various segments of the woodworking and cabinetmaking industry. The primary intent of this course is to develop and implement meaningful, self-directed studies in areas where the student desires specific technical and/or skill development.
Hours: 54 laboratory hours for each unit (108 – 162)
CCS: Credit Course
Transferable: Not degree applicable. Not transferrable.

INDT B275 Special Problems in Automotive Technology
2 units
Description: Provides the individual students the opportunity to explore various segments of automotive. Development and implementation of meaningful, self-directed studies in areas where the student desires specific technical and related skill development necessary for enrichment or employment.
Hours: 27 lecture, 27 laboratory
CCS: Credit Course
Transferable: Not degree applicable. Not transferrable.

Library
LIBR B55 Information Competency
0 unit
Description: Variety of hour-long workshops that assist students in gaining proficiency in all aspects of information competency. Workshop topics include research strategies, searching the online catalog for books, finding periodical articles online, using advanced techniques with Internet searching, evaluating Internet resources, evaluating print resources, and examining ethics in research (plagiarism, fair use, and copyright).
Hours: 1 lecture
CCS: Credit Course
Transferable: Not degree applicable. Not transferrable.

Mathematics
MATH BA Elementary Algebra
5 units
Recommended: Reading - 1 level prior to transfer.
Prerequisite: MATH B50 with a grade of C or better or equivalent pre-algebra course with a grade of “C” or better or qualifying score on placement assessment.
Description: Fundamental concepts and mathematical processes, first degree equations, special products and factoring, fractions and fractional equations, ratios, proportions, radicals, exponents, graphs, simultaneous linear equations, quadratic equations.
Hours: 90 lecture
CCS: Credit Course
Transferable: Not degree applicable. Not transferrable

MATH BD Intermediate Algebra
5 units
Recommended: Reading - 1 level prior to transfer.
Prerequisite: MATH BA with a grade of C or better or one year of high school algebra or equivalent with a grade of “C”.
Description: Sets and operations, signed numbers, factoring, linear equations, simple and complex fractions, functional notation, simple graphs, exponents and radicals, quadratic equations, the conics, variation, determinants, logarithms, exponential equations, sequences and series and the binomial expansion.
Hours: 90 lecture
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

MATH B1A Precalculus I
4 units
Prerequisites: MATH BD/MATH B70 with a grade of “C” of better.
Description: Preparation for calculus; the algebraic and graphical analysis of polynomial, rational, logarithmic and exponential functions and their applications; systems of linear and nonlinear equations, graphing, inequalities, absolute value, and complex numbers.
Hours: 72 lecture
CCS: Credit Course
Transferable: UC, CSU and private colleges

MATH B1B Precalculus II
4 units
Prerequisites: MATH B1a with a grade of ‘C’ or better.
Description: Definitions of trigonometric functions, graphs of trigonometric functions, use of trigonometric functions in problem solving, derivation of trigonometric identities, verification of trigonometric identities, solution of conditional trigonometric equations, study of inverse trigonometric functions, trigonometric form of complex numbers andDeMoivre’s Theorem; analytic geometry, mathematical induction, and introduction to sequences and series.
Hours: 72 lecture
CCS: Credit Course
Transferable: UC, CSU and private colleges

Medical Science
MEDS B52 Basic Life Support for Healthcare Providers
0.5 unit
Description: An initial and retraining course in Basic Life Support that provides basic knowledge and skills of Basic Life Support and AED use for victims of all ages. Skills learned will enable students to recognize emergencies and how to respond to them.
At the end of the course, the successful student will qualify for an American Heart Association Healthcare Provider BLS card.
Repeat: legally mandated training
Hours: 9 lecture
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

Music
MUSC B13A Jazz Ensemble
1 unit
Recommended: Reading - one level prior to transfer.
Prerequisites: Audition.
Description: Practical experience working in various instrumental combinations and styles in the jazz tradition. Training in jazz literature, phrasing, ensemble playing, musicality, and creative improvisation leading to public performances on and off campus.
Hours: 54 laboratory
Repeat: 3
CCS: Credit Course
Transferable: UC, CSU and private colleges
**MUSC B15B Ear Training and Sight Singing**  
3 units  
**Prerequisites:** MUSC B15A with a grade of 'C' or better.  
Corequisite: Concurrent enrollment in MUSC B4b and MUSC B230B.  
**Description:** This course applies and develops the rhythmic, melodic, and harmonic materials of MUSC B4B Elementary Theory through ear training, sight singing, analysis, and dictation.  
**Hours:** 54 laboratory  
**CCS:** Credit Course  
**Transferable:** UC, CSU and private colleges

**Natural Resource Management**  
**NRES B1 Range Management**  
3 units  
**Recommended:** Reading - one level prior to transfer; Writing - 1 Level Prior to Transfer; Mathematics - 1 Level Prior to Transfer.  
**Description:** Basic range management and improvement practices. Proper utilization of rangeland resources. Overview of multiple use principles. Maintenance and improvement of range plant communities. Field trips required.  
**Hours:** 36 lecture, 54 laboratory  
**CCS:** Credit Course  
**Transferable:** CSU and private colleges

**Nutrition**  
**NUTR B10 Elementary Nutrition**  
3 units  
**Recommended:** Reading and writing - one level prior to transfer.  
**Description:** Basic concepts and principles of nutrition with application to current nutrition issues. Emphasizes improvement of personal health through proper eating habits.  
**Hours:** 54 lecture  
**CCS:** Credit Course  
**Transferable:** UC, CSU and private colleges

**Ornamental Horticulture**  
**ORNH B4 Plant Propagation**  
3 units  
**Recommended:** Reading and writing - one level prior to transfer.  
**Description:** Principles of sexual propagation, seedage, and asexual propagation, budding, grafting, cuttings, layering, division and separation. Principles of tissue culture.  
**Hours:** 36 lecture, 54 laboratory  
**CCS:** Credit Course  
**Transferable:** CSU and private colleges

**Physical Education**  
**PHED B36 First Aid and CPR**  
3 units  
**Recommended:** Reading - one level prior to transfer.  
**Description:** This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim’s condition and incorporate proper treatment. Standard first aid, CPR and AED certification(s) will be granted upon successful completion of requirements.  
**Hours:** 54 lecture  
**CCS:** Credit Course  
**Transferable:** UC, CSU and private colleges

**PHED B50 Intercollegiate Conditioning**  
1 unit  
**Description:** Pre-season intercollegiate athletics. Enrollment is limited to athletic team candidates and includes, sport specific aerobic and anaerobic conditioning, drill technique, strength conditioning, speed development and game play. Students who repeat this course will improve skills and fitness through further instruction and practice.  
**Hours:** 54 activity  
**Repeat:** 3  
**CCS:** Credit Course  
**Transferable:** Not degree applicable. Not transferrable.

**Physics**  
**PHYS B2A General Physics-Mechanics and Heat**  
4 units  
**Prerequisites:** MATH B1B and PHYS B2a with a grade of 'C' or better.  
**Corequisites:** MATH B1B.  
**Description:** The properties of matter, mechanics and heat. Emphasizes understanding laws, principles, and theories. Required for most science, premedical, most other pre-professional and technical majors.  
**Hours:** 54 lecture, 54 laboratory  
**CCS:** Credit Course  
**Transferable:** UC, CSU and private colleges

**PHYS B2B General Physics-Sound, Light, Electricity, Magnetism, Modern Physics**  
4 units  
**Prerequisites:** MATH B1B and PHYS B2a with a grade of 'C' or better.  
**Description:** The second in a 2-course algebra/trigonometry-based general physics sequence required of many science, premedical, and other pre-professional and technical majors. Includes electricity and magnetism, geometrical and physical optics, quantum physics, atomic physics, nuclear physics, and relativity. Emphasizes principles, laws, and problem solving.  
**Hours:** 54 lecture, 54 laboratory  
**CCS:** Credit Course  
**Transferable:** UC, CSU and private colleges

**PHYS B4A Mechanics and Wave Motion**  
4 units  
**Recommended:** Reading - one level prior to transfer.  
**Prerequisites:** MATH B6a with a grade of 'C' or better.  
**Description:** The first in a sequence of three semester courses required of physics, engineering, and other majors requiring a thorough physics background. Includes vectors, kinematics, dynamics, momentum, energy, rotation, gravitation, oscillations, fluids, and wave motion.  
**Hours:** 54 lecture, 54 laboratory  
**CCS:** Credit Course  
**Transferable:** UC, CSU and private colleges

**PHYS B4B Heat, Electricity, and Magnetism**  
4 units  
**Recommended:** MATH B6c.  
**Prerequisites:** PHYS B4A and MATH B6b with grades of 'C' or better.  
**Description:** Second of a three-course calculus-based physics sequence required of physics, engineering, and other majors requiring a thorough physics background. Includes thermodynamics, electricity, magnetism, AC circuits, electromagnetic oscillations, and electromagnetic radiation. Emphasizes principles, laws and problem-solving.
**SPAN B35 Spanish for Heritage Speakers I**
**4 units**
**Prerequisite:** SPAN B34 with a grade of ‘C’ or better.
**Description:** This course is a continuation of Spanish B34 and is designed for students whose native language is Spanish but need to improve their academic skills in the language. This course will focus on advanced grammar concepts, subjunctive tenses, sequence of tenses, extensive writing and reading. The writing and reading skills will be strengthened as well as vocabulary building. The course is taught entirely in Spanish.
**Hours:** 72 lecture
**Transferable:** UC, CSU and private colleges

**SPAN B36 Spanish for Heritage Speakers II**
**4 units**
**Prerequisite:** SPAN B35 with a grade of ‘C’ or better.
**Description:** This course is a continuation of Spanish B35 and is designed for students whose native language is Spanish but need to improve their academic skills in the language. This course will focus on advanced grammar concepts, subjunctive tenses, sequence of tenses, extensive writing and reading. The writing and reading skills will be strengthened as well as vocabulary building. The course is taught entirely in Spanish.
**Hours:** 72 lecture
**Transferable:** UC, CSU and private colleges

**THEA B28 Technical Theatre Laboratory**
**1 unit**
**Recommended:** Reading - one level prior to transfer.
**Description:** Participation in set construction, lighting, makeup, costume, properties, or any other technical area of theatrical productions.
**Hours:** 54 laboratory
**Repeat:** 3
**Transferable:** UC, CSU and private colleges

**VNRS B67 Principles of Pharmacology**
**2 units**
**Corequisites:** VNRS B66 and VNRS B69 and VNRS B69L and appropriate standing in the Vocational Nursing Program.
**Description:** This course is designed to prepare the vocational nurse to function safely when administering medication. Using the nursing process as the framework, concepts of pharmacology, calculations, and nursing considerations that pertain to the safe administration of medication are presented.
**Hours:** 36 lecture
**Transferable:** Associate Degree only. Not transferrable.
Welding

WELD B53B Shielded Metal Arc Welding 2
2 units
Recommended: WELD B1a, WELD B1b, and Reading - one level prior to transfer
Description: Basic arc welding theory and manipulative skills related to the shielded metal are welding process, including welding in all positions with various electrodes.

VNRS B69 Foundations for Vocational Nursing Practice
3 units
Corequisites: VNRS B67 and VNRS B68 and VNRS B69L and appropriate standing in the Vocational Nursing Program.
Description: This Vocational Nursing theory course begins with an introduction to the roles of the vocational nurse and provides a foundation of basic nursing arts and sciences necessary for the practice of nursing including concepts specific to the gerontological client. Using the nursing process as a framework, concepts of professionalism, growth and development, safety, and health concerns for the adult and geriatric population are discussed. Legal and ethical considerations, cultural diversity, the nursing process, and basic data collection are included as theory topics along with the presentation of basic mental health concepts applicable to the geriatric client. Fundamental nursing skills are discussed in detail with concurrent hands-on practice of skills.
Hours: 54 lecture
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

VNRS B69L Foundations for Vocational Nursing Practice Lab
6 units
Corequisites: VNRS B67 and VNRS B68 and VNRS B69 and appropriate standing in the Vocational Nursing Program.
Description: This Vocational Nursing laboratory course focuses on the provider of care role of the vocational nurse in assisting the adult and geriatric patient to meet essential activities of daily living. A beginning knowledge of nursing techniques and medication administration with an understanding of the principles, rationales, and procedures for each technique is emphasized. Using the nursing process as a framework, students will provide basic care for adult and geriatric patients with various uncomplicated diseases and disorders who require nursing intervention to meet basic human needs. Basic communication techniques for the adult and geriatric client with mental health disorders are integrated throughout. This clinical course includes experiences primarily in long term care clinical settings.
Hours: 324 laboratory
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

WELD B55A Structural Plate Certification I
2 units
Recommended: WELD B53a with a grade of "C" or better.
Prerequisite: WELD B55a or WELD B55b with a grade of "C" or better.
Description: Safety, introduction to welding codes, welding discontinuities and practical welding. Experience on plate with SMAW or FCAW, based on the American Welding Society DI. 1 structural code. Weld 3/8” plate in 1G, 2G, 3G, & 4G fixed position for certification.
Hours: 27 lecture, 27 laboratory
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

WELD B55B Structural Plate Certification II
2 units
Recommended: Reading - one level prior to transfer.
Prerequisite: WELD B55a with a grade of "C" or better.
Description: Safety, introduction to welding codes, welding discontinuities and practical welding. Experience on plate with SMAW or FCAW, based on the American Welding Society DI. 1 structural code. Weld 1” plate in 1G, 2G, 3G, & 4G fixed position for certification.
Hours: 27 lecture, 27 laboratory
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

WELD B55C ASME Pipe Certification
2 units
Recommended: Reading - one level prior to transfer.
Prerequisites: WELD B55a or WELD B55b with a grade of “C” or better OR evaluation of students’ welding skills and knowledge.
Description: Safety, welding pipe in the 5G rolled, 5G fixed and 6G fixed positions. An examination of the ASME Welding Code will also be covered.
Hours: 27 lecture, 27 laboratory
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

WELD B55D ASME Pipe Certification
2 units
Recommended: Reading - one level prior to transfer.
Prerequisite: WELD B55a or WELD B55b with a grade of “C” or better OR evaluation of students’ welding skills and knowledge.
Description: Safety, welding pipe in the 5G rolled, 5G fixed, and 6G fixed positions. An examination of the ASME Welding Code will also be covered. 5G rolled, 5G fixed, and 6G fixed positions. An examination of the ASME Welding Code will also be covered.
Hours: 27 lecture, 27 laboratory
CCS: Credit Course


**WELD B55E API and Related Certification Testing**

2 units

Recommended: Reading - one level prior to transfer.

Prerequisites: WELD B55c or WELD B55d with grades of “C” or better or OR evaluation of students’ skills and knowledge equivalent to WELD B55c and WELD B55d.

Description: Safety, and welding pipe in 5G rolled, 5G fixed and 6G fixed positions. The API 1104 pipe welding code will also be covered. This course prepares students for certification testing.

Hours: 27 lecture, 27 laboratory

CCS: Credit Course

Transferable: Associate Degree only. Not transferrable.

**WELD B55F API and Related Certification Testing**

2 units

Recommended: Reading - one level prior to transfer.

Prerequisites: WELD B55c and WELD B55d with grades of “C” or better or OR evaluation of student’s welding skills and knowledge equivalent to WELD B55a and WELD B55b.

Description: Welding safety, and welding pipe in the 5G rolled, 5G fixed, and 6G positions. The API 1104 pipe welding code will also be covered.

Hours: 27 lecture, 27 laboratory

CCS: Credit Course

Transferable: Associate Degree only. Not transferrable.

**WELD B65AB Welded Steel Structures**

3 units

Recommended: Reading Level 5 or 6. Previous class or experience in oxy-fuel cutting, shielded metal arc welding, and gas metal arc welding is also recommended.

Description: Introduction to welded metal fabrication. Safety related to welding and fabrication tools and equipment. Emphasizes layout, cutting, shaping, forming and welding structures together. Calculating material and labor costs will be covered as well.

Hours: 54 lecture, 54 laboratory

CCS: Credit Course

Transferable: Associate Degree only. Not transferrable.

**WELD B74A Introduction to GMAW (Gas Metal Arc Welding) and FCAW (Flux Core Arc Welding)**

2 units

Recommended: Reading - one level prior to transfer and WELD B1B or WELD B53A with a grade of “C” or better or one year work experience as a welder.

Description: Theory and application of GMAW (Gas Metal Arc Welding) and FCAW (Flux Core Arc Welding) welding processes. Emphasizes safe and proper operation of these welding processes while welding on mild steel.

Materials Fee: $25.00 will apply towards steel, welding rods, project: welding resume for industry AWS certification.

Hours: 27 lecture, 27 laboratory

CCS: Credit Course

Transferable: Associate Degree only. Not transferrable.

**WELD B81 Introduction to Welding and Cutting**

2 units

Prerequisites: Enrollment in C6 grant tract. Students will complete a C6 Orientation, and enroll in a cohort based program of 6 classes.

Description: Properties and characteristics of metals. Safety, theory, and practical experience in oxy-acetylene cutting, plasma arc cutting, gas metal arc welding, flux cored arc welding, shielded metal arc welding, and use of shear and brake.

Hours: 27 lecture, 27 laboratory

CCS: Credit Course

Transferable: Not degree applicable. Not transferrable.

**Work Experience**

Registration Instructions: The Work Experience Program offers variable unit classes. Students desiring to enroll in a Work Experience class must go online to the Bakersfield College website, select Program and Classes, click on Work Experience and begin the application process. The six (6) step process must be completed to ensure enrollment in the course. It is the responsibility of the student to complete all the steps in the application process. For more information, please contact the Work Experience Office at (661) 395-4580.

**WEXP B248 Occupational Work Experience Education - Paid**

1-8 units

Prerequisites: Declared major or occupational goal and evaluation of student’s qualifications and objectives.

Description: College credit for learning experiences obtained on the job in accordance with a training plan developed cooperatively between the employer, college, and student.

Hours: 60 - 600

Repeat: 3

CCS: Credit Course

Transferable: CSU and private colleges

**WEXP B248 Occupational Work Experience Education - Unpaid**

1-8 units

Prerequisites: Declared major or occupational goal and evaluation by Work Experience department of student’s qualifications and objectives.

Description: College credit for learning experiences obtained on the job in accordance with a training plan developed cooperatively between the employer, college, and student.

Hours: Unpaid 60 hours per unit (60 - 480)

Repeat: 3

CCS: Credit Course

Transferable: CSU and private colleges

**WEXP B249 Cooperative Work Experience Education**

1-4 units

Prerequisites: Declared major or occupational goal, concurrent enrollment in seven or more units (including CWEE units, except summer school) and evaluation of student’s qualifications and objectives.

Description: College credit for learning experiences obtained on
WEXP B250 General Work Experience Education - Unpaid
1-3 units
Prerequisites: (a) Pursue a planned work experience program, (b) concurrent enrollment in seven or more units (including GWE units) except summer school, (c) evaluation by Work Experience department of students planned work experience program, qualifications and objectives.
Description: Offers students an opportunity to combine a planned occupational program with progressive on-the-job experience (OJT) and practical learning experience in the world of work.
Hours: Unpaid 60 hours per unit (60 – 180)
Repeat: None
CCS: Credit Course
Transferable: CSU and private colleges

WEXP B249 Cooperative Work Experience Education - Unpaid
1-4 units
Prerequisites: Declared major or occupational goal, concurrent enrollment in seven or more units (including CWEE units, except summer school) and evaluation by Work Experience department of student's qualifications and objectives.
Description: College credit for learning experiences obtained on the job in accordance with a training plan developed cooperatively between employer, college and student.
Hours: Unpaid 60 hours per unit (60 – 240)
Repeat: 3
CCS: Credit Course
Transferable: CSU and private colleges

WEXP B249 Cooperative Work Experience Education - Paid
1-4 units
Prerequisites: Declared major or occupational goal, concurrent enrollment in seven or more units (including CWEE units, except summer school) and evaluation by Work Experience department of student's qualifications and objectives.
Description: College credit for learning experiences obtained on the job in accordance with a training plan developed cooperatively between employer, college and student.
Hours: Paid 75 hours per unit (75 – 300)
Repeat: 3
CCS: Credit Course
Transferable: CSU and private colleges

WEXP B250 General Work Experience Education
1-3 units
Prerequisites: (a) pursue a planned work experience program (b) concurrent enrollment in seven or more units (including GWE units) except summer school, (c) evaluation of students planned work experience program, qualifications, and objectives.
Description: Offers students an opportunity to combine a planned occupational program with progressive on-the-job experience in the world of work.
Hours: 60 - 225
Repeat: None
CCS: Credit Course
Transferable: Associate Degree only. Not transferrable.

WEXP B250 General Work Experience Education - Paid
1-3 units
Prerequisites: (a) Pursue a planned work experience program, (b) concurrent enrollment in seven or more units (including GWE units) except summer school, (c) evaluation by Work Experience department of students planned work experience program, qualifications and objectives.
Description: Offers students an opportunity to combine a planned occupational program with progressive on-the-job experience (OJT) and practical learning experience in the world of work.
Hours: Paid 75 hours per unit (75 – 225)
Repeat: None
CCS: Credit Course
Transferable: CSU and private colleges

Courses That Are No Longer Offered
ACDV B290 Adaptive Computer Access/Disabled
ACDV B292 Spelling
ANTH B21 Special Projects/Anthropology
ART B2A Basic Drawing
ART B2AB Basic Drawing
ART B2B Basic Drawing
ART B13C Printmaking: Intaglio/Monoprint
ART B13CD Beginning Printmaking: Intaglio/Monoprint
ART B13D Printmaking: Intaglio/Monoprint
ART B15A Advertising Graphics
ART B15C Advertising Graphics
AUTO B50b* Diesel and Heavy Equipment Technician Training
AUTO B50b* Diesel and Heavy Equipment Technician Training (*note: AUTO B50b is an active course)
AUTO B67ABC Motor Sports Dynamics/Technical Preparation
CHDV B70Z Continuing Professional Development
CHST B30E Art of Latin America
COMM B49A Communication Ambassadors
ENGR B19F Computer Programming: Fortran
ENGL B1 Introductory Composition
ENSL B61N Basic Reading and Vocabulary
ENSL B71A Basic Listening and Speaking I
ENSL B71AN Basic Listening and Speaking I
ENSL B71CN Basic Listening and Speaking I
ENSL B80 Preparation for Academic Writing
ENSL B80N Preparation for Academic Writing
FDSV B56 Special Projects
HIST B3 Modern Global Societies
MATH B255 Math Problem Solving
NURS B21V Clinical Lab Experience
NURS B3LV Clinical Laboratory Experience
NURS B31 Basic Pharmacology
NURS B50 Advanced Pharmacology
PHED B3ADS Adaptive Physical Education: Swimming
PHED B6Y Coeducational and Individual Activity: Yoga
SMBS B73 Establishing an Advertising Budget
VRNS B31a* Basic Pharmacology
VRNS B31b* Medication Calculations (*note: VNRS B31ab is an active course)
VRNS B50a Advanced Pharmacology, Part A
VRNS B54 Cardiovascular Nursing
VRNS B56 Gastrointestinal Nursing and Nutrition
VRNS B57 Respiratory Nursing
VRNS B58 Endocrine Nursing
VRNS B60 Musculoskeletal Nursing
VRNS B61 Genitourinary Nursing
VNRS B62 Neurosensory Nursing
VNRS B63 Integumentary Nursing
WELD B55CD* ASME Pipe Certification (*note: WELD B55C and WELD B55D are active courses)
WELD B55EF* API/Related Certification Testing (*note: WELD B55E and WELD B55F are active courses)
WELD B65A Welded Steel Structures*
WELD B65B Welded Steel Structures* (*note: WELD B65AB is an active course)