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ADDENDUM

Columbia Basin College
2009-11



General Information

Transfer Evaluation Policy and Procedure

(NEW TITLE - - replaces "Transfer Policy") (page 13)

Columbia Basin College subscribes to the statewide policy on Inter-Collegiate Transfer and Articulation, as endorsed by the public and private colleges and universities of Washington and the State Board for Community and Technical Colleges and adopted by the Higher Education Coordinating Board. The policy addresses the rights and responsibilities of students and the process for review and appeal in transfer credit disputes.

- All credits are subject to approval by the Transcript Department based on credit equivalency, applicability to the degree or certificate, and the transfer institution's accreditation. The college reserves the right to accept or reject credits earned at other institutions.
- In general, it is college policy to accept credits transferred from regionally accredited institutions, provided the credit is essentially equivalent in academic level and nature to courses offered at Columbia Basin College. Credits earned at institutions during their candidacy for accreditation by a regional accrediting association are accepted if accreditation was granted three years subsequent to the candidacy. Credits earned while an institution was not in candidacy or accredited will not be accepted.
- Prior to evaluating transfer credits, students must submit a completed Application for Admission and pay the Admissions Application Fee. The evaluation will be completed when all official transcripts have been received by the Transcript Department. A transcript is official if it is sent directly from the sending institution to CBC. Official transcripts can be sent via electronic transmission directly to CBC from any community college in the State of Washington. A transcript may be hand delivered to CBC only if it is sealed in an official envelope from the sending institution. Transcripts are evaluated based on the order in which they are received and are usually completed within eight weeks of receiving all official transcripts.
- When the evaluation has been completed, students will be mailed a Worksheet for Evaluation of Transfer Credit showing a course-by-course equivalency and the total number of credits accepted. The evaluation is specific to the student's program of study. A lower-division degree-applicable course (usually numbered 100-200) is generally accepted. An upper-division course (usually numbered 300-400) is not accepted unless equivalent in content, credits and prerequisite to a CBC 100-200 level course.
- A maximum of two-thirds of the total applicable credits required for any CBC degree or certificate may be met with credits transferred from other institutions.
- Credits and grades transferred to CBC from other colleges and universities are included in the calculation of the overall degree GPA. Transfer courses accepted by the Evaluations Office are recorded in the Student Management System but CBC's official transcript will show only the name of the transfer institution, credits earned and GPA. Students must earn a minimum combined cumulative grade point average of 2.0 or above in all college-level courses taken at Columbia Basin College and transferred from other institutions to graduate.
- Currently enrolled students are assigned registration times based on cumulative credit hours earned at Columbia Basin College or a maximum of 60 quarter transfer credits officially evaluated by the Transcript Department.
- International transcripts must be translated and evaluated by a current member of NACES®. Students may contact the Evaluations Office for a list of recognized international transcript evaluation agencies.
- If students wish clarification on an evaluation determination, they are encouraged to contact the Transcript Department. It is recommended that students make an individual appointment with a CBC advisor to review how transfer credits will apply to a CBC degree or certificate. An unofficial transcript can be used for advising purposes until an official evaluation is completed. For more detailed information on the transfer evaluation process, contact the Transcript Department.

Registration (page 16)

Registration precedes the beginning of each quarter. Students are not allowed to attend a class unless they are officially registered for those classes. The registration process includes selection of classes, enrollment, and payment of tuition and fees. You will find detailed instructions and procedures in the quarterly class schedule.

Registration Procedures

(NEW SECTION)

After completing the admissions process, registration times are assigned on a first-come, first-served basis. Early application for admission is strongly encouraged. Currently enrolled students are assigned registration times based on cumulative credit hours earned at Columbia Basin College and/or a maximum of 60 quarter transfer credits officially evaluated by the Transcript Department. Any degree-seeking student or any student wishing to register for a math or English course or a course with a math or English prerequisite must complete a COMPASS assessment. Contact the Assessment Center to schedule an appointment. Transfer students who have completed math and/or English from an accredited college will not be required to complete ASSET/COMPASS, provided an official college transcript is submitted that documents the attainment of the necessary prerequisites.

Academic Policies

Course Repeat Policy

(REPLACE) (page 19)

Courses at CBC may be repeated to improve the grade earned. A grade identifier of "R" will be posted next to the lowest graded course on the permanent transcript and the grade point average will exclude any course that has a repeat grade identifier. Credit is given only once and the highest grade earned is used to compute the GPA. Repeated courses must be equivalent in credit and content and all courses and earned grades will remain on the academic transcript. Students receiving financial aid or veterans benefits should consult the respective office prior to repeating a course as financial penalties may be imposed. Other colleges and universities may include repeated course grades in their eligibility for admissions and/or graduation. Courses repeated more than three times are subject to all instructional costs that are equivalent to nonresident tuition.

To request a course repeat, students must complete and submit to the Admissions and Registration Office the Repeated Course Request form found online at http://www.columbiabasin.edu/docs/repeated_class_request_form.pdf

A student who takes a course at Columbia Basin College and subsequently repeats the course at another fully accredited college or university shall be granted a repeat, upon request, for that course with the following conditions:

- The student must be enrolled at Columbia Basin College
- The course must be evaluated by CBC and verified as substantially equivalent in credit and content
- All courses and earned grades will remain on the transcript. A repeat identifier will appear on the CBC transcript and the original grade will be removed from the GPA
- A notation will be entered on the CBC transcript indicating the course was repeated via transfer

Exceptions to the Course Repeat Policy must be submitted for consideration to the Admissions/Graduation Committee. Contact the Registrar's Office for further information.

Course Challenge Policy and Procedure

(REPLACE) (page 21)

Certain courses at Columbia Basin College may be challenged for credit through the process of a departmental challenge examination. Individual departments will determine which, if any, of their courses may be challenged. Contact Admissions and Registration to obtain an application and procedure instructions for credit by examination. The general guidelines for a course challenge are:

- The student must be enrolled at Columbia Basin College during the term the course is challenged.
- If the student is enrolled in the course, it must be challenged within the first week of the course. If the challenge is successful, it is the student's responsibility to drop the course on or before the 100% refund deadline.
- The course being challenged must be offered during the term in which it is being challenged unless otherwise specified by the department policy.
- The student has never received college credit(s) for the course or for one similar to the course being challenged.
- A course may only be challenged once.
- An examination fee per credit (non-refundable) must be paid prior to the examination (contact cashier).
- Only full-time Columbia Basin College instructors or adjunct instructors with permission of department lead or division dean can administer challenge examinations: in the Math/Science division, lab courses cannot be challenged.
- Challenge examinations can be given any time before grades are due at the end of the quarter, except as noted.
- Credit(s) and grade earned will be recorded on the transcript

Standards of Academic Progress and Performance

(REPLACE) (page 20)

A student's enrollment at Columbia Basin College is a partnership among the student, the College, and the State of Washington. Columbia Basin College has a responsibility to each student, but also to the state that helps fund each student's college education, to develop standards of academic progress and performance. The College utilizes various resources and support programs to assist students toward successful academic performance and program completion:

- The College provides detailed information about degree and certificate requirements and the College's Standards of Academic Progress and Performance at mandatory advising, registration, and orientation programs for new degree and certificate seeking students.
- The College monitors student progress and academic performance throughout enrollment and intervenes when expectations are not being met.

Columbia Basin College does not intend to discourage or penalize students who are sincerely trying to make good use of the College's resources. Nevertheless, there may be instances when the College may determine that a student is not benefiting from continued enrollment. In such cases, the College may take steps to do either of the following:

- Limit or deny future enrollment to that student
- Allow continued enrollment but limit state funding support

Academic Progress Policy

In order to assist students in the timely completion of degrees and certificates, Columbia Basin College monitors student progress at pivotal stages of his/her enrollment.

As they begin their studies at CBC, students are provided detailed information about degree and certificate requirements. During the mandatory transition workshop (FYI: First Year Introduction) for all new degree- and certificate-seeking students, students develop an educational plan that maps out a strategy to meet degree or certificate requirements. At various times, counselors, advisors, or educational planners may advise students to adjust their educational plans as necessary in order to complete their degrees or certificates within a reasonable time.

In the unusual case where a student has earned more than 125 percent of the credits required for degree or certificate completion and has not yet completed a graduation application, CBC may require advisor or counselor approval in selecting courses to ensure relevance to his/her educational program plan.

Academic Performance Policy

Columbia Basin College's Academic Performance Policy includes both grade performance and credit completion components. Students in a degree or certificate program must maintain a minimum cumulative, college-level grade point average (CLVL) of 2.0. Additionally, excessive withdrawals from classes are problematic as they delay students' completion and decrease the College's ability to efficiently manage class enrollment.

Early Warning Signs of Academic Difficulty

Students are strongly encouraged to seek advice from a counselor, advisor, or educational planner as well as use College resources when they first begin to show signs of academic difficulty. These signs include, but are not limited to:

- Failing FYI
- Class instructor concerns about their academic performance
- Students' own acknowledgement they are not understanding class material or doing well in their coursework
- Quarterly GPA < 2.0

Academic Sanctions

Students who have a **cumulative**, college-level GPA (CLVL) below 2.0 will be placed on academic probation that could progress to academic dismissal if subsequent academic performance does not improve. CBC may block students' ability to register for future classes until they have met specific intervention requirements. When students improve their CLVL to 2.0 or higher, they will be removed from unsatisfactory performance status. However, the College reserves the right to continue to monitor student progress and performance as it deems appropriate. (Please refer to "Academic Monitoring.")

Probation - This sanction applies to the first quarter a student receives a **cumulative**, college-level GPA (CLVL) below 2.0. A block will be placed on the student's ability to register until the student has successfully completed the online **Distress to Success** workshop. For further information, contact the Counseling and Advising Center.

Subject to Dismissal - This sanction applies to the second consecutive quarter a student receives a **cumulative**, college-level GPA below 2.0. The student will receive a warning letter that the next academic sanction is academic dismissal. The student is very strongly encouraged to meet with a counselor so that s/he can begin to address whatever issues or barriers may be impeding his/her academic success.

Academic Dismissal - CBC will academically dismiss the student after the third consecutive quarter the student receives a **cumulative**, college-level GPA (CLVL) below 2.0. The normal duration for dismissal is four consecutive quarters, including summer quarter. During Academic Dismissal, the student may not register for any classes and may not participate in any events or activities reserved for students.

- If a student wishes to return earlier than the four quarter sanction, s/he may do so by successfully completing CBC's **Academic CPR** workshop. Workshops are offered each quarter. After successful completion of the workshop, a student may return to CBC the subsequent quarter. Contact the Counseling and Advising Center for further information.

- If a student chooses not to complete the **Academic CPR** workshop, s/he will be required to sit out for four consecutive quarters before s/he can request to return to CBC by submitting a "Petition for Reinstatement after Academic Dismissal" form to the Vice President for Student Services no later than 90 calendar days prior to the quarter in which s/he wishes. The student will be scheduled to meet with a Reinstatement Committee who will decide if the student will be allowed to be re-admitted to CBC. Contact the Vice President for Student Services for further information.

Conditional Enrollment

Students reinstated after successfully completing the **Academic CPR** workshop or through the Reinstatement Committee will be placed on conditional enrollment status. They must maintain a minimum 2.0 college-level **quarterly** GPA. Those who do not fulfill the performance standards while on conditional enrollment status may continue to attend CBC, but will be assessed a financial penalty due to continued unsatisfactory performance. At this point no further state funds will be used to support their education.

Appeal of Academic Dismissal

A student may appeal the academic dismissal based on extraordinary circumstances that affected his/her performance during the quarter leading to the academic dismissal. The student must submit an "Appeal of Academic Dismissal" form to the Vice President for Student Services no later than 30 calendar days from the date of the dismissal. Documentation to support a statement of extenuating circumstances is required. The Vice President may request a meeting with the student prior to making a decision.

- If the appeal is granted, the student will be allowed to register at the start of the next quarter. Students who fail to maintain the academic standards for conditional enrollment (above) will be academically dismissed for a period of one year without the right to a second appeal.
- If the appeal is not granted, the student will not be allowed to re-enroll at CBC until either successfully completing an **Academic CPR** workshop or sitting out for four consecutive quarters and petitioning for reinstatement (See "Academic Dismissal" above). Contact the Counseling and Advising Center for further information.

Academic Monitoring

A student who has previously been academically dismissed may be considered at-risk even when s/he is able to bring his/her cumulative, college-level GPA (CLVL) to a minimum of 2.0. In such cases, a student may be required to continue working with a counselor.

Graduation Requirements

Application for Graduation

(REPLACE) (page 27)

Candidates for degrees, certificates, and diplomas should meet with their Counselor, Educational Planner, or program advisor at least two quarters prior to the anticipated completion date. During the last quarter in which all requirements are being completed, students must formally apply for graduation.

Graduation applications for all transfer degrees are available from a Counselor or Educational Planner in the Counseling and Advising Center. Graduation applications for the Associate in Applied Science degrees and certificates are available from program department advisors. Students may graduate at the end of any quarter. To be approved for graduation, a student must:

- Complete all degree/certificate program requirements and comply with the requirements of the College catalog (see Catalog Option section).
- Complete at least one-third of the credits required for a degree or certificate in residence at Columbia Basin College.
- Earn a cumulative GPA of 2.00 or better in all courses applied to a degree or certificate, including credits transferred from other colleges.
- Earn a minimum cumulative grade point average of 2.00 or above in all college-level courses taken at Columbia Basin College.
- Earn a minimum combined cumulative grade point average of 2.00 or above in all college-level courses taken at Columbia Basin College and transferred from other colleges.

DEGREE CHANGE – Page 32

ASSOCIATE IN ARTS & SCIENCES (AA) DEGREE (DTA) REQUIREMENTS**A. COMMUNICATIONS (13 credits)**

Communications: (10 credits in English plus a minimum of 3 credits in Communication Studies)

ENGL& 101;
ENGL& 102 **or** ENGL& 235;
CMST& 210, 220, **or** CMST 101, 110, **or** 260;

MATH PROFICIENCY

Intermediate Algebra Proficiency requirement.

Must do one of the following:

Pass Intermediate Algebra (MATH 095 **or** MATH 098) with a 2.0 or higher.

Pass a Math class that has an Intermediate Algebra prerequisite.

Place into any MATH course 113 **or** above via placement test.

B. QUANTITATIVE/SYMBOLIC REASONING (5 credits)

Choose one class from the Quantitative Reasoning or Symbolic Reasoning courses.

Quantitative Reasoning:

MATH& 107 **or** any MATH course MATH& 141 or higher (except MATH& 171) **or**

Symbolic Reasoning:

CS& 131, CS 102, 162, 202, **or** PHIL 121;

C. HUMANITIES (15 credits)

Complete at least one course from any two of the following groups. Courses must be selected from three different subject areas.

Group 1

ART& 100, ART 116, 117, 118, 119, 120, 121;
MUSC& 105, MUSC 116;

Group 2

CMST 221, 246;
DRMA& 101, DRMA 215;
ENGL& 111, 220, 236, 237, 244, 245, 246, ENGL 140, 195, 203, 257, 264, 265, 266;

Group 3

CC 201, 202, 203;
ENGL 160, 180, 210, 280, ENGL& 254, 255, 256;
HIST& 126, 127, 128;
ICS 120, 125, 130, 135, 222;
PHIL& 101, 106, PHIL 131, 150;
WS 155, 160;

Group 4

World Languages:
ARAB 121, 122, 123;
CHIN& 121, 122, 123;
FRCH& 121, 122, 123, 221, 222, 223, FRCH 260, 261, 262;
GERM& 121, 122, 123, 221, 222, 223, GERM 260, 261, 262;
HEB 121, 122, 123;
JAPN& 121, 122, 123, 221, 222, 223;
RUSS& 121, 122, 123;
SPAN& 121, 122, 123, 221, 222, 223, SPAN 104, 110, 111, 112, 205, 206, 207, 260, 261, 262;
all World Languages courses count as a single subject area.
EFL 101, 111;

D. SOCIAL & BEHAVIORAL SCIENCE (15 credits)

Complete at least one course from each one of the following two groups. Courses must be selected from three different subject areas.

Group 1

PSYC& 100, 200, 220, PSYC 103, 201, 205;
SOC& 101, 201, SOC 110, 150, 269;

Group 2

ANTH& 100, 204, 206, 234;
ECON& 201, 202, ECON 110, 291;
GEO 150;
HIST& 146, 147, 148, HIST 107, 108, 110, 111, 112, 113, 115, 116, 117, 233;
ICS 255;
POLS& 201, 202, 203, 204, POLS 104, 205;
SSCI 290/2901;

E. MATHEMATICAL & NATURAL SCIENCE (15 credits)

At least 10 credits need to be from science courses. Courses must be selected from two different subject areas.

One course must be a laboratory science. A single math course cannot count for both a mathematical and natural science course and a quantitative skill course.

ANTH& 205, ANTH 214;
ASTR& 101/101L;
BIOL& 100/100L, 160/160L, 175/175L, 211/211L, 212/212L, 213/213L, 241/241L, 242/242L, 260/260L;
BIOL 120, 140/140L, 148/148L, 186/186L, 201/201L, 240/240L, 250/250L, 252/252L, 253/253L, 254/254L;
CHEM& 110/110L, 121/121L, 122/122L, 123/123L, 131/131L, 140/140L, 161/161L, 162/162L, 163/163L, 241/251, 242/252, 243/253, CHEM 254/264, 255/265, 2861-2869, 2901-2909;
ENVS& 101/101L, ENVS 174;
GEOL& 101/101L, 103/103L, 110/110L, GEOL 102/102L;
GEO 101, 120/120L;
MATH& 107, 141, 142, 144, 146, 148, 151, 152, 153, 171, 172, 173, 254,
MATH 113, 147, 243, 246, 255;
NUTR& 101;
PHYS& 100/101, 121/131, 122/132, 123/133, 221/231, 222/232, 223/233;
SCI 110/110L;

F. HEALTH & PHYSICAL EDUCATION (3 credits)

Health lecture or PE activity courses

HE 110, 160, 161, 1611, 170, 171/1711, 210, 215/2151, 220, 230, 232, 240, 250; **or**
PE 1101, 1111, 1121, 1131, 1141, 1151, 1161, 1171, 1181, 1191,
1201, 1211, 1221, 1271, 1281, 1291, 1321, 1331, 1351, 1401, 1411,
1421, 1451, 1461, 1471, 1481, 1491, 1501, 1601, 1611, 1621, 1631,
1641, 1651, 180/1801, 1811, 1871, 1881, 1891, 1901, 2011;

G. ELECTIVES (24 credits)

Courses must be numbered 100 or above. A maximum of 15 credits from restricted electives may be applied. Please consult with your advisor or counselor.

Note:

**Required minimum credits 90.*

**Required minimum cumulative GPA 2.0.*

**A minimum of 30 credits CBC courses.*

**Depending on your major, some course choices may be more appropriate than others.*

**Consult with your counselor or faculty advisor.*

**Maximum 6 credits of PE activity may be applied.*

**3 credits in Health and PE and 3 credits included in restricted electives.*

DEGREE CHANGE - Page 34

GENERAL STUDIES CERTIFICATE

A. Communications (8 credits)

ENGL& 101 (Required 5 credits)

Choose 3 additional credits from the following:

ENGL& 102 **or** ENGL& 235;

CMST& 210, 220, CMST 101, 110, 260;

B. Humanities (10 credits)

Complete at least 10 credits from any of the following courses:

ARAB 121, 122, 123;

ART& 100, ART 116, 117, 118, 119, 120, 121;

CC 201, 202, 203;

CHIN& 121, 122, 123;

CMST 221, 246;

DRMA& 101, DRMA 215;

EFL 101, 111

ENGL& 111, 220, 236, 237, 244, 245, 246, 254, 255, 256, ENGL 140, 160, 180, 195, 203, 210, 257, 264, 265, 266, 280;

FRCH& 121, 122, 123, 221, 222, 223, FRCH 260, 261, 262;

GERM& 121, 122, 123, 221, 222, 223, GERM 260, 261, 262;

HEB 121, 122, 123;

HIST& 126, 127, 128;

ICS 120, 125, 130, 135, 222;

JAPN& 121, 122, 123, 221, 222, 223;

MUSC& 105, MUSC 116;

PHIL& 101, 106, PHIL 131, 150;

RUSS& 121, 122, 123;

SPAN& 121, 122, 123, 221, 222, 223, SPAN 104, 110, 111, 112, 205, 206, 207, 260, 261, 262;

WS 155, 160;

C. Social & Behavioral Science (10 credits)

Complete at least 10 credits from any of the following courses.

ANTH& 100, 204, 206, 234;

ECON& 201, 202, ECON 110, 291;

GEO 150;

HIST& 146, 147, 148, HIST 107, 108, 110, 111, 112, 113, 115, 116, 117, 233;

ICS 255;

POLS& 201, 202, 203, 204, POLS 104, 205;

PSYC& 100, 200, 220, PSYC 103, 201, 205;

SOC& 101, 201, SOC 110, 150, 269;

SSCI 290/2901

D. Mathematical & Natural Science (10 credits)

Complete at least 10 credits from any of the following courses:

ANTH& 205; ANTH 214;

ASTR& 101/101L;

BIOL& 100/100L, 160/160L, 175/175L, 211/ 211L, 212/212L, 213/213L, 241/241L, 242/242L, 260/260L;

BIOL 120, 140/140L, 148/148L, 186/186L, 201/201L, 240/ 240L, 250/250L, 252/252L, 253/253L, 254/254L;

CHEM& 110/110L, 121/121L, 122/122L, 123/123L, 131/131L, 140/140L, 161/161L, 162/162L, 163/163L, 241/251, 242/252, 243/253, CHEM 254/264, 255/265, 2861-2869, 2901-2909;

ENVS& 101/101L, ENVS 174;

GEOL& 101/101L, 103/103L, 110/110L, GEOL 102/102L;

GEO 101, 120/1201;

MATH& 107, 141, 142, 146, 144, 148, 151, 152, 153, 171, 172, 173, 254, MATH 113, 147, 243, 246, 255;

NUTR& 101;

PHYS& 100/101, 121/131, 122/132, 123/133, 221/231, 222/232, 223/233;

SCI 110/1101;

G. Electives (50-52 credits)

Courses must be numbered 100 or above. Please consult with your advisor or counselor.

*Note:***Required minimum credits 90.***Required minimum cumulative GPA 2.0.***A minimum of 30 credits CBC courses.*

DEGREE CHANGE - Page 36

Accounting

Associate in Applied Science in Accounting

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
ACCT& .201	Principles of Accounting I	5
ACCT& .202	Principles of Accounting II	5
ACCT& .203	Principles of Accounting III	5

Select 4 courses from the following options:

BUS .105	Business and Payroll Tax Accounting	5
BUS .107	Federal Income Taxes	5
BUS .111	Computerized Accounting	5
BUS .250	Management Information Systems	5
BUS .264	Fraud and Accounting Information Systems	5

Subtotal . . . 35

Major Support

(a minimum of 34 credits are required)

Course No.	Course Title	Credits
AOT .124	Intermediate Spreadsheet Applications	5
BUS& .101	Intro to Business	5
BUS .120	Personal Finance	5
BUS .130	Project Management	5
BUS .165	Investments	5
BUS .220	Advanced Personal Finance	5
BUS& .201	Business Law	5
POLS& .200	Introduction to Law	5
BUS .2952	Supervised Employment	1-5
CA .100	Introduction to Microcomputers or	4
CS .101	Introduction to Computers and Information Technology	5
CS .106	Database Systems	5
ECON& .202	Macro Economics	5
ECON& .201	Micro Economics	5
MATH& .146	Introduction to Stats	5
MATH .147	Finite Math	5
MATH& .148	Business Calculus	5
AOT	Keyboarding	2

Subtotal . . . 34-35

General Education

Course No.	Course Title	Credits
ENGL& .101	English Composition I	5
ENGL& .102	Composition II or	5
ENGL& .235	Technical Writing	5
MATH .106+	MATH 106 or above	5

Psychology or Sociology (select 5 credits)

PSYC& .100	General Psychology or	5
PSYC .201	Social Psychology or	5
SOC& .101	Intro to Sociology	5

Speech (select 3 credits)

CMST .101	Speech Essentials or	3
CMST .110	Communication Behavior or	3
CMST& .220	Public Speaking	5

Subtotal . . . 23-25

Total Credits Required . . . 92-95

DEGREE CHANGE - Page 36

Accounting

One-Year Certificate

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
ACCT& .201	Principles of Accounting I	5
ACCT& .202	Principles of Accounting II	5

Select 2 courses from the following options:

BUS .105	Business and Payroll Tax Accounting	5
BUS .111	Computerized Accounting	5

BUS .250	Management Information Systems	5
		Subtotal . . . 20

Major Support

(a minimum of 15 credits are required)

Course No.	Course Title	Credits
AOT .124	Intermediate Spreadsheet Applications	5
BUS& .101	Intro to Business	5
BUS .107	Federal Income Taxes	5
BUS .120	Personal Finance	5
BUS .130	Project Management	5
BUS .220	Advanced Personal Finance	5
ACCT& .203	Principles of Accounting III	5
BUS& .201	Business Law	5
POLS& .200	Introduction to Law	5
BUS .264	Fraud and Accounting Information Systems	5
BUS .2952	Supervised Employment	1-5
CA .100	Introduction to Microcomputers or	4
CS .101	Introduction to Computers and Information Technology	5
CS .106	Database Systems	5
ECON& .202	Macro Economics	5
ECON& .201	Micro Economics	5
MATH& .146	Introduction to Stats	5
MATH .147	Finite Math	5
MATH& .148	Business Calculus	5
AOT	Keyboarding	2

Subtotal . . . 15

General Education

Course No.	Course Title	Credits
ENGL& .101	English Composition I	5
MATH .106+	MATH 106 or above	5

Psychology or Sociology (select 5 credits)

PSYC& .100	General Psychology or	5
PSYC .201	Social Psychology or	5
SOC& .101	Intro to Sociology	5

Speech (select 3 credits)

CMST .101	Speech Essentials or	3
CMST .110	Communication Behavior or	3
CMST& .220	Public Speaking	5

Subtotal . . . 18-20

Total Credits Required . . . 53-55

DEGREE CHANGE - PAGE 37

Associate in Applied Science in Administrative Assistant

PROFESSIONAL TECHNICAL

The following assumes the student enters the program college-ready and has completed AOT 101/AOT 102/AOT 109 or ability to test out/challenge.

Eligibility for MATH 106 and ENGL& 101. Recommended: students purchase a USB storage drive.

Major Courses

Course No.	Course Title	Credits
CA .100	Introduction to Microcomputers	4
AOT .114	Editing	5
AOT .117	Office Orientation	3
AOT .124	Intermediate Spreadsheet Applications	5
AOT .142	General Office Procedures	5
AOT .172	Word Processing I	5
AOT .270	Business Correspondence	5
AOT .290	Professional Development	3
		Subtotal . . . 35

Major Support

Available Emphases: General, Legal, Billing and Posting, and Human Resources.

Choose one Available Emphasis from below:

General:

Course No.	Course Title	Credits
AOT .125	Database Applications	5
AOT .126	Presentation Applications	3
AOT .128	Web Page Maintenance	5
AOT .129	Accounting Software	3
AOT .130	Practical Accounting	5
AOT .132	Payroll for the Office Professional	4



AOT . . . 1952*	Supervised Employment	3
AOT . . . 243	Administrative Office Management	2
AOT . . . 272	Word Processing II	4
AOT . . . 276	Integrated Word Processing	5
	Subtotal.	39

General Major and Support Subtotal. . . . 74

* AOT 1952-Supervised Employment site must meet intended emphasis requirement.

AOT 109 is a prescribed course to facilitate keyboarding and 10-key speeds. Degree completion requires keyboarding speed of 60 wpm and 10-key speed of 100 cpm. To achieve these speeds, AOT 109 may be taken three times for credit.

Legal:

Course No.	Course Title	Credits
AOT . . . 129	Accounting Software	3
AOT . . . 130	Practical Accounting	5
AOT . . . 132	Payroll for the Office Professional	4
AOT . . . 146	Legal Terminology	5
AOT . . . 1952*	Supervised Employment	3
AOT . . . 244	Legal Administrative Office Procedures	5
AOT . . . 272	Word Processing II	4
PL . . . 101	Introduction to Paralegalism	5
PL . . . 105	Law Office Management	3
	Subtotal.	37

Legal Major and Support Subtotal. . . . 72

* AOT 1952-Supervised Employment site must meet intended emphasis requirement.

AOT 109 is a prescribed course to facilitate keyboarding and 10-key speeds. Degree completion requires keyboarding speed of 60 wpm and 10-key speed of 100 cpm. To achieve these speeds, AOT 109 may be taken three times for credit.

Billing and Posting:

Course No.	Course Title	Credits
AOT . . . 125	Database Applications	5
AOT . . . 126	Presentation Applications	3
AOT . . . 128	Web Page Maintenance	5
AOT . . . 129	Accounting Software	3
AOT . . . 130	Practical Accounting	5
AOT . . . 131	Practical Accounting II	5
AOT . . . 132	Payroll for the Office Professional	4
AOT . . . 1952*	Supervised Employment	3
AOT . . . 243	Administrative Office Management	2
AOT . . . 272	Word Processing II	4
	Subtotal.	39

Billing and Posting Major and Support Subtotal. . . . 74

* AOT 1952-Supervised Employment site must meet intended emphasis requirement.

AOT 109 is a prescribed course to facilitate keyboarding and 10-key speeds. Degree completion requires keyboarding speed of 60 wpm and 10-key speed of 175 cpm. To achieve these speeds, AOT 109 may be taken three times for credit.

Human Resources:

Course No.	Course Title	Credits
AOT . . . 129	Accounting Software	3
AOT . . . 130	Practical Accounting	5
AOT . . . 146	Legal Terminology	5
AOT . . . 1952*	Supervised Employment	3
AOT . . . 244	Legal Administrative Office Procedures	5
AOT . . . 272	Word Processing II	4
AOT . . . 276	Integrated Word Processing	5
HIT . . . 118	Legal Aspects of the Medical Office III	3
PL . . . 101	Introduction to Paralegalism	5
PL . . . 103	Civil Procedures	3
PL . . . 105	Law Office Management	3
PL . . . 146	Paralegal Ethics	3
PL . . . 210	Immigration Law	3
PL . . . 216	Corporate Law	3
PL . . . 220	Employee Benefits Law	3
PL . . . 221	Labor Law	3
	Subtotal.	59

Human Resources Major and Support Subtotal. . . . 94

* AOT 1952-Supervised Employment site must meet intended emphasis requirement.

AOT 109 is a prescribed course to facilitate keyboarding and 10-key speeds. Degree completion requires keyboarding speed of 60 wpm and 10-key speed of 100 cpm. To achieve these speeds, AOT 109 may be taken three times for credit.

General Education

Course No.	Course Title	Credits
ENGL& . 101	English Composition I	5
MATH . 106+	MATH 106 or above	5

PSYC& . 100	General Psychology	5
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Speech (select 3-5 credits)

CMST . . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST . . 103	Workplace Communication or	3
CMST . . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST . . 260	Multicultural Communications	5
	Subtotal.	18-20

Total General Credits Required. . . . 92-94

Total Legal Credits Required. . . . 90-92

Total Billing and Posting Credits Required. . . . 92-94

Total Human Resources Credits Required. . . 112-114

NEW DEGREE

Associate in Applied Science in Agribusiness

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
ACCT& . 201	Principles of Accounting I	5
ACCT& . 202	Principles of Accounting II	5
BUS& . 101	Intro to Business	5
BUS& . 201	Business Law	5
ECON& . 202	Macro Economics	5
ECON& . 201	Micro Economics	5

Computer Science/Computer Applications (select 4-5 credits)

CA/CS . 100+	Computer Course(s)	4-5
	Subtotal.	34-35

Major Support

Select 33 credits

Course No.	Course Title	Credits
AFS . . . 101	Introduction to Agricultural Systems	3
AFS . . . 201	Agricultural and Food Systems &	4
AFS . . . 202L	Agricultural and Food Systems Lab	1
AG . . . 102	Introduction to Animal Science &	4
AG . . . 102L	Introduction to Animal Science Lab	1
AG . . . 201	Soils &	4
AG . . . 2011	Soils Lab or	1
BIOL . 201	Soils &	4
BIOL . 201L	Soils Lab	1
AG . . . 289	Agriculture Business Concepts (new class)	5
CHEM& . 110	Chemical Concepts w/Lab &	5
CHEM& . 110L	Chemical Concepts Lab or	0
CHEM& . 140	General Chemistry Prep w/Lab	5
CHEM& . 140L	General Chemistry Prep Lab	0
HORT . . 202	Cultivated Plants &	4
HORT . . 2021	Cultivated Plants Lab	1
	Subtotal.	33

General Education

Course No.	Course Title	Credits
ENGL& . 101	English Composition I	5
ENGL& . 102	Composition II or	5
ENGL& . 235	Technical Writing	5
MATH . 106+	MATH 106 or above	5

Psychology or Sociology (select 5 credits)

PSYC& . 100	General Psychology or	5
SOC& . 101	Intro to Sociology	5

Speech (select 3-5 credits)

CMST . . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST . . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST . . 260	Multicultural Communications	5
	Subtotal.	23-25

Total Credits Required. . . . 90-93

DEGREE CHANGE – Page 41

Bachelor of Applied Science (BAS) in Applied Management

General Education Requirements (55 credits)

A. Communication (10-15 credits)

Course No.	Course Title	Credits
ENGL& . . . 101	English Composition I	5
ENGL . . . 410	Professional & Organizational Communications	5
Communication course (see BAS advisor for appropriate selection)		

B. Humanities (10-15 credits)

Course No.	Course Title	Credits
ICS . . . 310	American Diversity	5
PHIL . . . 305	Professional Ethics	5
Humanities course (see BAS advisor for appropriate selection)		

C. Social & Behavioral Science (10-20 credits)

Course No.	Course Title	Credits
PSYC& . . . 100	General Psychology or other Social Science course	5
ECON . . . 305	Managerial Economics	5
Social Science course(s) (see BAS advisor for appropriate selection)		

D. Mathematical & Natural Science (15-25 credits)

Course No.	Course Title	Credits
MATH . . . Approved College-Level Math		5
MATH& . . . 146	Introduction to Stats	5
ENVS . . . 310	Environmental Issues	5
Mathematical & Natural Science course(s) (see BAS advisor for appropriate selection)		

Subtotal. 55

Foundation Workforce Courses (70 credits)

E. Foundation Workforce Coursework (70 credits)Credits
(see BAS advisor for additional information). 70
Applied Management Courses (55 credits)

F. Applied Management Core Coursework (45 credits)

Course No.	Course Title	Credits
AMGT . . . 300	Management and Organization Theory	5
AMGT . . . 310	Operations Management	5
AMGT . . . 320	Leadership and Organization Behavior	5
AMGT . . . 330	Legal Issues for Business & Managers	5
AMGT . . . 340	Information Technology and Applications	5
AMGT . . . 360	Business Planning and Strategy	5
AMGT . . . 400	Financial and Managerial Accounting	5
AMGT . . . 430	Fundamentals of Financial Management	5
AMGT . . . 480	Business Strategy Capstone or	5
AMGT . . . 490	Small Business Start-up Capstone	5

Subtotal. 45

G. Applied Management Core Electives (10 credits)

Course No.	Course Title	Credits
AMGT . . . 317	BAS Special Topics	5
AMGT . . . 350	Marketing for Managers	5
AMGT . . . 389	BAS Independent Study	5
AMGT . . . 410	Project Management	5
AMGT . . . 417	BAS Special Topics	5
AMGT . . . 420	Human Resources Management	5
AMGT . . . 470	BAS Internship	5-10
AMGT . . . 489	BAS Independent Study	5-10

or
Approved Electives (see BAS advisor for appropriate selection). 5-10

Subtotal 10

Total Credits Required 180

PROGRAM CHANGE

Autobody Collision Repair

The Autobody program has been placed on inactive status and has been discontinued effective Spring Quarter 2010. Students pursuing completion of degree or certificate requirements, including general education and major support courses, have until March 2013 to complete those requirements and file for application of the respective degree or certificate.

PROGRAM CHANGE

Automotive Technology

Department Overview The Automotive Technology program is a comprehensive two-year course combining classroom instruction and hands-on training. The program is based on the eight Automotive Service Excellence (A.S.E.) topics in the National Technicians Certification Program to prepare students for the A.S.E. mechanic certification tests.

CBC's Automotive faculty aim to bring innovative technology into the classroom and the lab. Automotive Tech students learn the basics of computer diagnosis as well as traditional tool usage as they participate in the entire repair process, evaluating, repairing, and maintaining vehicles.

For more information, call (509) 542-4746.

The department requires students achieve a minimum grade of 2.0 to be able to continue enrollment in major courses. The Associate in Applied Science degree also requires a minimum grade of 2.0 for each major course. A student who achieves a grade of 1.9 or lower in any required major courses may repeat that course once to attempt to achieve a grade of 2.0 or higher. Exceptions to this policy must be approved by the Dean of the program prior to enrollment and must be based on extenuating circumstances.

Hybrid and High Voltage Vehicle How to maintain and repair Hybrid and High Voltage vehicles safely is the main emphasis for this certificate program. Damage can easily occur from attempting seemingly routine repairs without understanding the electrical systems on Hybrid and High Voltage Vehicles. Upon completion students will be able to diagnose, then maintain, repair, or replace components on Hybrid and High Voltage Vehicles. Prerequisite: CTE Dean permission, successful completion of an AAS in Automotive Technology, or five years experience as an automotive repair technician.

NEW DEGREE

Hybrid and High Voltage Vehicle Maintenance

PROFESSIONAL TECHNICAL

SHORT-TERM CERTIFICATE

Major Courses

Course No.	Course Title	Credits
AMT . . . 250	Automotive Technology Systems Review	3
AMT . . . 251	Hybrid Operations and Safety	3
AMT . . . 252	High Voltage Basic Operations	3
AMT . . . 253	Basic Maintenance and Servicing of Hybrid Vehicles	3
AMT . . . 254	High Voltage Diagnostics	3
AMT . . . 255	Component Replacement	3

Subtotal. 18

Total Credits Required. 18

PROGRAM CHANGE

CHEMICAL DEPENDENCY

The Chemical Dependency program has been placed on inactive status and has been discontinued effective Spring Quarter 2010. Students pursuing completion of degree or certificate requirements, including general education and major support courses, have until March 2013 to complete those requirements and file for application of the respective degree or certificate.

NEW DEGREE

Associate in Applied Science in Innovation

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
BUS& .101	Intro to Business	5
ACCT& .201	Principles of Accounting I	5
ACCT& .202	Principles of Accounting II	5
BUS& .201	Business Law	5
ECON& .202	Macro Economics	5
ECON& .201	Micro Economics	5

Computer Science/Computer Applications (select 4-5 credits)

CA/CS .100+	Computer Course(s)	4-5
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Subtotal . . . 34-35

Major Support

BUS .130	Project Management	5
BUS .225	Innovation I	2
BUS .226	Innovation II	2
BUS .227	Innovation III	2
BUS .228	Innovation IV	2
BUS .265	Marketing Principles	5
BUS .267	Marketing Special Projects	3
Other approved electives		14

Subtotal . . . 35

General Education

Course No.	Course Title	Credits
ENGL& .101	English Composition I	5
ENGL& .102	Composition II or	5
ENGL& .235	Technical Writing	5
MATH .106+	MATH 106 or above	5
Science Course (Natural Science with lab)		5

Psychology or Sociology (select 5 credits)

PSYC& .100	General Psychology or	5
SOC& .101	Intro to Sociology	5

Speech (select 3-5 credits)

CMST. .101	Speech Essentials or	3
CMST& .220	Public Speaking or	5
CMST. .110	Communication Behavior or	3
CMST& .210	Interpersonal Communication or	5
CMST. .260	Multicultural Communications	5

Subtotal . . . 28-30

Total Credits Required . . . 97-100

NEW CERTIFICATE

Innovation

PROFESSIONAL TECHNICAL

SHORT-TERM CERTIFICATE

Major Courses

Course No.	Course Title	Credits
BUS .130	Project Management	5
BUS .225	Innovation I	2
BUS .226	Innovation II	2
BUS .227	Innovation III	2
BUS .228	Innovation IV	2
BUS .265	Marketing Principles	5
BUS .267	Marketing Special Projects	1

Subtotal . . . 19

NEW CERTIFICATE

Innovation Certificate

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
BUS& .101	Intro to Business	5
ACCT& .201	Principles of Accounting I	5
BUS& .201	Business Law	5

ECON& .202	Macro Economics	5
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Computer Science/Computer Applications (select 4-5 credits)

CA/CS .100+	Computer Course(s)	4-5
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Subtotal . . . 24-25

Major Support

BUS .130	Project Management	5
BUS .225	Innovation I	2
BUS .226	Innovation II	2
BUS .227	Innovation III	2
BUS .228	Innovation IV	2
BUS .265	Marketing Principles	5
BUS .267	Marketing Special Projects	3

Subtotal . . . 21

General Education

Course No.	Course Title	Credits
ENGL& .101	English Composition I	5
MATH .106+	MATH 106 or above	5

Psychology or Sociology (select 5 credits)

PSYC& .100	General Psychology or	5
SOC& .101	Intro to Sociology	5

Speech (select 3-5 credits)

CMST. .101	Speech Essentials or	3
CMST& .220	Public Speaking or	5
CMST. .110	Communication Behavior or	3
CMST& .210	Interpersonal Communication or	5
CMST. .260	Multicultural Communications	5

Subtotal 18-20

Total Credits Required 63-66

NEW CERTIFICATE

Traffic Control

PROFESSIONAL TECHNICAL

SHORT-TERM CERTIFICATE

Major Courses

Course No.	Course Title	Credits
CSRE .002	Traffic Control	0

Subtotal . . . 0

Total Credits Required . . . 0

DEGREE CHANGE – page 47

Associate in Applied Science in Internet Specialist

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
CS .101	Introduction to Computers and Information Technology	5
CS .102*	Visual Basic 1 (minimum 2.5 grade)	5
CS .106	Database Systems	5
CS .109	PC Hardware 1	5
CS .110	Windows Operating Systems	5
CS .122	PC Hardware 2	5
CS .150	Computer Security	5

Subtotal . . . 35

Major Support

Course No.	Course Title	Credits
CS .111	Web 2.0	5
CS .114	HTML (Internet Publishing 1)	5
CS .115	JavaScript/CSS (Internet Publishing 2)	5
CS .203	Digital Graphics & Design 1	5
CS .218	ASP.NET	5
CS .216	XML (Internet Publishing III) or	5
CS& .131	Computer Science I C++ or	5
CS& .141	Computer Science I JAVA	5
CS .243	Web Animation	5

Select 10 credits from the following courses:

CS .140	SharePoint	5
CS .223	Unix/Linux	5
CS .228	Windows Server	5

CS . . . 229	Webmaster	5
CS . . . 244	Digital Graphics & Design 2	5
Subtotal.		. . . 45

General Education

Course No.	Course Title	Credits
ENGL& . 101	English Composition I	5
MATH . 106+	MATH 106 or above	5

Psychology or Sociology (select 5 credits)

PSYC& . 100	General Psychology or	5
SOC& . 101	Intro to Sociology	5

Speech (select 3-5 credits)

CMST . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST . 260	Multicultural Communications	5

Subtotal. . . . 18-20

Total Credits Required. . . 98-100

Note: *MATH 095 or MATH 098 with min. grade 2.0 is prerequisite for all programming classes. Students must receive min. 2.0 in all CS courses, except as noted above.

DEGREE CHANGE – page 48

Associate in Applied Science-Programmer

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
CS . . . 101	Introduction to Computers and Information Technology	5
CS . . . 102*	Visual Basic 1 (minimum grade 2.5)	5
CS . . . 106	Database Systems	5
CS . . . 109	PC Hardware 1	5
CS . . . 110	Windows Operating Systems	5
CS . . . 122	PC Hardware 2	5
CS . . . 150	Computer Security	5
Subtotal.		. . . 35

Major Support

Course No.	Course Title	Credits
Select 45 credits from the following courses:		
CS& . . 131*	Computer Science I C++	5
CS& . . 141	Computer Science I JAVA	5
CS . . . 162*	C++2	5
CS . . . 171	C# 1	5
CS . . . 172	C# 2	5
CS . . . 202	Visual Basic 2	5
CS . . . 206	Database Design	5
CS . . . 212	Visual Basic 3	5
CS . . . 221	SQL Server Administration	5
CS . . . 223	Unix/Linux	5
CS . . . 260	Data Structures in C++	5
CS . . . 261	Visual C++	5
CS . . . 262	Game Programming Design	5
CS . . . 270	Data Structures in C#	5
Subtotal.		. . . 45

General Education

Course No.	Course Title	Credits
ENGL& . 101	English Composition I	5
MATH . 106+	MATH 106 or above	5

Psychology or Sociology (select 5 credits)

PSYC& . 100	General Psychology or	5
SOC& . 101	Intro to Sociology	5

Speech (select 3-5 credits)

CMST . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST . 260	Multicultural Communications	5

Subtotal. . . . 18-20

Total Credits Required. . . 98-100

Note: *MATH 095 or MATH 098 with min. grade 2.0 is prerequisite for all programming classes. Students must receive min. 2.0 in all CS courses, except as noted above.

DEGREE CHANGE – Page 51

Abdomen and Small Parts Sonography

Certificate

Major Courses

General Sonography Core Courses

Course No.	Course Title	Credits
DUTEC . 105	Pathophysiology I	3
DUTEC . 106	Pathophysiology II	3
DUTEC . 107	Human Cross-Sectional Anatomy	7
DUTEC . 170	Ultrasound Physics & Instrumentation I	3
DUTEC . 171	Ultrasound Physics & Instrumentation II	3
DUTEC . 135	Ultrasound Equipment I	3
DUTEC . 145	Ultrasound Equipment II	4
DUTEC . 165	Ultrasound Equipment III	3
Subtotal.		. . . 29

Major Support

Abdomen and Small Parts Sonography Support Courses

Course No.	Course Title	Credits
DUTEC . 110	Ultrasound I: Abdominal Scanning & Techniques	4
DUTEC . 130	Ultrasound III: Small Parts/Intraoperative Techniques	3
Subtotal.		. . . 7

Practicum Courses

Course No.	Course Title	Credits
DUTEC . 210	Clinical Practicum I	10
DUTEC . 220	Clinical Practicum II	10
DUTEC . 230	Clinical Practicum III	10
Subtotal.		. . . 30

General Education

Course No.	Course Title	Credits
English (select 5 credits)		
ENGL& . 101	English Composition I or	5
ENGL . 103	Writing in the Workplace	5
MATH . 100+	Above MATH 100	5

Psychology or Sociology (select 3-5 credits)

PSYC . 103	Applied Psychology or	3
PSYC& . 100	General Psychology or	5
SOC& . 101	Intro to Sociology	5

Speech (select 3-5 credits)

CMST . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST . 260	Multicultural Communications	5

Subtotal. . . . 16-20

Total Credits Required. . . 82-86

DEGREE CHANGE – Page 52

Adult Echocardiography Sonography

Certificate

Major Courses

General Sonography Core Courses

Course No.	Course Title	Credits
DUTEC . 107	Human Cross-Sectional Anatomy	7
DUTEC . 170	Ultrasound Physics & Instrumentation I	3
DUTEC . 171	Ultrasound Physics & Instrumentation II	3
DUTEC . 135	Ultrasound Equipment I	3
DUTEC . 145	Ultrasound Equipment II	4
DUTEC . 165	Ultrasound Equipment III	3
Subtotal.		. . . 23

Major Support

Adult Echocardiography Sonography Support Courses

Course No.	Course Title	Credits
DUTEC . 150	Basic Echocardiography	3
DUTEC . 155	Ultrasound IV: Echocardiography	3
DUTEC . 112	Pathophysiology III	3
DUTEC . 113	Pathophysiology IV	3
DUTEC . 181	Advanced Studies: Echo-Vascular	3

Subtotal. . . . 15

Practicum Courses

Course No.	Course Title	Credits
DUTEC .210	Clinical Practicum I	10
DUTEC .220	Clinical Practicum II	10
DUTEC .230	Clinical Practicum III	10
Subtotal.		30

General Education

Course No.	Course Title	Credits
ENGL& .101	English Composition I or	5
ENGL .103	Writing in the Workplace	5
MATH .100+	Above MATH 100	5

Psychology or Sociology (select 3-5 credits)

PSYC .103	Applied Psychology or	3
PSYC& .100	General Psychology or	5
SOC& .101	Intro to Sociology	5

Speech (select 3-5 credits)

CMST .101	Speech Essentials or	3
CMST& .220	Public Speaking or	5
CMST .110	Communication Behavior or	3
CMST& .210	Interpersonal Communication or	5
CMST .260	Multicultural Communications	5

Subtotal. . . . 16-20

Total Credits Required. . . . 84-88

DEGREE CHANGE – Page 52

Associate in Applied Science in Diagnostic Ultrasound

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
DUTEC .101	Concepts of Patient Care	3
DUTEC .105	Pathophysiology I	3
DUTEC .106	Pathophysiology II	3
DUTEC .107	Human Cross-Sectional Anatomy	7
DUTEC .110	Ultrasound I: Abdominal Scanning & Techniques	4
DUTEC .112	Pathophysiology III	3
DUTEC .113	Pathophysiology IV	3
DUTEC .120	Ultrasound II: Obstetrics & Gynecological Techniques	5
DUTEC .130	Ultrasound III: Small Parts/Intraoperative Techniques	3
DUTEC .135	Ultrasound Equipment I	3
DUTEC .145	Ultrasound Equipment II	4
DUTEC .150	Basic Echocardiography	3
DUTEC .155	Ultrasound IV: Echocardiography	3
DUTEC .160	Ultrasound V: Peripheral Vascular Scanning Techniques	3
DUTEC .165	Ultrasound Equipment III	3
DUTEC .170	Ultrasound Physics & Instrumentation I	3
DUTEC .171	Ultrasound Physics & Instrumentation II	3
DUTEC 180	Advanced Studies: General Ultrasound (<i>general ultrasound students only</i>) or	3
DUTEC .181	Advanced Studies: Echo-Vascular (<i>echocardiography and vascular students only</i>)	3
DUTEC .210	Clinical Practicum I	10
DUTEC .220	Clinical Practicum II	10
DUTEC .230	Clinical Practicum III	10
DUTEC .240	Clinical Practicum IV	10
Subtotal.		102

Major Support

Course No.	Course Title	Credits
HIT .147	Medical Terminology	5
PHYS& .100	Physics Non-Sci Majors	4
PHYS& .101	Physics Lab Non-Sci Majors	1

Human Anatomy and Physiology 10-12

BIOL& .241	Human A&P 1 w/Lab	6
BIOL& .241L*	Human A&P 1 Lab	0
BIOL& .242	Human A&P 2 w/Lab	6
BIOL& .242L*	Human A&P 2 Lab	0
Subtotal.		20-22

General Education

Course No.	Course Title	Credits
ENGL& .101	English Composition I	5

MATH .106+	Math 106 or above	5
PSYC .100+	PSYC 100 or above	3-5

Speech (select 3-5 credits)

CMST .101	Speech Essentials or	3
CMST& .220	Public Speaking or	5
CMST .110	Communication Behavior or	3
CMST& .210	Interpersonal Communication or	5
CMST .260	Multicultural Communications	5
Subtotal.		16-20

Total Credits Required. . . . 138-144

*Important: *You must sign up for both lecture and lab courses to receive combined lecture and lab credits. Lab credits will display zero as they are included in the lecture credits.*

DEGREE CHANGE – Page 53

OB/GYN Sonography

Certificate

Major Courses

General Sonography Core Courses

Course No.	Course Title	Credits
DUTEC .105	Pathophysiology I	3
DUTEC .106	Pathophysiology II	3
DUTEC .107	Human Cross-Sectional Anatomy	7
DUTEC .170	Ultrasound Physics & Instrumentation I	3
DUTEC .171	Ultrasound Physics & Instrumentation II	3
DUTEC .135	Ultrasound Equipment I	3
DUTEC .145	Ultrasound Equipment II	4
DUTEC .165	Ultrasound Equipment III	3
Subtotal.		29

Major Support

OB/GYN Sonography Support Courses

Course No.	Course Title	Credits
DUTEC .120	Ultrasound II: Obstetrics & Gynecological Techniques	5
DUTEC .180	Advanced Studies: General Ultrasound	3
Subtotal.		8

Practicum Courses

Course No.	Course Title	Credits
DUTEC .210	Clinical Practicum I	10
DUTEC .220	Clinical Practicum II	10
DUTEC .230	Clinical Practicum III	10
Subtotal.		30

General Education

Course No.	Course Title	Credits
ENGL& .101	English Composition I or	5
ENGL .103	Writing in the Workplace	5
MATH .100+	Above MATH 100	5

Psychology or Sociology (select 3-5 credits)

PSYC .103	Applied Psychology or	3
PSYC& .100	General Psychology or	5
SOC& .101	Intro to Sociology	5

Speech (select 3-5 credits)

CMST .101	Speech Essentials or	3
CMST& .220	Public Speaking or	5
CMST .110	Communication Behavior or	3
CMST& .210	Interpersonal Communication or	5
CMST .260	Multicultural Communications	5
Subtotal.		16-20

Total Credits Required. . . . 83-87

DEGREE CHANGES – Page 53

Vascular Sonography

Certificate

Major Courses

General Sonography Core Courses

Course No.	Course Title	Credits
DUTEC .107	Human Cross-Sectional Anatomy	7
DUTEC .170	Ultrasound Physics & Instrumentation I	3
DUTEC .171	Ultrasound Physics & Instrumentation II	3

DUTEC . . .135	Ultrasound Equipment I	3
DUTEC . . .145	Ultrasound Equipment II	4
DUTEC . . .165	Ultrasound Equipment III	3
Subtotal		23

Major Support

Vascular Sonography Support Courses

Course No.	Course Title	Credits
DUTEC . . .160	Ultrasound V: Peripheral Vascular Scanning Techniques	3
DUTEC . . .112	Pathophysiology III	3
DUTEC . . .113	Pathophysiology IV	3
DUTEC . . .181	Advanced Studies: Echo-Vascular	3
Subtotal		12

Practicum Courses

Course No.	Course Title	Credits
DUTEC . . .210	Clinical Practicum I	10
DUTEC . . .220	Clinical Practicum II	10
DUTEC . . .230	Clinical Practicum III	10
Subtotal		30

General Education

Course No.	Course Title	Credits
English (select 5 credits)		
ENGL& . . .101	English Composition I or	5
ENGL . . .103	Writing in the Workplace	5
MATH . . .100+	Above MATH 100	5

Psychology or Sociology (select 3-5 credits)

PSYC . . .103	Applied Psychology or	3
PSYC& . . .100	General Psychology or	5
SOC& . . .101	Intro to Sociology	5

Speech (select 3-5 credits)

CMST . . .101	Speech Essentials or	3
CMST& . . .220	Public Speaking or	5
CMST . . .110	Communication Behavior or	3
CMST& . . .210	Interpersonal Communication or	5
CMST . . .260	Multicultural Communications	5
Subtotal		16-20

Total Credits Required 81-85

DEGREE CHANGES – Page 56

Associate in Applied Science in Engineering Technology

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
ENT . . .111	Introduction to Engineering	5
ENT . . .1161	Basic Drafting	5
ENT . . .121	Engineering Fundamentals	3
ENT . . .121L	Engineering Fundamentals Lab	1
ENT . . .122	Materials	3
ENT . . .1261	Graphical Analysis	5
ENT . . .134	Surveying	3
ENT . . .1341	Surveying Lab	3
ENT . . .135	Statics	5
ENT . . .1361	Advanced Drafting	4
ENT . . .214	Strength of Materials	5
ENT . . .2161	Mechanical Drafting & Design	5
ENT . . .2191	Construction Estimating	1
ENT . . .224	Structures	5
ENT . . .2261	Architectural/Structural Drafting	5
ENT . . .229	Construction Specifications	2
ENT . . .2361	Design	5
ENT . . .238	Electricity	5
Subtotal		70

Major Support

Course No.	Course Title	Credits
PHYS& . . .121	General Physics I	4
PHYS& . . .131	General Physics Lab I	1
PHYS& . . .122	General Physics II	4
PHYS& . . .132	General Physics Lab II	1
Physics/English (5 credits)		
PHYS& . . .123	General Physics III &	4

PHYS& . . .133	General Physics Lab III or	1
ENGL& . . .235	Technical Writing	5
Computer Science Elective (as approved by ENT Dept.)		5
Subtotal		15

General Education

Course No.	Course Title	Credits
ENGL& . . .101	English Composition I	5
MATH . . .113	Geometry/Trigonometry or	5
MATH& . . .141	Precalculus I	5
MATH& . . .142	Precalculus II	5
Subtotal		15

Students should select one class from each of the following areas to meet the program requirement:

Course No.	Course Title	Credits
Human Relations (3-5 credits)		
PSYC . . .103	Applied Psychology or	3
PSYC& . . .100	General Psychology or	5
PSYC . . .201	Social Psychology or	5
SOC& . . .101	Intro to Sociology or	5
BUS . . .271	Human Relations Business	5

Speech (select 3-5 credits)

CMST . . .101	Speech Essentials or	3
CMST& . . .220	Public Speaking or	5
CMST . . .110	Communication Behavior or	3
CMST& . . .210	Interpersonal Communication or	5
CMST . . .260	Multicultural Communications	5
Subtotal		6-10

Total Credits Required 106-110

PROGRAM CHANGE – Page 58

Fire Protection Technology

The Fire Protection Technology program has been placed on inactive status and has been discontinued effective Spring Quarter 2010. Students pursuing completion of degree or certificate requirements, including general education and major support courses, have until March 2013 to complete those requirements and file for application of the respective degree or certificate.

DEGREE CHANGE – Page 58

Associate in Applied Science in Fire Science

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
FS . . .111	Fire Administration	3
FS . . .121	Fire Tactics	3
FS . . .131	Introduction to Fire Inspections	3
FS . . .141	Hazardous Materials I	3
FS . . .151	Hazardous Materials II	3
FS . . .211	Building Construction	3
FS . . .222	Fire Tactics II	3
FS . . .231	Fire Protection Equipment	3
FS . . .241	Fire Investigation	3
Subtotal		27

Major Support

Course No.	Course Title	Credits
ENGL& . . .235	Technical Writing	5

Political Science (select 5 credits)

POLS& . . .202	American Government or	5
POLS . . .104	State and Local Government	5

Business Administration (select 5 credits)

BUS . . .262	Management Principles or	5
BUS . . .271	Human Relations Business	5
Subtotal		15

Restrictive Electives

Minimum of 32 credits appropriate to the career needs of the student. Courses must be college level, 100 or higher. Consult with advisor for course selections.

Subtotal 32

General Education

Course No.	Course Title	Credits
ENGL& .101	English Composition I	5
MATH .106+	MATH 106 or above	5
PSYC .100+	PSYC 100 or above	3-5

Speech (select 3-5 credits)

CMST. .101	Speech Essentials or	3
CMST&. .220	Public Speaking or	5
CMST. .110	Communication Behavior or	3
CMST&. .210	Interpersonal Communication	5

Subtotal. 16-20

Total Credits Required. 90-94

DEGREE CHANGE – Page 59

Associate in Arts & Sciences with an Emphasis in Health & Physical Education

TRANSFER DEGREE

Option C

A. Communication (10 credits in English, plus 3 credits in Speech)

Course No.	Course Title	Credits
ENGL& .101	English Composition I	5
ENGL& .102	Composition II or	5
ENGL& .235	Technical Writing	5
CMST. .101	Speech Essentials or	3
CMST&. .220	Public Speaking or	5
CMST. .110	Communication Behavior or	3
CMST&. .210	Interpersonal Communication or	5
CMST. .260	Multicultural Communications	5

Math Proficiency X

1. Intermediate Algebra Proficiency requirement: Must do one of the following:

Pass Intermediate Algebra (MATH 095 **or** MATH 098).

Pass a Math class that has an Intermediate Algebra prerequisite.

Place into any Math course MATH 113 **or** above via Placement Test.

B. Quantitative/Symbolic Reasoning (5 credits). 5

Choose one class from the Quantitative Reasoning or Symbolic Reasoning courses.

1. Quantitative Reasoning:

MATH& 107 **or** any MATH course MATH& 141 **or** higher (except MATH& 171) **or**

2. Symbolic Reasoning:

CS 102, CS& 131, CS 162, CS 202, **or** PHIL 121

C. Humanities (15 credits). 15

Course selections must also meet the Humanities distribution requirements for the AA Degree.

D. Social & Behavioral Science (15 credits). 15

Course selections must also meet the Social & Behavioral distribution requirements for the AA Degree.

E. Mathematical & Natural Science (15 credits)

Course selections must also meet the Mathematical & Natural Science distribution requirements for the AA Degree.

Course No.	Course Title	Credits
CHEM& .121	Intro to Chemistry w/Lab &	5
CHEM& .121L*	Intro to Chemistry Lab or	0
CHEM& .161	General Chemistry I w/Lab &	5
CHEM& .161L*	General Chemistry I Lab	0
BIOL& .160	General Biology w/Lab &	5
BIOL& .160L*	General Biology Lab or	0
BIOL& .211	Majors Cellular w/Lab &	5
BIOL& .211L*	Majors Cellular Lab	0
BIOL& .241	Human A&P 1 w/Lab &	6
BIOL& .241L*	Human A&P 1 Lab	0

F. Health and Physical Education (3 credits)

One of the required electives will satisfy this 3 credit requirement.

G. Required Electives (33-45 credits of the following list):

Not every course is required. Please consult the department advisor for more information.

Course No.	Course Title	Credits
BIOL& .242	Human A&P 2 w/Lab &	6
BIOL& .242L*	Human A&P 2 Lab	0
PEC. .180	Care & Prevention of Athletic Injuries	3
PEC. .182	Care & Prevention of Athletic Injuries II	2
PEC. .1821	Care & Prevention of Athletic Injuries II Lab	1
PEC. .183	Athletic Training Internship	2

PEC. .1831	Athletic Training Internship Lab	1
HE . . .160	Diet, Exercise and Weight Control	2
HE . . .170	Health and Wellness	3
HE . . .171	Exercise Prescription	2
	(Recommended-BIOL& 241/BIOL& 241L and BIOL& 242/BIOL& 242L)	
HE . . .1711	Exercise Prescription Lab	1
PE . . .180	Adaptive Physical Education	2
	(Recommended-BIOL& 241/BIOL& 241L and BIOL& 242/BIOL& 242L)	
PE . . .1801	Adaptive Physical Education Lab	1
HE . . .210	Sports Nutrition	3
HE . . .215	Health and Fitness for Life	2
HE . . .2151	Health and Fitness for Life Lab	1
HE . . .220	Drugs and Health	3
HE . . .230	First-Aid Safety	3
HE . . .232	Sports Psychology	3
HE . . .240	Stress Management	3
HE . . .250	Sports Management	3

Total Credits Required. 99-111

Important:

*You must sign up for both lecture and lab courses to receive combined lecture and lab credits. Lab credits will display zero as they are included in the lecture credits.

In addition to the above required coursework, it is extremely important to stay in close contact with your faculty advisor within the Health Education Department.

DEGREE CHANGE – Page 60

Associate in Applied Science in Health Information Technology

PROFESSIONAL TECHNICAL

The following assumes the student enters the program college-ready and has completed AOT 101/AOT 102/AOT 109 or ability to test out/challenge.

Eligibility for MATH 106 and ENGL& 101. Recommended : Students purchase a USB storage drive.

Major Courses

Course No.	Course Title	Credits
CA . . .100	Introduction to Microcomputers	4
AOT. . .117	Office Orientation	3
AOT. . .129	Accounting Software	3
AOT. . .130	Practical Accounting	5
AOT. . .172	Word Processing I	5
AOT. . .290	Professional Development	3
HIT . . .118	Legal Aspects of the Medical Office III	3
HIT . . .147	Medical Terminology	5
HIT . . .154	Anatomy and Physiology for Health Information Technology	4
HIT . . .152	Pharmacotherapy for Health Information Technology	2
HIT . . .158	Pathophysiology for Health Information Technology	4

Subtotal. 41

Available Emphases: Medical Reimbursement and Coding and Medical Transcription.

Choose one Available Emphasis from below:

Major Support

Medical Reimbursement and Coding:

Course No.	Course Title	Credits
AOT. . .142	General Office Procedures	5
AOT. . .1952*	Supervised Employment	4
HIT . . .153	Medical Reimbursement	5
HIT . . .155	Introduction to Medical Coding	5
HIT . . .156	Intermediate Medical Coding	5
HIT . . .157	Advanced Medical Coding	5
HIT . . .159	Advanced Hospital Coding and CCS Prep	5

Medical Reimbursement and Coding Subtotal. 75

AOT 1952 – need to be specific to the intended degree/certificate.

Prior to Supervised Employment in a hospital setting: Required immunizations and WSP background check must be on file. Degree completion requires keyboarding speed of 30 wpm and 10-key speed of 100 cpm. To achieve these speeds, AOT 109 may be taken three times for credit.

Medical Transcription:

Course No.	Course Title	Credits
AOT. . .272	Word Processing II	4
AOT. . .114	Editing	5
AOT. . .1952*	Supervised Employment	10
HIT . . .283	Medical Transcription I	4
HIT . . .284	Medical Transcription II	4
HIT . . .285	Medical Transcription III	4

Medical Transcription Subtotal. . . . 72

*AOT 1952-need to be specific to the intended degree/certificate.

Prior to Supervised Employment in a hospital setting: Required immunizations and WSP background check must be on file. To achieve these speeds, AOT 109 may be taken three times for credit.

General Education

Course No.	Course Title	Credits
ENGL& . 101	English Composition I	5
MATH . 106+	MATH 106 or above	5
PSYC& . 100	General Psychology	5

Speech (select 3-5 credits)

CMST. . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST. . 103	Workplace Communication or	3
CMST. . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST. . 260	Multicultural Communications	5

Subtotal. . . 18-20

Medical Reimbursement and Coding

Total Credits Required. . . 93-95

Medical Transcription Total Credits Required. . . 90-92

DEGREE CHANGE – Page 61

Associate in Arts & Sciences with an Emphasis in History

TRANSFER DEGREE

Option C

A. Communication (13 credits)

Course No.	Course Title	Credits
ENGL& . 101	English Composition I	5
ENGL& . 102	Composition II	5
CMST.	3

Math Proficiency X

B. Quantitative/Symbolic Reasoning (5 credits)

Course No.	Course Title	Credits
MATH& . 146	Introduction to Stats	5

C. Humanities (15 credits)

Course selections must also meet the Humanities distribution requirements for the AA Degree.

Course No.	Course Title	Credits
HIST& . 126	World Civilizations I	5
ENGL	(see advisor for appropriate selection)	5
Humanities Elective	(see advisor for appropriate selection)	5

D. Social & Behavioral Science (15 credits)

Course selections must also meet the Social & Behavioral Science distribution requirements for the AA Degree.

Course No.	Course Title	Credits
SOC& . 101	Intro to Sociology	5
HIST& . 146	U.S. History I	5
Social Science Elective (see advisor for appropriate selection)	5

E. Mathematical & Natural Science (15 credits)

Course selections must also meet the Mathematical & Natural Science distribution requirements for the AA Degree.

Mathematical & Natural Science Electives (see advisor for appropriate selection) 15

F. Health and Physical Education (3 credits)

Selected from PE Activity Classes or Health (HE) Classes 3

G. Electives (25 credits)

Course No.	Course Title	Credits
HIST& . 127	World Civilizations II	5
HIST& . 128	World Civilizations III	5
HIST& . 147	U.S. History II	5
HIST& . 148	U.S. History III	5

Select 5 credits from the following courses:

HIST . . 110	History of Modern East Asia	5
HIST . . 112	Modern Latin America	5
HIST . . 115	History of Modern Middle East	5

Total Credits Required. . . . 91

PROGRAM CHANGE – Page 62

Human Development (HDEV)

Human Development (HDEV) courses at Columbia Basin College provide students with a theoretical and practical foundation for human growth and development across the life span. Encompassing a broad spectrum of inter- and intra-personal skills that enhance professional and personal relationships, these courses address such topics as learning theory, tools and techniques to succeed in college and life, career exploration and planning, decision-making, and interpersonal communication. These classes are open to all CBC students and can be taken for personal development or as college-level restricted credits towards the Associate in Arts degree or for personal enrichment.

PROGRAM CHANGE – Page 62

Human Services

The Human Services program has been placed on inactive status and has been discontinued effective Spring Quarter 2010. Students pursuing completion of degree or certificate requirements, including general education and major support courses, have until March 2013 to complete those requirements and file for application of the respective degree or certificate.

DEGREE CHANGE – Page 63

Associate in Arts & Sciences with an Emphasis in International Studies

TRANSFER DEGREE

Option C

A. Communication (10 credits in English, plus 3 credits in Speech)

Course No.	Course Title	Credits
ENGL& . 101	English Composition I	5
ENGL& . 102	Composition II	5
CMST. . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST. . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST. . 260	Multicultural Communications	5

Math Proficiency X

1. Intermediate Algebra Proficiency requirement: Must do one of the following:

Pass Intermediate Algebra (MATH 095 or MATH 098).

Pass a Math class that has an Intermediate Algebra prerequisite.

Place into any Math course MATH 113 **or** above via Placement Test.

B. Quantitative/Symbolic Reasoning (5 credits)

1. Quantitative Reasoning:

Course No.	Course Title	Credits
MATH& . 146	Introduction to Stats	5

C. Humanities (15 credits)

Course No.	Course Title	Credits
HIST& . 128	World Civilizations III	5
Humanities Electives (Course selections must also meet the Humanities distribution requirements for the AA Degree.)	10

D. Social & Behavioral Science (15 credits)

Course selections must also meet the Social & Behavioral distribution requirements for the AA Degree.

Course No.	Course Title	Credits
GEO . . 150	Cultural Geography	5
POLS& . 204	Comparative Government or	5
POLS& . 203	International Relations	5
SOC& . 201	Social Problems	5

E. Mathematical & Natural Science (15 credits)

Course No.	Course Title	Credits
ENVS& . 101	Intro to Environmental Science w/Lab	5
ENVS& . 101L*	Intro to Environmental Science Lab	0

Other course selections must meet the Mathematical & Natural Science distribution requirements for the AA Degree. 10

F. Health and Physical Education (3 credits) 3

Health lecture or PE activity courses will satisfy this three-credit requirement.

G. Required Electives (Select 24 credits from the following list:9)

Language (15 credits of World Languages.) 15
This requirement may also be met by demonstrating the ability to speak and read at sophomore level. If this requirement is met without taking the courses, the 15 credits may be taken as electives. (See advisor for class selections.)

Additional Electives

A class can only be used to fulfill one requirement.

Course No.	Course Title	Credits
ANTH& .206	Cultural Anthropology	5
ECON& .202	Macro Economics	5
HIST .110	History of Modern East Asia	5
HIST .111	Colonial Latin America	5
HIST .112	Modern Latin America	5
HIST .113	Mexico Since Independence	5
HIST .115	History of Modern Middle East	5
HIST .116	History of Africa	5
HIST .117	History of India	5
ICS .100	Cultural and Historical Linked to Travel	1-3
ICS .120	Survey of Hispanic Culture	5
ICS .255	Race and Ethnic Relations	5
POLS& .204	Comparative Government	5
POLS& .203	International Relations	5
SOC .269	Sociology of World Cinema	5
Total Credits Required.		90

Important:

*You must sign up for both lecture and lab courses to receive combined lecture and lab credits. Lab credits will display zero as they are included in the lecture credits.

In addition to the above required coursework, it is extremely important to stay in close contact with your faculty advisor.

DEGREE CHANGE – Page 64

Associate in Arts & Sciences with an Emphasis in Latino & Latin American Studies

TRANSFER DEGREE
Option C

A. Communication (10 credits in English, plus 3 credits in Speech)

Course No.	Course Title	Credits
ENGL& .101	English Composition I	5
ENGL& .102	Composition II or	5
ENGL& .235	Technical Writing	5
CMST .101	Speech Essentials or	3
CMST& .220	Public Speaking or	5
CMST .110	Communication Behavior or	3
CMST& .210	Interpersonal Communication or	5
CMST .260	Multicultural Communications	5

Math Proficiency X

1. Intermediate Algebra Proficiency requirement: Must do one of the following:

Pass Intermediate Algebra (MATH 095 **or** MATH 098).

Pass a Math class that has an Intermediate Algebra prerequisite.

Place into any Math course MATH 113 **or** above via Placement Test.

B. Quantitative/Symbolic Reasoning (5 credits)

1. Quantitative Reasoning:

Course No.	Course Title	Credits
MATH& .146	Introduction to Stats (Recommended)	5

2. OR Symbolic Reasoning:

CS 102, CS& 131 CS 162, CS 202, **or** PHIL 121

C. Humanities (15 credits)

Course No.	Course Title	Credits
ICS .120	Survey of Hispanic Culture	5
Humanities Electives (Course selections must also meet the Humanities distribution requirements for the AA Degree.)		10

D. Social & Behavioral Science (15 credits)

Course selections must also meet the Social & Behavioral distribution requirements for the AA Degree.

Course No.	Course Title	Credits
HIST .111	Colonial Latin America or	5
HIST .107	Chicano History	5
POLS& .203	International Relations or	5
ANTH& .206	Cultural Anthropology	5

Psychology or Sociology (See advisor for appropriate selection) 5

Course No.	Course Title	Credits
PSYC .201	Social Psychology or	5
SOC& .201	Social Problems	5

E. Mathematical & Natural Science (15 credits) 15

Course selections must also meet the Mathematical & Natural Science distribution requirements for the AA Degree.

F. Health and Physical Education (3 credits) 3

Health lecture or PE activity courses will satisfy this three-credit requirement.

G. Required Electives (Select 24 credits from the following list:9)

Language (15 credits of Spanish language classes.) 15
This requirement may also be met by demonstrating the ability to write and read at one-year language level. If this requirement is met without taking the courses, the 15 credits may be taken as electives. (See advisor for class selections.)

Additional Electives

A class can only be used to fulfill one requirement.

Course No.	Course Title	Credits
ANTH& .206	Cultural Anthropology	5
ART .120	Art History of Americas	5
HIST .107	Chicano History	5
HIST .108	History of Immigration in the United States	5
HIST .111	Colonial Latin America	5
HIST .112	Modern Latin America	5
HIST .113	Mexico Since Independence	5
ICS .100	Cultural and Historical Linked to Travel	1-3
ICS .255	Race and Ethnic Relations	5
ENGL .180	Multicultural Literature	5
ENGL& .254	World Literature I	5
ENGL& .255	World Literature II	5
PHIL .131	World Religions	5
PL .210	Immigration Law	3
POLS& .204	Comparative Government	5
POLS& .203	International Relations	5
SOC& .201	Social Problems	5
SPAN .260	Spanish Literature Readings	3
SPAN .261	Spanish Literature Readings	3
SPAN .262	Spanish Literature Readings	3
CMST .260	Multicultural Communications	5
Total Credits Required.		90

In addition to the above required coursework, it is extremely important to stay in close contact with your faculty advisor.

DEGREE CHANGE – Page 70

Associate in Applied Science in Nuclear Technology Instrumentation and Control Technician Option

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
NT .111	Basic Nuclear Math and Physics	5
NT .114	Introduction to Radiation Safety	5
NT .121	Reactor Plant Operations or 4	5
NT .122	Basic Nuclear Facilities	4
NT .131	Nuclear Facility Components	4
NT .141	Basic Reactor Safety, Theory, and Operations or	5
NT .142	Basic Nuclear Safety and Environmental Compliance	5
NT .150	Internship Seminar	1
NT .152	Internship	7
ELT .111	Introduction to Electricity	5
MEC .111	Mechanical and Fluid Power Transmission	4
FYI .103	First Year Introduction for Trades	1
Subtotal.		41

Major Support

Course No.	Course Title	Credits
NT .220	Nuclear and Special Processes Instrumentation	5

NT . . . 230	Nuclear Facility Instrumentation I	5
NT . . . 240	Nuclear Power Plant Instrumentation II or	5
NT . . . 241	Nuclear Facility Instrumentation II	5
ELT . . . 124	Direct Current Circuits	5
ELT . . . 134	Alternating Current Circuits	5
ELT . . . 151	Electronics 1	5
ELT . . . 161	Electronics 2	5
ELT . . . 211	Applied Electronics	5
IC 220	Industrial Motors and Their Controls	5
IC 230	PLC Programming and Computer Interfacing	5
	Subtotal.	50

General Education

Course No.	Course Title	Credits
English (10 credits)		
ENGL& . 101	English Composition I	5
ENGL& . 235	Technical Writing	5

Science (10 credits)

(Choose one from Physics and one from Chemistry)

PHYS& . 100	Physics Non-Sci Majors &	4
PHYS& . 101	Physics Lab Non-Sci Majors or	1
PHYS& . 121	General Physics I &	4
PHYS& . 131	General Physics Lab I or	1
PHYS& . 221	Engineering Physics I &	4
PHYS& . 231	Engineering Physics Lab I	1
CHEM& . 110	Chemical Concepts w/Lab &	5
CHEM& . 110L	Chemical Concepts Lab or	0
CHEM& . 140	General Chemistry Prep w/Lab &	5
CHEM& . 140L	General Chemistry Prep Lab	0

Math (15 credits)

MATH& . 141	Precalculus I	5
MATH& . 142	Precalculus II	5
MATH& . 146	Introduction to Stats	5

Human Relations (5 credits)

PSYC& . 100	General Psychology	5
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Speech (select 3-5 credits)

(Choose one Speech course)

CMST . . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST . . 103	Workplace Communication (preferred) or	3
CMST . . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST . . 260	Multicultural Communications	5

Subtotal. **43-45**

Total Credits Required. **134-136**

NEW CERTIFICATE

Manufacturing Technology Changed from Machine Technology

The CBC Manufacturing Technology curriculum includes trade support theory courses in conjunction with laboratory training and general education courses. For more information call (509) 544-2267.

At the end of the program successful students will be able to:

Demonstrate manual machining skills, (operation of lathes, milling machines and surface grinders, tool), grinding skills, and blueprint reading skills operate high tech equipment, such as electrical discharge machines and computerized numerical control machine demonstrate skills in computer-aided drafting, solid modeling, and computer-aided manufacturing use math and problem-solving skills

The department requires students achieve a minimum grade of 2.0 to be able to continue enrollment in major courses. The Associate of Applied Science Degree also requires a minimum grade of 2.0 for each major course. A student who achieves a grade of 1.9 or lower in any required major courses may repeat that course once to attempt to achieve a grade of 2.0 or higher. Exceptions to this policy must be approved by the Dean of the program prior to enrollment and must be based on extenuating circumstances.

Solid Modeling for Manufacturing

PROFESSIONAL TECHNICAL

SHORT-TERM CERTIFICATE

Major Courses

Course No.	Course Title	Credits
MT . . . 102	SolidWorks® for Manufacturing Technology I	5
MT . . . 202	SolidWorks® for Manufacturing Technology II	5
BPR . . . 204	Blueprint Reading II (MT)	3

Subtotal. **13**

Total Credits Required. **13**

NEW PROGRAM

Radiation Protection Technician

The Radiation Protection Technician (RPT) option of the Nuclear Technology program develops technicians who measure and record radiation levels. Technicians also maintain and calibrate radiation protection instruments. A RPT has a key role in fostering a safe work environment for employees working with radioactive materials or in radiation areas. RPTs must be able to assist in the development of procedures for the operation of radiation protection instruments and in the evaluation of plans to limit the dose of radiation workers receive.

NEW DEGREE

Associate in Applied Science in Nuclear Technology Radiation Protection Technician Option

PROFESSIONAL TECHNICAL

Major Courses

Course No.	Course Title	Credits
NT . . . 111	Basic Nuclear Math and Physics	5
NT . . . 114	Introduction to Radiation Safety	5
NT . . . 121	Reactor Plant Operations or	4
NT . . . 122	Basic Nuclear Facilities	4
NT . . . 131	Nuclear Facility Components	4
NT . . . 141	Basic Reactor Safety, Theory, and Operations or	5
NT . . . 142	Basic Nuclear Safety and Environmental Compliance	5
NT . . . 150	Internship Seminar	1
NT . . . 152	Internship	7
ELT . . . 111	Introduction to Electricity	5
MEC . . . 111	Mechanical and Fluid Power Transmission	4
FYI . . . 103	First Year Introduction for Trades	1

Subtotal. **41**

Major Support

Course No.	Course Title	Credits
RPT . . . 111	Radiation Fundamentals	5
RPT . . . 121	Radiation Monitoring	5
RPT . . . 131	Radiation Effects	5
RPT . . . 141	Radioactive Materials Handling	5
RPT . . . 211	Radiological Safety and Response	5
RPT . . . 222	Radiation Protection	5
BIOL& . 175	Human Biology w/Lab	5
BIOL& . 175L	Human Biology Lab	0

Subtotal. **35**

General Education

Course No.	Course Title	Credits
English (10 credits)		
ENGL& . 101	English Composition I	5
ENGL& . 235	Technical Writing	5

Science (10 credits)

(Choose one from Physics and one from Chemistry)

PHYS& . 100	Physics Non-Sci Majors &	4
PHYS& . 101	Physics Lab Non-Sci Majors or	1
PHYS& . 121	General Physics I &	4
PHYS& . 131	General Physics Lab I or	1
PHYS& . 221	Engineering Physics I &	4

PHYS& . 231	Engineering Physics Lab I	1
CHEM& . 110	Chemical Concepts w/Lab &	5
CHEM& . 110L	Chemical Concepts Lab or	0
CHEM& . 140	General Chemistry Prep w/Lab &	5
CHEM& . 140L	General Chemistry Prep Lab	0

Math (15 credits)

MATH& . 141	Precalculus I	5
MATH& . 142	Precalculus II	5
MATH& . 146	Introduction to Stats	5

Human Relations (5 credits)

PSYC& . 100	General Psychology	5
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Speech (select 3-5 credits)

(Choose one Speech course)

CMST. . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST. . 103	Workplace Communication (preferred) or	3
CMST. . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST. . 260	Multicultural Communications	5

Subtotal. . . 43-45
Total Credits Required. . 119-121

PROGRAM CHANGE

Paralegal Program

The Paralegal program has been placed on inactive status and has been discontinued effective Spring Quarter 2010. Students pursuing completion of degree or certificate requirements, including general education and major support courses, have until March 2013 to complete those requirements and file for application of the respective degree or certificate.

DEGREE CHANGE – Page 78

Associate in Arts & Sciences with an Emphasis in Acting & Directing

TRANSFER DEGREE

Option C

A. Communication (10 credits in English, plus 3 credits in Speech)

Course No.	Course Title	Credits
ENGL& . 101	English Composition I	5
ENGL& . 102	Composition II or	5
ENGL& . 235	Technical Writing	5
CMST. . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST. . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST. . 260	Multicultural Communications	5

Math Proficiency X

1. Intermediate Algebra Proficiency requirement: Must do one of the following:
 Pass Intermediate Algebra (MATH 095 or MATH 098) with 2.0 or better.
 Pass a Math class that has an Intermediate Algebra prerequisite.
 Place into any Math course MATH 113 or above via Placement Test.

B. Quantitative/Symbolic Reasoning (5 credits) 5

Choose one class from the Quantitative Reasoning or Symbolic Reasoning courses.

1. Quantitative Reasoning:

MATH& 107 **or any MATH course MATH& 141 **or** higher (except MATH& 171) **or****

Course No.	Course Title	Credits
MATH . 147	Finite Math (Recommended)	5

2. OR Symbolic Reasoning:

CS 102, CS& 131, CS 162, CS 202, **or** PHIL 121

C. Humanities (15 credits)

Course selections must also meet the Humanities distribution requirements for the AA degree.

Required:

Course No.	Course Title	Credits
DRMA& . 101	Intro to Theatre or	5
DRMA . 215	Survey of Theatre History	5
And 10 additional credits selected from other Humanities electives.		10

Recommended:

CMST. . 246	Oral Interpretation	5
ENGL& . 220	Intro to Shakespeare	5

D. Social & Behavioral Science (15 credits)

Course selections must also meet the Social & Behavioral distribution requirements for the AA degree.

Recommended:

Course No.	Course Title	Credits
ANTH& . 206	Cultural Anthropology	5
PSYC& . 100	General Psychology	5
SOC& . 101	Intro to Sociology	5

E. Mathematical & Natural Science (15 credits)

At least 10 credits need to be from science courses. Courses must be selected from two different subject areas. One course must be a laboratory science. A single math course cannot count for both a mathematical and natural science course and a quantitative skill course.

Recommended to include:

Course No.	Course Title	Credits
BIOL& . 100	Survey of Biology w/Lab &	5
BIOL& . 100L*	Survey of Biology Lab	0
GEOL& . 101	Intro to Physical Geology w/Lab &	5
GEOL& . 101L*	Intro to Physical Geology Lab	0
NUTR& . 101	Nutrition	5

F. Health and Physical Education (3 credits)

Recommended:

Course No.	Course Title	Credits
HE . . . 230	First-Aid Safety or	3
HE . . . 240	Stress Management	3

G. Required Electives (26-38 credits)

Course No.	Course Title	Credits
DRMA . 1051-1071	Rehearsal and Performance (3 credits required in any combination)	1-3
DRMA . 120	Acting-Beginning	5
DRMA . 121	Acting-Intermediate	3
DRMA . 122	Acting-Advanced	3
DRMA . 1261-1281	Stagecraft (3 credits required in any combination)	1-3
DRMA . 2201-2221	Acting Studio (3 credits required in any combination)	1-3
DRMA . 2251	Touring Children's Theatre (offered fall only)	1-3
DRMA . 2271	Touring Rep Part I (2 qtr. commitment)-winter	1-3
DRMA . 2281	Touring Rep Part II (2 qtr. commitment)-spring	1-3
DRMA . 244	Stage Makeup	2
DRMA . 250	Directing for the Stage (offered odd years)	3
Select 6 credits from the following:		
DRMA . 130	Stage Movement	2
DRMA . 216	Acting for the Camera (offered even years)	2
DRMA . 217	Classical Acting	1-3
DRMA . 2301	Stage Combat	2
DRMA . 248	Stage Management	2

Total Credits Required. . 89-101

It is understood that a theatre major will acquire more credits than are transferable to complete this degree.

Important:

*You must sign up for both lecture and lab courses to receive combined lecture and lab credits. Lab credits will display zero as they are included in the lecture credits.

It is extremely important to stay in close contact with your faculty advisor.

DEGREE CHANGES – Page 79

Associate in Arts & Sciences with an Emphasis in Technical Theatre & Design

TRANSFER DEGREE

Option C

A. Communication (10 credits in English, plus 3 credits in Speech)

Course No.	Course Title	Credits
ENGL& . 101	English Composition I	5
ENGL& . 102	Composition II or	5
ENGL& . 235	Technical Writing	5
CMST. . 101	Speech Essentials or	3
CMST& . 220	Public Speaking or	5
CMST. . 110	Communication Behavior or	3
CMST& . 210	Interpersonal Communication or	5
CMST. . 260	Multicultural Communications	5

Math Proficiency X

1. Intermediate Algebra Proficiency requirement: Must do one of the following:

Pass Intermediate Algebra (MATH 095 **or** MATH 098) with 2.0 **or** better.

Pass a Math class that has an Intermediate Algebra Prerequisite.

Place into any Math course MATH 113 **or** above via Placement Test.

B. Quantitative/Symbolic Reasoning (5 credits) 5

Choose one class from the Quantitative Reasoning or Symbolic

Reasoning courses.

1. Quantitative Reasoning:

MATH& 107 **or** any MATH course MATH&141 **or** higher (except MATH& 171) **or**

Course No.	Course Title	Credits
MATH . . 147	Finite Math (Recommended)	5

2. **or** Symbolic Reasoning:

CS 102, CS& 131, CS 162, CS 202, or PHIL 121

C. Humanities (15 credits)

Course selections must also meet the Humanities distribution requirements for the AA degree.

Course No.	Course Title	Credits
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Required:

DRMA& . 101	Intro to Theatre or	5
DRMA . . 215	Survey of Theatre History	5

Recommended:

ART. . . . 116	Art History Ancient World or	5
ART. . . . 117	Art History Medieval-Baroque	5
And 10 additional credits selected from other Humanities Electives.		10

D. Social & Behavioral Science (15 credits)

Course selections must meet the Social & Behavioral distribution requirements for the AA degree.

E. Mathematical & Natural Science (15 credits)

At least 10 credits need to be from science courses. Courses must be selected from two different subject areas. One course must be a laboratory science. A single math course cannot count for both a mathematical and natural science course and a quantitative skill course.

Recommended to include:

PHYS& . . 100	Physics Non-Sci Majors &	4
PHYS& . . 101	Physics Lab Non-Sci Majors	1

F. Health and Physical Education (3 credits)

Selected from PE Activity Classes or Health (HE) Classes

Course No.	Course Title	Credits
HE 230	First-Aid Safety	3

G. Required Electives (22-36 credits)

Courses must be numbered 100 & above.

A maximum of 15 credits may be approved professional technology.

Course No.	Course Title	Credits
DRMA . . 1261-1281	Stagecraft	1-3
DRMA . . 244	Stage Makeup	2
DRMA . . 2461	Stage Lighting	3
DRMA . . 248	Stage Management	2
DRMA . . 2451	Sound Design	3
DRMA . . 242	Design Essentials	3

Acting Classes

Select 3 credits minimum from the following:

DRMA . . 120	Acting-Beginning	3
DRMA . . 2251	Touring Children's Theatre (offered fall only)	1-3
DRMA . . 2271	Touring Rep Part I (2 qtr. commitment)-winter	1-3
DRMA . . 2281	Touring Rep Part II (2 qtr. commitment)-spring	1-3

Recommended Electives

DRMA . . 2431	Stage Costuming	1-3
ENT. . . . 1161	Basic Drafting	5

Total Credits Required. . . 88-102

It is extremely important to stay in close contact with your faculty advisor.

It is understood that a theatre major will acquire more credits than are transferable to complete this degree.



COURSE OFFERINGS

NEW COURSE

AG 289

Agriculture Business Concepts • • • • • 5 Credits

This course is designed to address issues pertinent to the agricultural community including global competition for markets, water rights and the environment, agricultural co-ops, immigration, foreign trade, fiscal policy, and working with government agencies. It is intended as a capstone course to bring together several concepts related to agriculture business. Prerequisites: BUS& 101, ECON& 202, ACCT& 201, ACCT& 202, and AFS 101.

TITLE CHANGE

AMGT 317

BAS Special Topics • • • • • 1-5 Credits

An opportunity to participate in a class dealing with special topics related to applied management that are not covered in depth in the existing curriculum. Topics chosen relate to emerging issues in management/business or topics of regional interest within the management/business arena. Prerequisites: enrollment in the Applied Management program and instructor's permission.

TITLE CHANGE

AMGT 389

BAS Independent Study • • • • • 1-5 Credits

A class designed to explore a specific topic of special interest. Students are required to work 55 hours to earn one credit hour. Prerequisite: enrollment in the Applied Management program and instructor's permission.

TITLE CHANGE

AMGT 417

BAS Special Topics • • • • • 1-5 Credits

An opportunity to participate in a class dealing with special topics related to applied management that are not covered in depth in the existing curriculum. Topics chosen relate to emerging issues in management/business or topics of regional interest within the management/business arena. Prerequisites: enrollment in the Applied Management program and instructor's permission.

TITLE CHANGE

AMGT 470

BAS Internship • • • • • 1-5 Credits

This course is designed to provide students with major-related, supervised, evaluated practical training work experiences which may be paid or voluntary. Students are graded on the basis of documented learning acquired through hands-on new experiences in an actual work setting. Prerequisites: enrollment in the Applied Management program and instructor's permission.

TITLE CHANGE

AMGT 489

BAS Independent Study • • • • • 1-5 Credits

A class designed to explore a specific topic of special interest. Students are required to work 55 hours to earn one credit hour. Prerequisites: enrollment in the Applied Management program and instructor's permission.

NEW COURSE

AMT 250

Automotive Technology Systems Review • • • • • 3 Credits

This combination class/lab is designed to give the student a review of basic knowledge and understanding of vehicle systems including: electrical, engines, brakes, heating and air conditioning, automatic transmissions, and engine performance.

NEW COURSE

AMT 251

Hybrid Operations and Safety • • • • • 3 Credits

This combination class/lab is designed to give the student an overview of hybrid/high voltage vehicles. The class will cover safety, driving characteristics, environmental concerns, and hybrid/high voltage energy principles.

NEW COURSE

AMT 252

High Voltage Basic Operations • • • • • 3 Credits

This combination class/lab is designed to give the student an overview of high voltage batteries, transformers, high voltage wiring, dc-dc converters, safety circuitry, three-phase motors, and high voltage control systems.

NEW COURSE

AMT 253

Basic Maintenance and Servicing of Hybrid Vehicles • • • • • 3 Credits

This combination class/lab is designed to give students the theory and hands-on experience to perform basic preventive maintenance of hybrid vehicles.

NEW COURSE

AMT 254

High Voltage Diagnostics • • • • • 3 Credits

This combination class/lab is designed to give the student theories and strategies for diagnosing high voltage and hybrid specific systems.

NEW COURSE

AMT 255

Component Replacement • • • • • 3 Credits

This combination class/lab is designed to give the student theory and hands-on experience of proper removal and replacement of hybrid components.

NEW COURSE

ANTH 214

Biological Anthropology Lab • • • • • 1 Credit

Biological Anthropology focuses on the use of empirical evidence to place humans in perspective within our historical and biological world. The Biological Anthropology laboratory is designed to allow students, through examples and hands-on exercises, to understand the evolutionary processes that have produced modern humans. This course is designed to complement the Biological Anthropology course (ANTH&205). Prerequisite: have taken or concurrently taking ANTH& 205.

DESCRIPTION CHANGE

ART 2011

Photography I • • • • • 1-3 Credits

This course will introduce students to the foundations of photography/digital photography and photographic composition through various assignments, case studies, and a final project. Students will be introduced to fundamental camera controls and tools used to manipulate or enhance photographic images from image-capture to print. Emphasis will be placed on how photography functions as an interpretive medium. Student supplies digital camera and materials. Recommended: ART 111.

TITLE CHANGE

ECON 305

Managerial Economics [S/B] • • • • • 5 Credits

The course will cover allocation of resources, economic systems, economics institutions and incentives, markets structures and prices, productivity, international economics, the global marketplace, aggregate supply and demand, and public policy towards business. As a final project each student, using information from the class, will prepare a report as to how economics impacts a specific business/company. Prerequisite: acceptance into the Bachelors of Applied Science in Applied Management program.

NEW COURSE

ECON 310

Comparative Economic Systems • • • • • 5 Credits

ECON 310 first classifies and then examines the major economic systems of the world. The course will focus on a general understanding of how economic systems work and how economic theories of growth and development interact with government policy, history, and culture to explain economic performance of different countries. Economies examined in some detail will include several advanced market capitalist countries (e.g., the former Soviet Union, Poland, and China), and other East Asian economies (e.g., South Korea, Malaysia, and India). The economies in Africa and Middle East will also be covered. Prerequisite: enrollment in the BAS program or special permission.

NEW COURSE

ELT 124

Direct Current Circuits • • • • • 5 Credits

Basic principles of electricity and the applications of the fundamental laws to direct current networks. A study of electrical components, magnetism, inductance, capacitance, and elementary network analysis. Prerequisite: ELT 111 with a 2.0 GPA or higher.

NEW COURSE

ELT 134

Alternating Current Circuits • • • • • 5 Credits

Fundamental principles of alternating current: sinusoidal and non-sinusoidal. A study of impedance, phase shift, coupling networks, transformers, and series and parallel resonance using standard vector notation. Prerequisite: ELT 124 with a 2.0 GPA or higher.

NEW COURSE

ELT 151

Electronics 1 • • • • • 5 Credits

The fundamental theory of transistors and other solid-state devices and its verification. Amplifiers, oscillators, and other application using a sinusoidal wave are analyzed. Prerequisite: ELT 134 with a 2.0 GPA or higher.

NEW COURSE

ELT 161

Electronics 2 • • • • • 5 Credits

Construction, characteristics, and application of the various electron tube and semi-conductor devices including newer solid-state devices. Prerequisite: ELT 151 with a 2.0 GPA or higher.

TITLE CHANGE

ENGL 410

Professional & Organizational Communications [C] • • • • • 5 Credits

A study of the skills necessary to communicate effectively in the workplace. Topics include selection of the proper channel and medium for information delivery, team building, business etiquette, and professionalism. This course has a major writing requirement focusing on practical business writing including: students will analyze and prepare correspondence, proposals, and reports. In addition students will prepare an industry specific communication project as final assignment. Prerequisites: successful completion of ENGL& 101 and acceptance into the Bachelors of Applied Science in Applied Management program.

TITLE CHANGE

ENVS 310

Environmental Issues [M/S] • • • • • 5 Credits

Basic concepts of ecology and environmental science are discussed and illustrated through lab experiences and then further elaborated through discussing environmental issues from a strategic business perspective. Discussions include how environmental pressures (e.g. sustainable development) and environmental problems (e.g. global warming, air pollution, waste-disposal), impact corporate mission, competitive strategy, technology choices, product development decisions, production processes, and corporate responsibility. Prerequisite: acceptance into the Bachelors of Applied Science in Applied Management program.

DESCRIPTION CHANGE

FYI 103

First Year Introduction for Trades • • • • • • • • • • 1 Credit

An introduction to the academic and trades culture, purpose, expectations, resources, procedures, policies, and shop safety. Required for all degree or long-term certificate seeking students in Agriculture and Industrial Equipment Technology, Automotive, Machine, and Welding Technology prior to enrollment in second quarter of classes. Students must earn a 3.0 in FYI 103 to register for their second quarter of classes.

NEW COURSE

ICS 100

Cultural and Historical Linked to Travel • • • • • • • • • • 1-3 Credits

An introduction to the history, culture, geography, art, and language of a country or countries, to be followed by a required trip to the area studied for an immersion experience.

NEW COURSE

MATH 092

Special Topics in Mathematics • • • • • • • • • • •1-10 Credits

This course is designed to give special mathematical topics to those students whose needs are not met with the existing curriculum.

PREREQUISITE CHANGE

MATH 095

Intermediate Algebra • • • • • • • • • • • 5 Credits

This course is a rapid coverage of high school-level algebra. Topics include: integer and rational exponents, operations with polynomials and factoring, operations with rational and radical expressions, solving quadratic and rational equations, graphs of lines and parabolas, systems of equations, complex numbers, functions, and applications of all of the aforementioned. Prerequisite: 2.0 or better in MATH 097 is acceptable but not advised or COMPASS test placement. (Previously MTH 095)

PREREQUISITE CHANGE

MATH& 141

Precalculus I [M/S] [Q/SR] **5 Credits**
 Designed to prepare students for entry into basic calculus. Precalculus I together with Precalculus II is designed to prepare students for entry into the calculus sequence: MATH& 151, MATH& 152, MATH& 153, and MATH& 254. The topics include: absolute value, complex numbers, linear and quadratic equations, rational, polynomial, exponential and logarithmic functions, inverse functions, theory of equations, and sequences and series. Prerequisite: grade of 2.0 or better in MATH 095 or COMPASS test placement. Students completing MATH& 141 may not receive graduation credit for MATH& 144. (Previously MTH 154)

NEW COURSE

MATH& 171

Math for Elementary Educ I **5 Credits**
 An introduction to problem-solving principles and strategies, sets and logic, numeration systems, properties of the real number system and its subsystems, and applications of mathematics. Primarily for elementary education majors. This course satisfies the quantitative skills requirement for the AA degree provided that MATH& 172 (previously MATH 122) is also successfully completed. Prerequisite: grade of 2.0 or better in MATH 095, MATH 098, or COMPASS test placement. (Previously MTH 121)

NEW COURSE

MATH& 172

Math for Elementary Educ II **5 Credits**
 An informal approach to the basic ideas of geometry; including construction, congruence and similarity, transformations, symmetry, measurement, and coordinate geometry. This course satisfies the quantitative skills requirement for the AA degree, provided that MATH& 171 (previously MATH 121) has also been successfully completed. Prerequisite: grade of 2.0 or better in MATH& 171. (Previously MTH 122)

NEW COURSE

MATH& 173

Math for Elementary Educ III **5 Credits**
 An elementary introduction to algebraic reasoning, probability, and statistics. Primarily for elementary education majors. This course satisfies the quantitative skills requirement for the AA degree, provided that MATH& 171 (previously MATH 121) has been successfully completed. Prerequisite: grade of 2.0 or better in MATH& 171. (Previously MTH 123)

NEW COURSE

MOP 111

Intro to Machine Operations **7 Credits**
 This course is designed to give the students skills using measuring instruments, and the concepts of machining with a metal lathe.

TITLE CHANGE

MT 102

SolidWorks® for Manufacturing Technology I **5 credits**
 An introduction to solidworks design software. The intent is to guide students through the software so they develop an understanding of how parts are designed as well as the concepts of blueprint construction/reading. The principles of geometric construction and constraints such as perpendicularity, concentricity, and parallelism are stressed so students are able to understand the workings of a precision model. Prerequisite: CA 100 or instructor's permission.

NEW COURSE

MT 202

SolidWorks® for Manufacturing Technology II **5 Credits**
 This course prepares students to take the Certified SolidWorks Associate Exam. Prerequisite: MT 102 or instructor's permission.

CREDIT CHANGE

NT 152

Internship **1-7 Credits**
 Students serve an internship of approximately 320 hours with a company that uses nuclear technicians in radiation protection, nuclear reactor operations, or nuclear reactor maintenance. Students are expected to apply learned skills and training to be a productive employee and the employer is expected to place students in an environment that will build on the first year of study and enhance knowledge of working in the nuclear industry. Prerequisites: instructor/department chair approval and cumulative GPA of 2.5 or higher.

TITLE CHANGE

PHIL 121

Symbolic Logic [Q/SR] **5 Credits**
 study of the principles of formal thinking, which includes an analysis of symbolic theory within a context that encourages the development of logical skills. This course can be used as an elective or quantitative reasoning. Previous completion of MATH 095 is highly recommended. (Previously PHI 121)

TITLE CHANGE

PHIL 305

Professional Ethics [H] **5 Credits**
 This course examines the role of ethics and social responsibility in the management of public and private sector organizations and businesses. An emphasis is on contemporary trends in corporate responsibilities with respect to ethical, legal, economic, and regulatory conditions in the global marketplace. The use of the case study approach is applied to a contemporary business ethical issue. Prerequisite: acceptance into the Bachelors of Applied Science in Applied Management program.

NEW COURSE

PSYC 280

Positive Psychology **5 Credits**
 Historically, psychology has been somewhat negative in orientation, through an emphasis on human weaknesses and liabilities, abnormalities, developmental difficulties, pathology, and treatment modalities. Mental illness, rather than mental health, has been a primary focus for research and practice. The present course will describe how the scope of psychology has recently been broadened to understand positive emotion, build strength and virtue, and provide a framework for creating what Aristotle called the good life. Topics will include happiness (subjective well-being, positive emotions), optimal performance, personal fulfillment, optimal wellness/medical health, emotional intelligence, creativity, optimism, hope, self-efficacy, goals and life commitments, wisdom, spirituality, meaning and purpose in life, and the civic virtues. Prerequisite: PSYC& 100.

NEW COURSE

RPT 111

Radiation Fundamentals **5 Credits**
 This course provides future radiological protection technicians with an overview of radioactivity, sources of radiation, and radioactive decay. Emphasis is placed on plant safety, radiological hazards, and radioactivity containment. Prerequisites: completion of NT 111, NT 114, NT 131, and NT 141 or 142 with 2.5 grade or better.

NEW COURSE

RPT 121

Radiation Monitoring • • • • • 5 Credits
Principles of radiation detection and measurement principles. Application of radiological survey and analysis instruments, sample collection equipment, and calibration sources and equipment. Prerequisites: completion of NT 111, NT 114, NT 131, and NT 141 or 142 and MATH& 146 with 2.5 grade or better.

NEW COURSE

RPT 131

Radiation Effects • • • • • 5 Credits
Radiation biology, radiation effects on simple chemical systems, biological molecules, cells, organisms, and humans. Stochastic vs. deterministic effects, units of exposure, dose and dose equivalent, external dosimetry, internal dosimetry, control of external and internal exposure, detector and instrumentation systems for measuring dose. Prerequisites: completion of NT 111, NT 114, NT 131, and NT 141 or 142; RPT 111 and RPT 121; BIOL& 175/BIOL& 175L with 2.5 grade or higher.

NEW COURSE

RPT 141

Radioactive Materials Handling • • • • • 5 Credits
Radioactive material control and methods to minimize and control external exposure and airborne radioactivity. Prerequisites: completion of NT 111, NT 114, NT 131, and NT 141 or 142; RPT 111 and RPT 121 with 2.5 grade or better.

NEW COURSE

RPT 211

Radiological Safety and Response • • • • • 5 Credits
This course focuses on contamination control and appropriate responses to radiological events. Prerequisites: completion of RPT 111, RPT 121, RPT 131, and RPT 141 with 2.5 grade or better.

NEW COURSE

RPT 222

Radiation Protection • • • • • 5 Credits
Practical applications and demonstrations of radiation protection and health physics. Radiological protection standards, contamination control, radiological incident evaluation and control, decontamination, and environmental monitoring. Prerequisites: completion of RPT 111, RPT 121, RPT 131, and RPT 141 with 2.5 grade or better.

DESCRIPTION CHANGE

RDG 080

Study Techniques • • • • • 1-3 Credits
Students become active learners by developing academic study strategies for college. Topics include needs assessments, campus resources, self (time) management, creating a study system, and test preparation and taking. *Grading is pass/no credit.* This is a directed learning course offered by the Learning Opportunities Center (LOC). Instruction includes textbook and web activities.

DESCRIPTION CHANGE

RDG 081

Study Techniques • • • • • 1-3 Credits
Students become active learners by developing academic study strategies for college. Topics include needs assessments, campus resources, self (time) management, creating a study system, and test preparation and taking. *Grading is pass/no credit.* This is a directed learning course offered by the Learning Opportunities Center (LOC). Instruction includes textbook and web activities.

DESCRIPTION CHANGE

RDG 082

Study Techniques • • • • • 1-3 Credits
Students become active learners by developing academic study strategies for college. Topics include needs assessments, campus resources, self (time) management, creating a study system, and test preparation and taking. *Grading is pass/no credit.* This is a directed learning course offered by the Learning Opportunities Center (LOC). Instruction includes textbook and web activities.

DESCRIPTION CHANGE

WT 100

Basic Welding • • • • • 1 Credit
A basic introduction to welding designed for students exploring the trade. Introductory information about various welding processes is presented, including safety concepts. Concurrent enrollment in WT 1001 is required.

DESCRIPTION CHANGE

WT 1001

Basic Welding Lab • • • • • 1-3 Credits
This class is designed for students wanting to explore the welding trade. It is also available for Automotive students to meet their required welding class. This class provides hands-on demonstrations, as well as personalized instruction of various welding applications, including safety, set-up and tear down, and methods of operation for oxy-acetylene, arc welding, and wire feed welding.

