Redlands Community College
2007 - 2008 Catalog

REDLANDS COMMUNITY COLLEGE
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All information supplied in this publication is accurate at the time of printing; however, changes may occur and will supersede information in this publication. This publication is printed by and issued by Redlands Community College. 500 copies were printed at a cost of $1552.00. The publication is also available in electronic format on the RCC website at redlandscc.edu.

Redlands Community College complies with all applicable Federal and State laws and regulations and does not discriminate on the basis of race, color, national origin, gender, age, religion, disability or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to, admissions, employment, financial aid, and educational services.

Redlands Community College is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

Redlands Community College is also in compliance with Public Law 010-226, the Drug-Free Schools and Community Act Amendment of 1989 and the Drug-Free Workplace Act of 1988. In support of the intent of these laws, Redlands Community College maintains an alcohol, tobacco, and drug-free campus and prohibits the use of alcohol and/or illicit drugs by students and employees on college property or as part of any college activity, and prohibits the use of tobacco inside campus buildings.
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Message From The President

RCC, through the course and content activities highlighted in this catalog publication intends to help and support you in your educational enhancement goal. Providing opportunities for you to learn are the basis of RCC's staffing, instructional programming and operations.

Facilitating area learner opportunities through cooperative, collaborative, and contracted experiences is the cornerstone of Redlands operational design. The statistical evidence is readily available to illustrate that lifelong learning is the key to enhanced economic and social quality of life for those that participate in learning activities. Further, labor statistics indicate that over seventy-five percent of the labor force in the next few years will be required to hold at least an associate or two year degree.

In your review and usage of the RCC catalog, you will find varied course and program delivery modes. RCC's intent is to allow you to prepare and schedule in ways which fit your particular schedule and still be able to select from a variety of delivery options. Regular course and program delivery formats encompass seminars, on-site field internships, television and multimedia enhanced clinical and tutorial instruction to cite just a few options. In addition, you can choose courses delivered online through WebCT, IETV, or satellite down linked. Further, RCC provides open computer and Internet access in the college’s Information Commons, Library and program specific multimedia labs, all aimed at enhancing course support and student research options.

Integral to your overall career plans are RCC career and placement services along with student support services, such as those provided by RCC financial aid, assessment and advisement. These and other student services can be a key to articulation for career licensure or transfer to professional degree completion.

Redlands Community College thanks you for choosing RCC to continue your education. Your desire for self enhancement, whether through degree preparation, licensure or continuing education is our central mission and we wish you success in your efforts.

Dr. Larry F. Devane
President
GOVERNING BOARDS
2007-2008

Oklahoma State Regents for Higher Education
Bill W. Burgess Jr., Chairman
Ronald H. White, M.D., Vice Chairman
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Julie Carson, Member
Marlin "Ike" Glass, Member
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Vicki Myers (Vice-Chair)
Leroy Bridges (Secretary)
Bill Pope
Roger Pryor
Linda Langmacher
Terry Dean
ACADEMIC CALENDAR
2007-2008

Fall 2007 Semester

Semester begins (first day of classes) ................................................................. August 20, 2007
Last Day to Add/Drop 1st Eight-Week Classes ................................................... August 24, 2007
Last Day to Add/Drop 16-Week Classes ............................................................... Aug 31, 2007
Labor Day (RCC Closed) .................................................................................. Sept 3, 2007
Last Day to Withdraw from 1st 8-Week Classes ............................................... Sept 28, 2007
First Eight-Week Classes End ........................................................................... October 12, 2007
Second Eight-Week Classes Begin .................................................................... October 15, 2007
Fall Break (RCC Closed) .................................................................................. October 18-19, 2007
Last Day to Add/Drop Second Eight-Week Classes ....................................... October 23, 2007
Last Day to Withdraw from 2nd 8-Week & 16 Week Classes............................. Nov 9, 2007
Oklahoma Centennial Statehood Day (RCC Closed) ........................................ Nov 16, 2007
Thanksgiving Vacation (RCC Closed) ............................................................... Nov 21-23, 2007
Semester Ends .................................................................................................. December 14, 2007
Winter Holiday Break(Campus Closed) .......................................................... December 19 –January 3, 2008

Spring 2008 Semester

Holiday – Martin Luther King Day (Campus OPEN – No Classes) ..................... January 21, 2008
Class Work Begins 8:00 a.m. ............................................................................. January 22, 2008
Last day to Add/Drop 8-Week Course ............................................................... January 28, 2008
Last Day to Add/Drop 16-Week Classes ........................................................... February 1, 2008
Last Day to Withdraw from 1st 8-Week classes ............................................. February 29, 2008
1st 8-Weeks End ............................................................................................... March 14, 2008
Spring Break (No Classes) ................................................................................. March 17 - 21, 2008
Spring Break (Campus Closed) ........................................................................ March 20-21, 2008
Holiday – Good Friday (Campus Closed) ......................................................... March 21, 2008
2nd 8-Weeks Begin ............................................................................................ March 24, 2008
Last Day to Add/Drop 2nd 8-Week Course ...................................................... March 28, 2008
Last Day to Withdraw from 2nd 8-Week & 16 Week Classes ............................ April 18, 2008
Semester Ends .................................................................................................. May 16, 2008
Commencement ............................................................................................... May 16, 2008
Holiday – Memorial Day (Campus Closed) ..................................................... May 26, 2008
COLLEGE INFORMATION

ACCREDITATION
Redlands currently holds the maximum ten year accreditation from the Higher Learning Commission of the North Central Association of Colleges and Schools:

Higher Learning Commission
30 North LaSalle Street, Suite 2400
Chicago, Illinois 60602-2504
800-621-7440
www.ncacihe.org

The Redlands nursing program is accredited by the National League for Nursing Accrediting Commission (NLNAC), holding a maximum eight-year accreditation.

National League for Nursing Accrediting Commission
61 Broadway
New York, New York 10006
212-363-5555
www.nlnac.org

The Redlands nursing program is approved by the Oklahoma Board of Nursing (OBN), holding the maximum approval of 5 years.

Oklahoma Board of Nursing
2915 North Classen Blvd., Suite 524
Oklahoma City, Oklahoma 73106
405-962-1821
www.yourOklahoma.com/nursing

FACILITIES AND LOCATION
Redlands Community College is located in El Reno, Oklahoma, 25 miles west of Oklahoma City in central Oklahoma. Easily accessible to commuting students, El Reno is at the crossroads of several major highways. RCC’s buildings are all accessible to the disabled.

Facilities include the following:
- Ray Porter Academic Complex
- James E. Bass Student Center
- Conference Center
- A. R. Harrison Learning Resources Center
- Larry F. Devane Multimedia Lifelong Learning Center
- Culture Center
- Darlington Hall
- Physical Education Center and Natatorium
- Health South/Wellness Center
- Baseball Complex
- Bill S. Cole Occupational/Educational Building
- Gemini Center
- Physical Plant
- Equine Center
- Darlington Agriculture Education and Applied Research Center
- Redlands Community College Royse Ranch
- DeLaval

GOVERNANCE
Redlands Community College is governed by the Oklahoma State Regents for Higher Education and the Redlands Community College Board of Regents.

HISTORY OF THE COLLEGE
Redlands Community College is a fully accredited two-year college in the Oklahoma State System of Higher Education. The college was founded in 1938 under the auspices of El Reno Public Schools, District I-34, and was originally housed in the basement of El Reno High School. Later, the college moved to the former El Reno Post Office, which was converted into classrooms, laboratories, and offices for the growing institution.

In 1971, the public school district junior college ceased to exist, and the people of the district voted to establish a full-fledged junior college district under the governance of the El Reno Junior College Board of Regents. Later, in 1974, legislation was passed establishing the college as a full member of the Oklahoma State System of Higher Education. On September 1, 1991, the name of the college was officially changed to Redlands Community College.

Redlands Community College undertook the first phase of construction on its present site north of Interstate 40 at 1300 S. Country Club Road in 1971. Over the years, the campus has grown to include seven buildings and now encompasses 55 acres. The 150 acre Darlington Agriculture Education and Applied Research Center and the 310 acre Redlands Royse Ranch are located north of El Reno and house all agriculture and equine operations.

MISSION OF THE COLLEGE
The mission of RCC is to prepare students for lifelong learning in a high technology, fast-paced environment. By investing in a technology infrastructure, professional development of employees, and a flexible curriculum, Redlands Community College will prepare students for the 21st Century. The components of the Mission Statement include:
- Provide programs consistent with the first two years of a baccalaureate degree program;
- Offer an innovative curriculum designed to enhance collaborative learning;
• Provide opportunities for students in a supportive learning environment to develop leadership skills to function in a culturally diverse society;
• Provide clubs and organizations which focus on student needs and student success;
• Provide an environment of planned change based on imagination and a shared vision;
• Become a dynamic leader in services provided to the local, regional, and global community;
• Provide one-year and two-year occupational and technological programs, preparing graduates for jobs in industry, business, and service occupations;
• Participate in programs that enhance the economic development at the local, state, and national level.

IN SUPPORT OF ITS MISSION, RCC PROVIDES:
• General education opportunities to meet the needs of individuals at all social and economic levels;
• Programs of adult and continuing education;
• Complete and effective services for students;
• Balanced programs of students activities;
• Programs designed to improve the cultural, economic and social environment of the service area;
• Programs of developmental education for those whose previous educational experiences have not allowed them to achieve their potential.

GENERAL EDUCATION PHILOSOPHY
The general education philosophy of Redlands Community College is to prepare students for the continuation of lifelong learning through the development of competent communication, efficient problem solving and successful life skills. Redlands Community College is committed to providing knowledge to a diverse student population, reflecting varied ages and life situations. Redlands Community College recognizes individual learning styles by providing traditional and alternative educational opportunities to ensure student success for the 21st century.
ADMISSION AND ENROLLMENT

RESIDENCE REQUIREMENTS

Resident of Oklahoma
A resident of Oklahoma is one who has lived continuously in Oklahoma for at least 12 months duration and whose domicile is in Oklahoma. A person’s domicile is his or her true, fixed, permanent home or habitation. It is the place where the person intends to remain and to which he or she expects to return. A person can have more than one residence, but only one domicile. Domicile has two components—residence and the intention to remain. When these two occur, there is domicile.

Nonresident of Oklahoma
A nonresident of Oklahoma is an individual who has not resided in Oklahoma for the last 12 months and has not established a domicile in Oklahoma; a person whose only purpose to be in Oklahoma is to attend school.

International Student
An individual who is not a citizen of the United States may become eligible for classification as an Oklahoma resident, provided he or she holds permanent resident status as defined by the Immigration and Naturalization Service, evidenced by the issuance of a green card; he or she also has resided in Oklahoma for at least 12 consecutive months following issuance of the green card.

Burden of Proof
The burden of proof of residence status or domicile shall be upon the applicant. Students filing an appeal for reclassification of his or her status shall do so on forms provided by the Registrar’s Office.

CRITERIA FOR ADMISSION

Resident of Oklahoma
Any resident of Oklahoma who (a) is a graduate of an accredited high school and/or (b) has participated in the American College Testing program is eligible for admission to Redlands Community College. Non-High School Graduates, see page 9.

Nonresident of Oklahoma
A nonresident of Oklahoma, in order to be eligible for admission to any institution in the Oklahoma State System of Higher Education, (a) must be a graduate of a high school accredited by the appropriate regional association or by an appropriate accrediting agency of his or her home state, and (b) must have participated in the American College Testing program or a similarly acceptable battery of tests.

Placement Testing Requirements
Placement testing prior to enrollment is required for all first-time entering students who have not taken the ACT or students who score less than 19 in any subject area of the ACT.

Transfer Students from an Oklahoma College
Students who transfer from other higher education institutions to Redlands Community College must submit official transcripts from all institutions attended. Students who have earned less than 32 semester hours of college credit or have graduated from high school less than two years before the date of application must submit high school transcripts and ACT scores. Failure to submit all required records may make the student ineligible to enroll for a second semester.

- Each resident undergraduate must meet retention standards at Redlands Community College as specified in this catalog. See Academic Information–Scholastic Requirements for Continued Enrollment.
- Resident undergraduates who do not meet RCC retention standards may be admitted on a probationary basis. A student will be allowed to continue on a probationary basis if he or she achieves a minimum 2.0 GPA. A student who achieves RCC retention standards for all college courses attempted will be removed from probation.
- Transfer hours will not be posted to RCC transcript until one semester has been completed at Redlands Community College.

Transfer Students from Out-of-State Colleges
Transcripts of record from colleges or universities accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools or other regional associations will be given full value and must be submitted with an application for admission along with ACT scores. Students who have earned more than 32 semester hours of college credit or graduated from high school more than two years prior to the date of application are not required to submit ACT scores, but they may be required to take placement examinations before enrolling in reading intensive courses, College Algebra, or English Composition I.

- Transfer hours will not be posted to RCC transcript until one semester has been completed at Redlands Community College.

Transfer Students from Non-Accredited Colleges
Transcripts of record from institutions not accredited by a regional association will be evaluated on the basis of
recommendations contained in the current issue of the Transfer of Credit Practices of Designated Educational Institutions, published by the American Association of Collegiate Registrars and Admission Officers. Transcripts of record from institutions not accredited by a regional association will be evaluated on an individual basis.

**Concurrent Students**
A junior or senior student enrolled in an accredited Oklahoma high school or a Home schooled student may be admitted provisionally to Redlands Community College as a special student, if the requirements set forth as follows are met:

- the student must meet the published criteria of the Oklahoma State Regents for Higher Education (other than high school graduation) for admission to Redlands Community College;
- the student must be enrolled in less than a full-time load (fewer than six courses per semester) at the high school attended, as attested by the high school principal;
- the student must be eligible to complete requirements for graduation from high school no later than the spring of the senior year, as attested by the high school principal.

A high school student admitted under these provisions may enroll in a combined number of high school and college courses per semester not to exceed a full-time college work load of 19 credit hours.

A student who is eligible under this policy may enroll in a maximum of nine credit hours during a summer session or term at a college or university of the state system following the end of the junior year of high school.

**Non-High School Graduates**
Any adult resident of Oklahoma (18 years of age or older) who has had his or her high school education interrupted before graduation is eligible for provisional admission as a special student to Redlands Community College as follows:

- his or her high school class must have been graduated prior to the beginning of the term he or she wishes to enter;
- the application is reviewed and assessed as a part of the admission process and the applicant is then appropriately advised.

The provisional admission will be probationary for a period of two semesters. If, at the end of that time, he or she has made satisfactory progress (see retention standards), he or she may continue to enroll as a regular college student.

**Ability To Benefit (ATB)**
Federal regulations state that a student must demonstrate an ability to benefit from college before receiving aid. Students, therefore, must demonstrate one of the following ATB requirements:
1. High school transcripts showing graduation, or
2. General Education Development (GED) certificate, or
3. COMPASS test with a minimum score of 25 on Pre-Algebra/Numerical, 62 on Reading, and 32 on Writing, all completed in one test session, or
4. College transcript with 60 or more transfer hours.

**International Students**
All correspondence relating to international student admissions should be sent to:

Office of Admissions and International Relations
Redlands Community College
1300 S. Country Club Road
El Reno, OK 73036

International student admissions standards and procedures can be located at www.redlandscc.edu under “Prospective Students International Students.” Redlands Community College will issue a Form 1-20 only after the student has met all conditions required for admission.

**AMERICAN COLLEGE TEST- ACT**
Oklahoma State Regents for Higher Education regulations specify all students who are admitted to an accredited institution of higher learning in Oklahoma must take the ACT examination.

Redlands Community College has been designated as a national testing center for the ACT. Students wishing to take the National ACT must register by completing a packet of information and mailing the forms directly to ACT. Packets may be obtained from area high schools or from the Academic Advisement and Assessment Center, North Lab, LRC 21-A, located on RCC’s campus.

The Residual ACT is administered by the college according to a published schedule. The residual test results are used to complete admission requirements and for student placement purposes.

Students wishing to take the Residual ACT need to check the published dates, times, and places for testing at RCC. Preregistration through the North Lab, LRC 21-A, is required. Residual testing is available for students who are enrolled, have been admitted, or are in the process of applying to RCC.

**ADMISSION TO SPECIAL PROGRAMS**
Admission to the college does not guarantee entrance to special programs. All prospective nursing students must meet admission requirements of the nursing program.
Admission to Honors Program
Redlands Community College offers honors courses which provide students special opportunities and challenges commensurate with their academic abilities. Students who wish to be a part of this program must complete an application for admission and must meet at least one of the following criteria:

- An ACT score of 22 or above, or
- An ACT score of 20 and a grade point average of at least 3.25 from a college, or
- An ACT score of 20 and a grade point average of at least 3.25 from a high school, or
- Demonstrate special abilities and talents and complete a successful interview with the Honors Council.

Honors classes are identified with an (H) following the course title in the class schedule and on the student’s transcript. Students are given honors credit on their official transcripts.

Admission to Nursing Program
The RCC nursing program is approved by the Oklahoma Board of Nursing. Graduates of this state-approved program are eligible to apply to write the National Council Licensure Examination (NCLEX) for registered nurses. Applicants for Oklahoma Licensure must meet all state and federal requirements to hold an Oklahoma license to practice nursing. In addition to completing a state-approved nursing education program, requirements include submission of an application for licensure with a criminal history records search and successfully passing the licensure examination. Applications for practical nurse licensure must also hold a high school diploma or a graduate equivalency degree (G.E.D.) [59 O.S. 567.5 and 567.6]. To be granted a license, an applicant must have the legal right to reside in the United States (United States Code Chapter 8, Section 1621). The Board has the right to deny a license to an individual with a history of criminal background, disciplinary action on another health-related license or certification, or judicial declaration of mental incompetence [59 O.S. 567.8].

These cases are considered on an individual basis at the time application for licensure is made, with the exception of felony charges. An individual with a felony conviction or who had sentencing terms imposed by the court related to a deferred sentence for a felony offense cannot apply for licensure for at least five years after completion of all sentencing terms, including probation and suspended sentences, unless a presidential or gubernatorial pardon is received [59 O.S. 567.5 and 567.6].

The RCC nursing program leads to the Associate in Applied Science Degree in nursing. Admission into category I of the nursing program (pre-nursing courses) is open to all RCC students. To insur high quality instruction, class enrollment in category II (nursing major courses) is limited each year. Enrollment in category I does not insure admission into category II of the nursing program. Student selection is made by an admissions committee in the spring preceding fall admission.

A part of the program’s curriculum may be challenged by qualified applicants. Articulation into category II of the nursing program is available for LPNs who have graduated from an NLNAC accredited LPN program. Contact the nursing department for detailed application information including specific deadline dates and the selection procedures.

ADMISSION-ENROLLMENT PROCEDURES
New Students
Students who have never attended Redlands need to complete the following admission and enrollment procedures:

- Complete an application for admission and submit to the Office of Admissions, along with copies of high school transcripts, ACT scores, an official transcript from each college attended, and GED scores, if applicable.
- See an academic advisor in the Student Services Center to select courses for the upcoming semester. Assessment Testing may be required prior to selection of courses. See Placement Testing Requirements.
- Following course selection with an advisor, submit registration form to Office of Records/Registrar. A copy of the enrollment for the upcoming semester will be given to the student.
- Have a photo identification card made.
- Last, go to the Business Office to pay tuition. The student is responsible for costs according to the fee schedule. See Enrollment Fees and Tuition Payment Schedule on page 12.
- When a student enrolls, he or she is responsible for enrollment fees and charges. These charges will not be canceled or refunded unless the student initiates a formal withdrawal before classes begin. Students who fail to pay fees, or to make suitable arrangements for payment of fees, may be denied admission to classes the following semester. See refund policy.

Telephone Enrollment
Redlands Community College offers students the opportunity to enroll by telephone if they are an established student, having previously attended RCC within the last two years. Call Student Services at (405) 422-1417 and ask for an advisor.

Withdrawals
Withdrawals after the official add/drop period (from any class or complete withdrawals) must be completed in person by the enrolled student or in writing by mail or fax and signed by the enrolled student. Telephone withdrawals will not be accepted. Written withdrawals should be addressed to the attention of Student Services. Faxed withdrawals should be faxed to (405) 422-1239. Be sure to include a contact telephone number with the withdrawal request.

ADMISSIONS
CLASSIFICATIONS

Regular Admission
Admission requires the student to have a completed application for admission, transcripts of all high school (or GED scores) and college work attempted, and ACT scores on file in the Office of Admissions & Records.

Students who have earned more than 32 semester hours of college credit or who have graduated from high school more than two years prior to the date of application are not required to submit ACT scores, but may be required to take placement examinations before enrolling in reading intensive courses, College Algebra, or English Composition I.

Provisional Admission
In some cases, students may be enrolled without having all of the above mentioned documents on file. Provisional enrollment is usually allowed for no longer than one term.

Probationary Admission
Any adult resident of Oklahoma, 18 years of age or older, who is not a high school graduate, is eligible for probationary enrollment if the student’s high school class has graduated. This status will be maintained for two semesters.

If, at the end of that time, he or she has made satisfactory progress according to the retention policies of the institution, he or she may enroll as a regular student.

This category of admission may also be granted to transfer students who do not meet the minimum standards. These standards must be met within one semester, or the student will be suspended.

Audit Enrollment
Any person eligible for regular admission may, with the consent of the Registrar, enroll in a course for audit. Request to change to audit status after midterm will require approval of the instructor. The student must adhere to the instructor’s class attendance policy and may be withdrawn from the class for non-attendance.

The same tuition and fees are charged for auditing as for credit. Auditing notation is entered on the transcript of the student. A student who originally enrolls for audit may not change to a credit course.

Senior Citizens Audit Program
Oklahoma residents who are 65 years of age or older may enroll on an audit basis in academic courses, contingent upon space being available, and the tuition will be waived. The policy applies only to academic courses.

TUITION
Tuition and Fees are approved by the Oklahoma State Regents for Higher Education and are subject to change without notice.

When a student enrolls, he or she is responsible for enrollment tuition and fees. These charges will not be canceled or refunded unless the student initiates a formal withdrawal before classes begin. Students who fail to pay tuition and fees, or to make suitable arrangements for payment of tuition and fees, may be denied admission to classes the following semester.

Oklahoma Resident

<table>
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<tr>
<th>Per Credit Hour</th>
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<tr>
<td>On-Campus Tuition</td>
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<td>Alternative Ed/Off Campus Tuition</td>
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Non-Oklahoma Resident

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<tr>
<td>On-Campus Tuition</td>
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<td>Alternative Ed/Off Campus Tuition</td>
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International Student

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<th>Per Credit Hour</th>
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<tbody>
<tr>
<td>On-Campus Tuition</td>
</tr>
<tr>
<td>Alternative Ed/Off Campus Tuition</td>
</tr>
</tbody>
</table>

Audit a Course (without credit):
Same charge as regular fees

FEES

Miscellaneous Fees
In some services and courses, special services, supplies or equipment may be used. Costs for these are not normally covered by tuition or departmental operating budgets, and therefore, are incurred by the student. Special charges are itemized below and reflected in student bills.

Course Fees

<table>
<thead>
<tr>
<th>Per Credit Hour</th>
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</thead>
<tbody>
<tr>
<td>Ag/Equine</td>
</tr>
<tr>
<td>Art</td>
</tr>
<tr>
<td>CMSC/BUS/AMT</td>
</tr>
</tbody>
</table>
Special Fees

Academic Systems Course Fee (including textbook).............................$75.00
Admissions Fee (upon initial enrollment)...............$25.00
Graduation Fee...............................................$50.00
Transcript (per official copy).................................$5.00
Transcript (per unofficial copy)...............................$1.00

Special Nursing Fees

Clinical Travel/Parking.................Varies/Location
Graduation Fees.....................................$50.00 - 200.00
Lab Supply Kit......................................$200.00 - 275.00
Licensure Testing Fees......................$300.00 - 350.00
Miscellaneous......................................$30.00 - 200.00
Uniforms and Equipment...............$150.00 - 250.00
Standardized Tests (per course)..............$75.00 - 100.00
Student Malpractice Insurance (annually)....$25.00
Student Photo Name Tags..................$10.00
Textbooks/Materials (per course)............$800.00 - 1500.00
Graduation Photos/School Pin.................$50.00 - 200.00
Health Insurance (Annually)......................$15.00-75.00 per year
Copying and Printing..............................$100.00 per semester

Testing Fees

Contact the North Lab, LRC 21-A, for information on specific testing fees.

TUITION AND FEES PAYMENT SCHEDULE

Methods of Payment

• Oklahoma Residents: $88.00 per semester hour. *(Tuition rates are subject to change)*
• Nonresident Tuition: $163.00 per semester hour. *(Tuition rates are subject to change)*

In addition to the fees above, certain classes will have additional fees based on the costs of materials and services provided for these classes.

Withdrawals

Withdrawal (whether from any class or a complete withdrawal) must be completed by the enrolled student in person or in writing as described below. Telephone withdrawal will not be accepted. The following process must be adhered to – whether to “drop a class” or “withdraw from all classes”: Contact the Student Services Office to obtain the proper form; then, obtain all necessary approvals (Instructor, Student Services, Financial Aid, Business Office, and Registrar’s Office). Until the proper form has been approved and processed by the Registrar’s Office, the student is not considered to have made a change in his or her registration. Written withdrawal requires the use of the proper form that can be obtained from the Office of Student Services or from the Redlands Community College Website. You may contact Student Services at 405-422-1417. The form should be returned by mail to the Office of Student Services, Redlands Community College, 1300 S. Country Club Road, El Reno, OK 73036, or faxed to 405-422-1239. Please be sure to provide a current contact phone number with your request.

The student must follow-up to ensure that a fax or mail request has been received and processed. Please refer to the current catalog for clarification.

Refunds of Fees & Tuition

The refund policy for fees and tuition (except for Title IV recipients) collected from students shall be as follows:

1. Withdrawals and Changes of Enrollment

A. Changes in schedules and complete withdrawals from the institution during the defined add/drop period will result in full charges for courses added and full credit for courses dropped. No refunds will be made after the add/drop period for that session except as stipulated for Title IV recipients.

B. The refund policy for fees and tuition collected from Title IV recipients shall be as follows: The Higher Education Act Amendments of 1992, (Title IV, Part G, and 484V) require that each institution refunds unearned tuition, fees, room and board, and other charges to students who withdraw from an institution before the end of the semester or term.

The Higher Education Act defines a “fair and equitable refund policy” as a policy that provides for a refund in an amount of at least the largest of the amounts provided under:

a. The requirements of applicable state law;
b. The specific refund requirements established by the institution’s nationally recognized accrediting agency and approved by the Secretary of Education; or
c. The Federal Government has set guidelines concerning students who receive Title IV Aid and completely withdraw from school or stop attending courses. Any student making a complete withdrawal or that stops attending their classes who received a Federal Pell Grant, SEOG, Subsidized Stafford Loan, Unsubsidized Stafford Loan or a Parent (PLUS) Loan, will be required to pay back money to the school immediately if they
drop out or stop attending courses before 60% of the semester has been finished. After the calculations are figured, the Redlands Community College Financial Aid Office will notify any student that might owe money back to the Federal Government. Your Financial Aid Satisfactory Academic Progress status will also be evaluated at the end of the semester and you will be notified accordingly.

2. Fees Applicable Only for Current Semester—Fees are applicable only for the current semester. If a student withdraws and is entitled to a refund, the amount of the refund cannot be carried forward as a credit to a subsequent session.

3. Refunds for Classes Offered on a Non-Standard Schedule—Institutions may refund tuition and fees paid by a student who must withdraw from a course offered on a schedule that differs from the standard 16-week term or 15-week trimester. Each institution may develop refund procedures for courses offered on a non-standard schedule.

4. Reminder: If you receive financial aid assistance and you drop classes or withdraw from college, you may be responsible for paying back to the federal government some or all of the financial aid you have received.

Methods of Payment
- Account balances for tuition, fees, housing, and/or books must be paid in full at time of enrollment.
- Cash, check, money order, credit card, financial aid award letter, or enrollment in FACTS Payment are all acceptable methods of payment.
- Any items not allowed or balances not covered by financial aid award letter will be due at time of enrollment and can be paid by cash, check credit card, or enrollment in FACTS Payment Plan.
- Payments in full can be made at the Business Office with cash, check, money order, or credit card.
- Monthly payments can be made through the FACTS Tuition Management Program. See the Business Office for details or visit the RCC website at www.redlandscc.edu and look for the online tuition payment site. (Note: The FACTS plan requires an established checking or savings account.)

Fee Schedule for Late Payment of Account
- Payment at time of enrollment – no penalty.
- A minimum of $50 per enrollment period will be charged for any late payment of the account balance that does not meet the payment requirements listed above under “Methods of Payment.” This fee will be assessed on any unpaid account balance as of the first day of classes for each enrollment period.
- An additional monthly late payment penalty may be assessed for any unpaid account balance after the official add/drop period ends.
- The first late payment penalty of $3.00 per credit hour enrolled may be assessed immediately following the end of the add/drop period.
- Additional late payment penalties may be assessed for each month an account carries any unpaid balance. Each month this charge is assessed, the penalty will be at the rate of an additional $3.00 per credit hour enrolled and added to the previous late payment penalties assessed.
- Students who receive financial aid will be required to pay any balance not covered by the financial aid immediately after financial aid is dispersed in order to not be assessed the minimum or monthly late payment penalties.
- Students who enroll in the FACTS Tuition Payment program at the time of enrollment will not be assessed a late payment penalty as long as the FACTS account remains in good standing. Terminating the FACTS account prior to completion of the payment plan may result in late payment penalties in addition to the charges assessed by the FACTS Tuition Payment program.
- Failure to pay all charges and penalties owed by the end of the current semester will result in a hold on future enrollment and transcript. The account may be turned over to an outside collection agency and a fee may be assessed for the collection process.

Refund of Audit Fees—Audit fees are not refunded.
STUDENT SERVICES CENTER
Student Services is a resource for assisting prospective students in making a smooth transition into programs at RCC, as well as assisting all students in realizing their potential. The Student Services staff assists students in planning an educational program, as well as helping them to accomplish educational goals. The Student Services Center is located within the main academic complex.

ACADEMIC ADVISING
Redlands Community College has created an advisement system to assist students in planning their academic program. Students meet with an advisor who will help in the preparation of each semester’s class schedule and will provide information pertinent to the student’s educational program. Enrollment may be completed as soon as schedules are available for each semester.

ACADEMIC ASSESSMENT AND ASSISTANCE CENTER
The Academic Assessment and Assistance Center, North Lab, is located on the second floor of the A.R. Harrison Learning Resources Center, LRC 21-A. Services include providing a tutorial facility, staffed and equipped to assist students with specific learning goals.

Skill building, subject review and/or enrichment, and computer assisted instruction are available to students on an elective basis or by instructor referral. Testing services include administering Advanced Standing exams, as well as the ACT, CLEP, DANTES, and other standardized tests, to students.

CAREER EDUCATION
Redlands Community College is preparing students for lifelong learning by offering a variety of services to enhance the career planning and exploration process. Career planning is a process involving four steps:

- Self Assessment
- Knowledge about the Career Fields
- Knowledge about the Job Market
- Knowledge about how to Prepare and Market Yourself

Redlands Community College has moved toward a Career Services model with extensive efforts to provide career awareness and opportunities to a wide variety of students, while developing meaningful internship and experiential learning experiences. Students may enroll in courses for college credit while exploring the options for the future. Opportunities such as career exploration, resume preparation, portfolio planning, internships, and business leadership. Real world experiences and networking are learned through business and industry tours, job skills training, business leadership, and internships. Students are offered the opportunity to receive special assistance in obtaining career information through personalized career exploration or to simply sit and browse through an assortment of information related to careers, education, and employment opportunities.

Employers, recruiters, and business and industry representatives may contact Career Education to post job announcements, schedule on-campus interviews and recruiting, and request other services related to labor market opportunities.

Career Education hosts a Career Expo during the spring semester. The Career Expo provides students and members of the community the opportunity to visit with business, education, and technical services representatives regarding careers, training, and labor market information. Students may contact Career Education for additional information. While Career Education has been structured in a variety of ways, it currently exists as a department within the Student Services umbrella and provides a number of service options to Redlands students and the communities within the five-county service area of Redlands Community College.

ACADEMIC SUPPORT PROGRAMS
Project AIMS
Project AIMS is a federally-funded student support services TRIO program that helps eligible students maximize their potential for success. AIMS offers intensive academic advising and counseling, innovative instruction and tutorial support, and specially designed, skill-building workshops. Assistance in transferring to a four-year institution and opportunities for cultural enrichment also are available. Students interested in Project AIMS should complete an application, available in the Student Services Center.

Project G.O.A.L.S.
G.O.A.L.S. is a special program designed to meet the specific needs of primarily single parents returning to school. It provides a wide variety of services to assist students in achieving their academic and life goals. Students must meet specific income guidelines.

Scholars for Excellence in Child Care
The SECC Program is a comprehensive scholarship program for early childhood care providers. The SECC program ensures that eligible child care professionals in
the state of Oklahoma have an opportunity to attend a
two-year college to further their education while earning
a Child Development Associate (CDA) Credential, Certificate of Mastery, and/or an Associate Degree in
Child Development or Early Childhood Education.

Program participants are provided intensive
academic advising and counseling, innovative
instruction and tutorial support, and academic mentoring
by the program academic support coordinator.

This scholarship may pay a percentage of the
recipient’s book and tuition costs each semester. Recipients also can receive a travel stipend for each
semester they are enrolled in classes and also may
receive partial reimbursement to cover childcare
substitute teacher costs while the scholarship recipient is
completing the program. Contact the SECC office for
eligibility requirements.

FINANCIAL AID

The financial aid program at RCC is designed for
qualified students who might not be able to continue
their education without financial assistance. Eligible
students may receive grants, loans, scholarships, student
employment or a combination of these programs. The
college participates in the following programs: Pell
Grant, SEOG, ACG, work study, Stafford loans, PLUS
loan and all financial aid programs administered by the
Oklahoma State Regents.

Financial assistance is available to degree-seeking
students and students who are seeking certain certificates
of mastery from RCC. Students taking non-credit
classes, enrolling in college classes while still in high
school, or merely taking classes, but not pursuing a
degree or certificate are not eligible for assistance
through the Federal Student Aid Programs.

To apply for Federal Student Aid, applicants must
complete the Free Application for Federal Student Aid
(FAFSA). This is a free process that must be completed
each academic year. Students may apply online at
www.fafsa.ed.gov or by mailing a completed paper
application to the U.S. Department of Education.

Ability To Benefit (ATB)

Federal regulations state that a student must demonstrate
an ability to benefit from college before receiving aid.
Students, therefore, must demonstrate one of the
following ATB requirements:
1. High school transcripts showing graduation, or
2. General Education Development (GED) certificate, or
3. COMPASS test with a minimum score of 25 on Pre-
   Algebra/Numerical, 62 on Reading, and 32 on Writing, all
   completed in one test session, or
4. College transcript with 60 or more transfer hours.

Satisfactory Academic Progress

Satisfactory academic progress is defined as the
successful continued progression toward the attainment
of an educational degree or certificate. Academic
progress is reviewed at the end of each semester to
determine if students on federal student aid may
continue to receive funds.

A Student applying for assistance through the
Federal Pell Grant, SEOG, work study, Stafford Loan,
and Parent PLUS Loan programs are required to meet
three separate requirements to maintain financial aid
eligibility at RCC. First, students are required to
maintain a minimum retention/graduation GPA. For
students who have attempted 0-30 credit hours the
minimum GPA is 1.70 and for those who have
completed 31 or more it is 2.0. Second, students are
required to complete (pass) at least 66 percent of the
credit hours they attempt each academic year. Third,
students must complete the requirements for their degree
within a maximum number of attempted credit hours.
Students seeking an Associate Degree will be allowed
98 attempted credit hours and for those seeking a certificate
of mastery, 45 attempted credit hours. Failure to meet
these minimum academic standards will result in the loss
of financial aid eligibility.

Satisfactory academic progress is calculated annually
after the spring semester. For students on financial aid
probation, financial aid suspension, or on appeal, it is
also checked at the end of each term of attendance.

Financial aid probation will be required for any student
not meeting the requirements shown above. While on
financial aid probation, a student may continue to
receive Title IV federal student aid.

Financial aid suspension occurs when a student on
financial aid probation fails to meet the minimum
requirements of probation. A student on financial aid
suspension is not eligible for any Title IV federal student
aid.

An appeal process is available to a student who is
placed on financial aid suspension if extenuating
circumstances exist that impaired the student’s ability to
perform well academically. Satisfactory academic
progress appeal forms are available in the Financial Aid
Office.

For a complete description of the RCC Satisfactory
Academic Progress Policy for Title IV Federal Student
Aid Recipients please contact the Financial Aid Office.

Return of Title IV Aid
(Formerly called Refund/Repayment)

The Federal Government has set guidelines concerning
students who receive Title IV Federal Student Aid and
completely withdraw from school or stop attending their
courses. Federal student aid recipients who completely
withdraw after classes begin, but prior to completing at
least 60% of the semester will have to repay a portion of the Federal funds that they received. RCC is required to calculate the amount of “earned” and “unearned” aid that a student received or that was credited to the student’s account. This calculation may require the student and/or the college, on the student’s behalf, to immediately repay funds that were disbursed for the purpose of paying educational expenses. After the calculation is figured, RCC’s Financial Aid Office will notify the student regarding the amount of aid that must be returned to the Federal Government. Additionally, excessive withdrawals may have an adverse affect on a student’s financial aid satisfactory academic progress, which will be evaluated at the end of the semester.

Grants

Pell Grants
Pell Grants are federal aid grants designed to provide financial assistance to qualified students attending post-high school educational institutions. Pell Grants are intended to be the “floor” of a financial aid package and may cover a significant portion of a student’s college expenses. The amount of the Pell Grant is determined by federal need analysis criteria. Students must complete the Free Application for Federal Student Aid (FAFSA) and submit the resulting Student Aid Report to the Financial Aid Office. Applications are available through high school counselors, public libraries and college financial aid offices.

Supplemental Educational Opportunity Grants – SEOG
SEOG is an additional federal aid program for students of exceptional financial need. Grants may range from $200.00 to $500.00 per year for students who qualify. Application is made by submitting the results of the FAFSA to the Financial Aid Office. Earliest applicants with the greatest need are awarded first.

Oklahoma Tuition Aid Grants — OTAG
This grant is awarded to Oklahoma residents with exceptional need, as demonstrated by the results of the Free Application for Federal Student Aid. Normally students who apply by April 1 have the best chance, as funds are severely limited. The student need only apply with the FAFSA and answer all questions thoroughly concerning state of legal residency. The Oklahoma Tuition Aid Grant Office determines award amounts and notifies the student and the college.

Scholarships

Tuition Waiver Scholarships
Authorized by the Oklahoma State Regents for Higher Education from the educational and general budget in the form of general enrollment tuition waivers. These scholarships are gratuities, and the student shall not be required to perform services in return for the award. At least 50 percent of all scholarship awards will be made on the basis of financial need with other awards being made on the basis of scholarship or field of academic interest.

Vocational Rehabilitation Scholarships
Upon approval by a representative of the Vocational Rehabilitation Division of the State Board of Education, grants are made to students who have substantial employment disabilities and who are desirous of securing a college education. Contact: Department of Human Services, in your area.

RCC Scholarships
Submit applications for the following scholarships to the Student Services Center:

President’s Scholarships
Offered to a number of students who demonstrate high academic achievement and leadership.

Athletic Scholarships
Available to qualified students who are recommended by the Athletic Director.

The Ray Porter Faculty Association Scholarship
Awarded annually in December to a deserving sophomore. The award is given by the RCC Faculty Association on the basis of academic progress, need and overall contributions to college life.

Phi Theta Kappa Scholarships
Awarded annually by Phi Theta Kappa, the honor society.
Aggie Club Scholarship
Awarded to one agriculture major at the sophomore level. Applicants must be members of the Aggie Club and should apply during the spring semester of their freshman year.

Special Scholarships
Awarded to high school graduates who plan to attend RCC. Selections are made by organizations, clubs or individuals, in cooperation with high schools, and are based on need and academic achievement.

RCC Foundation Scholarships
Several scholarships for RCC students are awarded through the RCC Foundation. Specific guidelines for each scholarship have been established and selections are made by organizations, clubs, or individuals, frequently in cooperation with high schools. Applications are available in the Student Services Office after January 1, and the deadline for applications is March 1.

The following scholarships are currently available through the RCC Foundation:

RCC Alumni and Friends Association Scholarship
Awarded to a returning RCC freshman student to be applied toward the cost of their tuition, fees, and books. The scholarship is for the fall semester only.

American Legion Auxiliary Scholarship
Established by the American Legion Auxiliary, Unit #34, El Reno, Oklahoma. Two recipients are selected and they must be related to a veteran as a current spouse, widow/widower, child, or grandchild.

Burruss Family Endowed Scholarship
Established by Mr. and Mrs. Merrill Burruss, Geary, Oklahoma. It is the desire of the Burruss’ to assist a worthy student in furthering their education.

Janice Bowman Nursing Scholarship
Established by Randy and Towana Ernest of Lapeer, Michigan, in honor of Janice Bowman, an RCC instructor in the RCC Nursing Program. Randy is a graduate of the Redlands Community College Nursing Program.

Canadian County Farm Bureau
The scholarship is made possible by the Canadian County Farm Bureau of El Reno.

Casey Dell Brantley Memorial Endowed Scholarship
Established by Peggy Brantley and the late Bob Brantley of Calumet in memory of their daughter Casey Dell Brantley. Casey would have been in the Calumet graduating class of 2001 and the money she had personally saved for her college education is being used for the first scholarship award. Casey was interested in pursuing a health-related or legal profession.

Michael Earl Croy Memorial Scholarship
Awarded to an adult nursing student who has completed certain criteria in the RCC nursing program. Mr. and Mrs. Jeff Croy, Yukon, Mr. and Mrs. Henry Croy, Binger, and Mr. and Mrs. Paul Warren, El Reno, are the donors of the scholarship.

N.E. and Pearl Douglas Scholarship
Established by Mr. and Mrs. Curtis Blanc of Kansas City, Missouri, to honor his grandfather’s lifelong career in law enforcement. Stemming from 1935 to 1967 with the El Reno Police Department, Mr. Douglas started on the ground floor of the department as a night patrolman and retired as Chief of Police. The scholarship recipient must be enrolled in a law enforcement curriculum, show a sincere desire to better himself through a college education, exhibit need for the financial support, and maintain contact with them concerning school activities and accomplishments.

Joe Entz Memorial Scholarship - Macomb Masonic Lodge
Established in memory of Joe Entz by his family, Donnie Entz, Bobby Andrews, Margaret Andrews, and Betty Andrews. The purpose is to recognize Joe’s intense interest in returning to college to pursue his educational and career goals and to provide support for students who wish to pursue a college education. Again this year, the Macomb, Oklahoma Masonic Lodge A.F. and A.M. has made a generous gift on behalf of the Joe Entz Memorial Scholarship which shows their commitment to education. This scholarship is awarded to a full time student who has graduated from a high school in the RCC service area to help cover the cost of books, tuition, fees, and other college related expenses.

James S. Gibson Memorial Scholarship
Established by Mr. and Mrs. Marshall Gibson and Ms. Jenny Gibson in honor of their father and grandfather, Mr. James S. Gibson, whose lifestyle exemplified personal, professional, and spiritual leadership. Many members and friends of the Gibson family have joined in the efforts to maintain this scholarship in Mr. Gibson’s memory. This scholarship is designated for a student who has graduated from a high school in the RCC service area to defray the cost of tuition, fees, books, and other college related expenses.
Francis E. Horn Memorial Scholarship
Established by Mrs. Lois M. Horn of El Reno. Mr. Horn served for more than 38 years in the US Navy and Air Force; later he was a hospital administrator in various Oklahoma hospitals. He believed that any student entering the medical profession should receive as much help and training as was possible to become better nurses, or EMT’s. The scholarship is intended for a first year student who earnestly desires a career in the health care field.

Harold H. & Rebecca Raney Hutson Scholarship
Established by the late Mr. Harold Hutson and Mrs. Rebecca Hutson of Ft. Smith, Arkansas, to provide financial support for an El Reno High School graduate planning to continue their education at Redlands Community College. The award is applied toward tuition, fees, and books.

Cathi “Mac” Kennedy Endowed Scholarship
Established beginning in FY 2002-2003 by Bob and Peggy Brantley in memory of their daughter, Casey Dell. The scholarship is named in honor of Casey’s favorite teacher, Ms. Cathi “Mac” Kennedy, who touched their daughter’s life in a special way. Ms. Kennedy is a Calumet teacher who goes beyond the duties normally required of a teacher and she will be honored in years to come for this dedication.

KLR Scholarship (Kiwanis, Lions & Rotary Clubs)
Established by the Kiwanis, Lions, and Rotary Clubs of El Reno to provide financial support for a returning, full time RCC student with a proven record of academic excellence to help cover college related expenses.

Marie West Lyons Scholarship
Established by Mr. Leon Wayland in memory of Ms. Lyons, who was a member of Chapter AE, P.E.O. She was a longtime resident of El Reno who had an intense interest in journalism, commercial art, and the fine arts in general. The scholarship is awarded to an El Reno High School graduate planning to pursue a degree in one of these related areas.

Gary and Janie McCurdy Criminal Justice Scholarship
Established by Judge Gary D. McCurdy and Janie McCurdy. The purpose of the scholarship is to assist deserving students who pursue a college education in a criminal justice related field.

Clifford Miner Upward Bound Scholarship
Established in honor of Mr. Miner by former and current Upward Bound students and by the faculty and staff of Upward Bound. Mr. Miner served as director of the RCC Upward Bound Program from 1988 to 1997. Mr. Miner retired from the program and now volunteers his time for many worthwhile causes including, but not limited to, the National Kidney Foundation.

Dewayne Peters & Dennis Harryman Memorial Scholarship
Established by the RCC Aggie Club in memory of Dewayne Peters and Dennis Harryman. The purpose is to recognize Mr. Peters’ and Mr. Harryman’s commitment to agriculture and livestock judging and to provide support for students who desire to pursue a college education in an agriculture-related field. The scholarship is intended for an RCC freshman student who is a member of the RCC Livestock Judging Team and the RCC Aggie Club. Funds are applied for tuition, fees, books, and other college related expenses.

Margaret E. Petree Scholarships (transfer) - $5,000
This scholarship is one of the most prestigious awarded by RCC, going to a graduate planning to continue their education at a four-year institution. Applicants are to exhibit outstanding leadership qualities, dedication to the classroom, and superior academic achievement. Two scholarships are awarded each May to RCC graduates transferring to a four-year institution.

Tommy Pinkston Family Memorial Endowed Scholarship
Established by Jack and JoAnn Gedosh in memory of JoAnn Pinkston Gedosh’s parents, Tommy and Marguerite Pinkston and brothers, Bill and Mike, who were long time residents of the Minco-Union City community. With roots in Canadian County and a strong advocate of the community college system, JoAnn pays tribute to her family as well as saying “thanks” for a good place to grow up.

The Gedosh gift created a paramount opportunity for the Foundation to partner with the Oklahoma City Community Foundation which facilitated the college Foundation to apply for a matching grant from the Kirkpatrick Family Affiliated Fund. A favorable matching award substantially increased the value of the Gedosh Fund creating a larger annual return.

Redlands Community College Foundation, Inc. Scholarships
Established by the RCC Foundation for students enrolled as full time students at RCC. Each year the Foundation hosts a fund-raiser which funds the majority of these scholarships.

RCC-Follett Bookstore Scholarships
In 2000, the Follett Corporation leased the bookstore operation from RCC. The scholarships were established through their desire to financially assist worthy students who attend Redlands Community College.

**Renna V. Royse Memorial Scholarship**
Established by Mr. Virdin Royse in memory of his loving wife, Renna V. Royse. The scholarship is intended to financially assist a student who is pursuing a field in equine science.

**Doris Anne Smith Memorial Scholarship** (transfer)
Established in memory of Doris Anne Smith by her family and funded through their generosity and by those who loved her and were touched by her influence. The scholarship is awarded each year to a Redlands Community College graduate who plans to continue their education at a four-year college or university.

**Ruth Ellen Strong Memorial Scholarship**
Established by Dr. J.H. Goldberger, Austin, Texas. Mrs. Strong, manager of the RCC Bookstore prior to her death, showed a particular interest in those students whose financial situation demanded they be employed while attending college. The scholarship is intended for a working student to help cover college expenses.

**Trotter-Gambel Scholarship**
Established by Mr. and Mrs. Burrel Gambel who graduated from “El Reno Junior College” in 1941 and now live in Chickasha. This scholarship assists women who continue to balance family responsibilities and, oftentimes, full time employment while continuing their education at RCC. Award is made to an adult female student to help cover college expenses.

**Emily Kay Wilds Memorial Scholarship**
Established in memory of Emily Kay Wilds by her parents, Jana and David Wilds, and brother Jared Wilds. Emily was an outstanding person in all areas of life. She had just completed the eighth grade when her life was taken on July 7, 1997 in a car accident on the way to Falls Creek Church Camp. Her dream was to attend Redlands Community College to major in Equine Science then transfer to Oklahoma State University to become a veterinarian.

**El Reno Wranglers/Herschel Smith Memorial Scholarship**
For a student pursuing a degree in the field of equine science.

**Leroy C. Stanley Memorial/Equine Science Scholarship**
Established in memory of Leroy C. Stanley by his wife, Jean, and his children, Chris, Alice, Joe and Kurt Stanley. The scholarship is intended for a student who is enrolled at Redlands Community College in a minimum of 12 credit hours each semester (fall and spring) as an equine science major.

**Tyler Knecht Memorial Endowed Scholarship**
Established by the family and friends of Tyler Knecht. This scholarship is awarded to a graduate of Okarche High School. Applicants are required to write in 200 words or less their greatest accomplishments and how they used that experience to influence and inspire others. A written recommendation from a high school educator is also required.

**Henry Jo Von Tungeln Memorial Agriculture Scholarship**
Established in memory of Henry Jo Von Tungeln designated for students who declare a major in agriculture. Applicants are required to write in 200 words or less how they plan to benefit agriculture and those who produce agriculture commodities with this scholarship opportunity.

**Thomas J. Gilmore Memorial Scholarship**
Established by Charles Gilmore, Mark Gilmore and Kathy Gilmore Booth in memory of their father, Tom Gilmore. This scholarship is to honor Mr. Gilmore’s professional and personal belief in the power of education to enhance and change an individuals’ life. This scholarship is designated for an El Reno High School graduate or individual who has obtained a GED.

**Veterans’ Benefits**
Veterans who have been honorably discharged in the reserves or released from active duty may qualify for educational benefits from the Veterans Administration—in order for students to receive these benefits, he or she must have served continuously for a period of 181 days, and no longer than 10 years after separation from military service, as specified by the Veterans Administration.

Additional education and training benefits are available to children, widows, and wives of veterans who died or became permanently and totally disabled due to service-connected military actions, beginning with the Spanish-American War.

The major categories for Veterans Administration benefits include:

- **Chapter 32**, the Post-Vietnam Era Veterans’ Education Assistance Program—VEAP—provides benefits to individuals who initially entered active duty service after Dec. 31, 1976. While serving on
active duty, the service person may voluntarily contribute to an educational assistance fund.

- **Chapter 30**, the New GI Bill, is available to everyone who enlists after July 1, 1985—except those who served a previous enlistment in the armed forces. Various branches of the service have additional incentive plans. A veteran must have at least 24 months of consecutive service.

- **Chapter 1606** (formerly Chapter 106), the Guard/Reserve Bill, assists students with college costs while serving in the Reserves or National Guard.

### LOANS

**Stafford Student Loan Program**
The Stafford Student Loan Program requires a separate application in addition to the FAFSA. The program allows you to borrow money from an eligible private lender, such as a bank or a credit union. These funds are loans and the student is required to pay the loan back to the lender. Monthly payments may be as low as $50.00. However, defaulting on a loan will result in the loss of all financial aid programs to the student.

**Parent Loan for Undergraduate Students — PLUS**
The PLUS loan is for parents of dependent students who want to borrow over the Stafford Loan limits. A parent may borrow up to the Cost of Attendance, provided that does not exceed the student’s unmet need. Unlike Stafford Loans, PLUS Loans are subject to credit checks and approval by the lender.

### Student Employment

A limited number of students are employed by the college in jobs such as laboratory assistants, secretaries, and physical plant staff assistants. Preference is usually given to those students who are approved for college work-study which have completed the FAFSA. Applications for student employment should be procured from and submitted to the Financial Aid Office.

### STUDENT CONDUCT CODE

Students attending RCC are expected to conduct themselves in a manner appropriate to an educational institution of higher learning and to pursue course work in an honest and ethical manner. Any academic dishonesty including cheating, collusion, or plagiarism will not be tolerated. **Plagiarism is the use of ideas, facts, opinions, illustrative material, data, direct or indirect wording of another scholar and/or writer—professional or student—without giving proper credit. Expulsion, suspension, or any lesser penalty may be imposed for plagiarism.**

Inappropriate student conduct which adversely affects any RCC student, faculty member, employee, or other member of the college community may subject the student to disciplinary action.

### Student Misconduct Policies

The violation of any local, state or federal law on the RCC campus or in a vehicle owned by RCC may subject a student to disciplinary action. Violation of any official policy of the RCC Board of Regents may also subject a student to disciplinary action. Other grounds for student disciplinary action include:

- disturbing the public peace
- violence toward any person or property
- disrupting the function of the college
- interfering with faculty or staff in the performance of their duties
- gambling
- consumption or possession of alcoholic beverages or illegal narcotics in any form on campus or at any activity sponsored by or for a student organization
- falsifying or causing the falsification of any official college record
- use, possession or distribution of firearms, ammunition, blanks, firecrackers or explosives on campus
- illegal carrying of a concealed weapon on campus
- participation in or encouragement of any action on campus which endangers the health, education or welfare of any other person (including “hazing”)
- violation of any applicable college rule or regulation

The publication of anonymous or unauthorized publications on campus is prohibited. Authorization for distribution of publications on campus must be obtained from the RCC President or the Vice President of Student Services prior to distribution.

The following traffic and parking regulations apply to any person operating a motor vehicle on campus:

- parking is allowed only in designated areas
- no parking or driving is allowed on grass areas
- students shall not park in areas marked handicapped parking or loading and unloading zones.
- all motor vehicle operators shall obey the traffic flow directions as marked
- the speed limit in driveways on campus is 10 mph
- the speed limit in parking areas on campus is 10 mph

Fines may be assessed for violation of RCC traffic and parking regulations. Vehicles found in violation of the parking regulations may be immobilized. Such immobilized vehicle will be released only upon payment of a $5.00 fine for each violation. Repeated violations of traffic or parking regulations may lead to denial of the offender’s right to bring a motor vehicle on campus.

In order to provide a safe and healthy working and
learning environment, the use and consumption of alcohol, illegal drugs and tobacco in any form is prohibited in all buildings and vehicles of RCC.

**Student Misconduct Procedures**
Reports of misconduct should be made to the Vice President of Student Services. Initial review with the student concerning the nature of the complaint is made by the Vice President of Student Services, and he or she has the authority to take the disciplinary action that, in his or her judgment, is warranted. A complete description of the appeal procedure is available from the Vice President of Student Services.

**STUDENT ACTIVITIES**
All student activities, except intercollegiate events, are coordinated through the office of the Director of Athletics/Student Activities. Students are encouraged to become involved with campus activities. Opportunities are available for social growth and the development of leadership qualities.

**Intercollegiate Activities**

**Athletic Teams**
Redlands Community College is a member of the National Junior College Athletic Association and the Bi-State West Athletic Conference. The mascot is the Cougar. Competitive sports include:
- Women’s Volleyball
- Women’s Basketball
- Women’s Golf
- Men’s Baseball
- Men’s Basketball

**Honors Program**
The RCC Honors Program offers the opportunity for honors course work and enrichment activities to eligible students. Students may enter the program if they have: a comprehensive ACT score of 22 or better; or an ACT of 20 or better with a high school GPA of 3.25 or prior college work with a 3.25 or above; or a successful interview with the Honors Faculty Council; or a successful demonstration of special ability to the Honors Faculty Council.

**Livestock Judging Team**
Redlands Community College has an active Livestock Judging Team where team members learn the fundamentals of judging livestock and presenting oral reasons. The RCC Livestock Judging Team competes in both statewide and national competitions.

**STUDENT CLUBS AND ORGANIZATIONS**
The official student activities calendar is maintained in the Student Services Center. All requests for official college-sponsored events must be submitted on the proper form to the Student Activities director at least one week prior to the event. The request must be signed by the sponsor and the president of the organization. Request forms are available in the Student Services Center.

**ACES**
Adult Continuing Education Support provides a forum for adult student participation.

**Aggie Club**
The main objective of the Aggie Club is to promote western heritage through activities involving competition and participation in agriculture-related events.

**Art Club**
The purpose of the Art Club is to promote a higher interest and knowledge of the fine arts. The club meets twice a month for presentations, show and tell, field trips, workshops, and much more. All RCC students are welcome to join and attend activities.

**Baptist Student Union**
The Baptist Student Union is an organization which provides opportunities for Christian nurture, fellowship and service. Membership is open to students of all faiths.

**Black Culture Organization**
The Black Culture Organization promotes Black culture, cultivation, and fellowship among qualified students of RCC.

**College Republicans**
College Republicans promotes the principles and ideals of the Republican Party process. Activities are designed to help shape and mold those basic ideals with participation in the process; to inform students of republican beliefs on issues; and to encourage participation in the political process on the college campus.

**Criminal Justice Club**
The Criminal Justice Club is dedicated to professionalism in the area of justice and public safety.

**Environmental Club**
The Environmental Club's purpose is to inform and involve members, the college and the community in environmental awareness.

**Fellowship of Christian Athletes**
FCA is an organization open to all students, but the primary focus is to present to athletes and coaches, and
to all whom they influence, the challenge and adventure of receiving Jesus Christ as Lord, serving Him in their relationships and in the fellowship of the church.

**Fencing Club**
The Fencing Club encourages physical fitness through the sport of fencing.

**Journalism Club**
The Journalism Club supports the journalism program through contributing to the understanding and appreciation of the field of journalism.

**Native American Club**
The Native American Club promotes awareness in and an appreciation of the Native American experience.

**Outdoor Adventure Club**
The Outdoor Adventure Club is intended to educate students in outdoor survival and adventure recreation skills. This organization will also allow students to experience outdoor sports and activities such as camping, rock climbing, water skiing, snow skiing, ropes courses, and more.

**Students in Free Enterprise (SIFE)**
SIFE is a nonprofit organization that gives students the tools to learn the free enterprise system in a real working situation. The mission of SIFE is to learn, practice, and teach the principles of the free enterprise system through educational outreach projects, designed to target members from the community. RCC SIFE members are challenged to take what they’re learning in the classroom and use their knowledge to better their communities. At the end of each school year, SIFE teams present the results of their community projects at regional, national, and even international competitions. SIFE membership is open to Redlands Community College students of all academic majors.

**Phi Theta Kappa**
Phi Theta Kappa is the only international honor society for American two-year colleges. Membership in PTK is conferred on those two-year college students who have established academic excellence, as judged by the college faculty. Initiates must have completed at least 12 hours of two-year college work, must be judged of good moral character, and must possess qualities of good citizenship.
To be eligible for membership in the Alpha Beta Upsilon chapter, initiates must have met these requirements and have obtained a 3.25 GPA for one semester. After becoming a member of PTK, it is necessary to maintain a 3.25 GPA in order to remain a member in good standing.

**Phi Theta Kappa Alumni Gamma**
Phi Theta Kappa Alumni Gamma of Oklahoma Alumni chapter is a community-based organization for members of PTK who wish to continue their participation in the society after leaving the two-year college. Any person who joined PTK while attending a two-year college is eligible for membership in this organization. Gamma chapter serves primarily as a support group for Alpha Beta Upsilon chapter, but also offers its members opportunities to participate in PTK activities at the local, regional, and international levels.

**Photography Club**
The Photography Club strives to inspire people to enjoy photographs and photo safari.

**Student Nursing Association**
The RCC Student Nursing Association is designed to advance the professionalism of nursing students by giving them the chance not only to meet each other and their instructors in a non-structured setting, but also to meet students from around the state at conventions. Both category I and category II nursing students can join the group, which combines professional development with instruction and community service.

**Student Senate**
The Student Senate provides an avenue of communication between the student body, faculty, and the administration. It is a form of government which allows students to express their views and interests while encouraging school spirit and unity among all students.

**Young Democrats**
The Young Democrats meet to stimulate in young people an active interest in governmental affairs and to perpetrate the high ideals and principles of the Democratic Party.

**RELEASE OF STUDENT INFORMATION AND ACCESS TO STUDENT RECORDS**
Public Law 93.380 (also known as the Buckley Amendment, also known as the Family Educational Rights and Privacy Act of 1974 as amended) has reference to the release of student information. The law permits the release of directory information unless the student requests this information not be released.
Directory information as defined by RCC includes: the student’s name, major, classification, address, telephone number, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, enrollment status
(full-time/part-time), degrees and awards received, photograph, and the name of the institution attended immediately prior to admission to RCC.

Students wishing to withhold directory information for any semester must notify the Registrar’s Office in writing prior to the first day of that semester.

BOOKSTORE
The bookstore is located in the Ray Porter Academic Complex. Required textbooks and materials for classes may be purchased in the bookstore or online by visiting the RCC website and clicking on the bookstore link. Also, textbooks may be sold back to the bookstore as used books. If a book is out of print or is not on the required book list, it may not be bought back by the bookstore. A complete description of the bookstore return policy is available in the bookstore.

EMPLOYMENT SERVICES
Employers contact the college through Career Education requesting assistance in locating employment either part-time or full-time. Computerized job listing services are also available. A limited number of students are employed by RCC as departmental assistants.

EARLY COLLEGE AWARENESS
Concurrent Enrollment
By enrolling in concurrent classes available through Redlands Community College, high school students can begin earning their college degree while still in high school. The classes taken will satisfy general education requirements at virtually every institution of higher education in Oklahoma as well as most other states. Students who wish to concurrently enroll should contact their high school counselor for enrollment instructions or call Redlands at 422-1417 for more information.

GEAR-UP Program
GEAR-UP is an educational student assistance program for students who are enrolled in 7th grade; it is funded through the U.S. Department of Education. The purpose of GEAR-UP is to accelerate academic achievement so that increasing numbers of students will enroll and succeed in college. Participants who sign up for the Redlands partnership GEAR-UP program and complete milestones are eligible to receive an education award for participating in program activities.

Upward Bound Program
Upward Bound is a special program designed for a select number of high school students who have the potential to continue their education beyond high school and achieve success in college. Students currently attending high school in Calumet, El Reno, Geary, Hinton, Kingfisher, Minco, Okarche, and Union City who meet the federal guidelines for the program may be eligible to participate.

Upward Bound offers individualized instruction in a spectrum of academic areas, counseling, tutoring, career education, leadership training, motivational activities, cultural enrichment, and other services.

Students who complete the Upward Bound program are eligible to participate in the bridge component which allows students to take up to nine hours of college classes the summer after their graduation from high school.

FOUNDATION AND ALUMNI
The Foundation
The RCC Foundation, Inc. was established in 1976 for the sole purpose of providing support for programs and activities which strengthen the quality of instruction and expand educational opportunities for students enrolled at RCC.

The RCC Foundation, Inc. is governed by a Board of Directors and managed by an Executive Director. The Board of Directors is responsible for managing all contributions and assets of the RCC Foundation in a responsible manner in order to ensure maximum benefit for RCC.

The RCC Foundation, Inc. is legally and fiscally separate from RCC and is a 501(c)(3) charitable corporation organized under the laws of the state of Oklahoma. Contributions to the RCC Foundation may be tax deductible.

Alumni and Friends Association
The RCC Alumni & Friends Association was organized in 1986 to benefit the students, faculty, and former students of the college by participating in various community activities and events. Scholarships are awarded to qualifying RCC students for the fall semester. Each year, the association hosts an after-graduation reception which allows the family, friends, and faculty an opportunity to celebrate the accomplishments of the students. During the first week of fall and spring semesters, volunteers assist in the college bookstore as well as greet new and returning students to the campus. The association’s annual meeting is scheduled in late April following the annual fund-raising event. The annual meeting and associated events provide additional opportunity for the alumni, supporters of the college, students, staff and faculty to get acquainted in a casual atmosphere and to summarize the accomplishments and events of the previous academic year.

COMMUNITY SERVICE
RCC’s office of Community Service has a broad
mandate to serve as a liaison between the campus population and the communities served by the college. The office supports the mission of the college and shares its vision by providing programming, activities, and opportunities designed to enhance the learning, cultural, economic, and social environment locally, regionally, and globally. The college strives to bring a broad range of cultural activities and programs for students and residents living in the region through activities and programs, including art and educational exhibits, public performances, Kids College, several academic and cultural events throughout the year.

LEARNING RESOURCES AND SERVICES CENTER

A. R. Harrison Learning Resources Center
The A. R. Harrison Learning Resources Center (LRC) is an integral part of the educational program of RCC and is located at the north end of the Multimedia Lifelong Learning Center. The LRC is open daily for group and individual study, research, telecourse viewing, and leisure reading. It provides appropriate resources required for class assignments, personal enrichment, and information needs, including books, periodicals, audiovisual materials, and electronic databases. Access to books in the LRC is provided through the online catalog (http://reclrc.redlandsc.edu); books not held locally are available through interlibrary loan and the OK-Share program. Reserve materials, Internet access, and word processing are also available for student and community use in the LRC.

Electronic Services Offered
The LRC receives Internet services from OneNet and students can read e-mail, search the Internet, and access online courses. From the LRC students can also search online full-text articles from literally thousands of magazines, newspapers, and scholarly journals. Most of these resources are not available over the Internet, or require a fee to access them, but students can access them in the LRC at no charge. These electronic articles can be read online, printed in the LRC, or forwarded to an e-mail address.

The LRC maintains a web page at http://library.redlandsc.edu. Through this website students can not only access the LRC catalog off campus, but also search a state-wide and even a worldwide catalog of books to identify items to be obtained through interlibrary loan. Other research tools include links to online style guides, scholarly web sites, and free e-texts of classic literature.

For Student Housing issues please refer to the Student Housing Handbook.
ARTICULATION-TRANSFERRING CREDITS
A student who has completed the Associate in Arts or Associate in Science degree requirements at RCC may transfer into a bachelor’s degree program at any senior institution in the Oklahoma State System of Higher Education and be assured of completing a program of studies in an orderly fashion. These assurances are a part of the articulation policy of the Oklahoma State Regents for Higher Education. Copies of the entire Policy Statement on Articulation of Students Among Institutions in the Oklahoma State System of Higher Education are available for student viewing in the Student Services Center.

CLASSIFICATION OF STUDENTS
Freshman—0-30 hours earned
Sophomore—31 or more hours earned

GRADING SYSTEM
Final grades are reported for each student for every course undertaken accordingly.

Grades Used in calculating Grade Point Average (GPA) is calculated on a 4.0 basis as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Definition</th>
<th>Grade Point Per Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Below Average</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
</tbody>
</table>

Other Symbols
I—To receive an “I” grade, the student should have satisfactorily completed 70% of the required course work for the semester. The time limit will be at the discretion of the instructor and will not exceed one calendar year.

AU—Audit status is available for any person eligible for regular enrollment, with the consent of the registrar. Audit status is used for the student not interested in obtaining a course grade, but who is enrolled simply to get course information. The deadline to change enrollment status from a credit to an audit will be the eighth week of a 16-week semester or the fourth week of an 8-week semester. If a student wishes to change to an audit after the deadline, he or she must have the instructor’s permission. The student who is in audit status must adhere to the instructor’s policies on course work and attendance.

W—An automatic withdrawal grade of “W” is issued when a student initiates a withdrawal during the institution's allowable withdrawal period. An institution's withdrawal period for an automatic “W” shall begin after the 10th day of classes in the regular session and the fifth day of classes in the summer term and shall not exceed 12 weeks of a 16-week semester or, in general, not exceed three-fourths of the duration of any term. For any drop or withdrawal accepted after this deadline, a “W” or “F” will be assigned, depending upon the student's standing in the class. If an “F” grade is assigned, it is calculated in the student's GPA; the “W” grade is GPA neutral. Any drop or withdrawal after this deadline will be issued a “W” or “F” depending on the academic standing of the student and upon a recommendation by the faculty member and division director. The Vice President of Instruction will review all “W” and “AW” submissions occurring after the 12th week.

AW—Administrative withdrawal may be assigned by the Vice President of Instruction to indicate a student has been involuntarily withdrawn by the institution during the designated semester for disciplinary or financial reasons or inadequate attendance. Such institutional penalties must follow formal institutional procedures. Administrative withdrawals are GPA neutral.

P/F—An institution may elect to use pass-fail as an option for students in specified courses. The pass grade indicates hours earned but does not contribute to the GPA. The fail grade is an “F” and is calculated into the GPA.

S/U—An institution may elect to use “S” and “U” for specified courses. These grades are neutral and are not used as attempted or completed credit hours. These grades will be used for physical education activity courses and military science courses.

N—May be used by the institution to indicate that the semester grade was not submitted by the instructor by the appropriate deadline. The “N” grade must be replaced by the appropriate letter grade prior to the end of the subsequent semester. The “N” grade is GPA neutral.

Appeal of Grades
When a student believes a final grade is inaccurate a grade appeal may be initiated. The appeal will follow a specified procedure. The grade appeal must be initiated
within one full semester after the grade was given. A full semester means fall or spring semester. Full procedures may be found in the Redlands Community College Student Handbook at the Student Services Center.

Final Grades
Instructors are required to submit to the Registrar’s Office a final semester grade for each student whose name appears on the official roll and grade sheet. The official records of student grades are permanently filed in the Records Office.

Grade Changes
A grade recorded in error may be changed only by the instructor within the following semester. All other requests for grade changes will be approved by the instructor, the appropriate division director and the Vice President of Instruction.

Repeated Course Work
A student shall have the prerogative to repeat courses and have only the second grade earned, even if it is lower than the first grade, count in the calculation of the GPA. The second course with its grade will be listed in the semester earned. The Explanation of Grades section of the transcript will note only the second grade earned is used in the calculation of the retention and graduation GPAs. If a student repeats an individual course more than once, all grades earned, with the exception of the first, are used to calculate the retention and graduation GPAs.

*NOTE: Students who earn the grade of AW, W, or F in a 0-level course may repeat the course one time.

ACADEMIC LOAD
A student is considered full time when enrolled in 12 or more credit hours during a semester. However, a student who plans to complete a degree program in two years should remember degree requirements vary and the minimum number of credit hours for degree completion is 60. No student will be permitted to enroll in more than 18 semester hours during any traditional semester without permission of the Vice President of Instruction.

RETENTION STANDARDS
The following standards determine the retention of students at RCC. Failure to meet these standards will result in the student being placed on academic probation, and, unless corrected, academic suspension. 0-30 semester hours attempted—1.70 retention GPA when semester hours exceed 30—2.00 retention GPA

ACADEMIC PROBATION
Any student not maintaining satisfactory progress toward his or her academic objective as indicated above will be placed on probation for one semester. At the end of that semester, he or she must have a semester GPA of 2.0 of regularly graded course work, not to include activity or performance courses, or meet the minimum retention GPA standard required above, in order to continue as a student. Students not meeting either of these criteria will be immediately suspended and may not be reinstated until one regular semester—fall or spring—has elapsed.

ACADEMIC SUSPENSION
A student placed on academic suspension will not be allowed to re-enroll for one full semester. Students who have been placed on academic suspension may be readmitted after the lapse of one full semester—not including summer. They will be readmitted on probation. If a student is suspended for a second time, the student cannot enroll at RCC without attending another accredited school and acquiring a 2.0 GPA.

ADDING AND DROPPING COURSES
All changes of enrollment must be initiated with a student’s adviser and brought to the Registrar’s Office. The addition of classes is allowed only during the first two weeks of a 16-week semester and during the first week of an eight-week course.

CLASS ATTENDANCE
Students are expected to attend classes in which they are enrolled. It is the responsibility of the student to consult with the instructor when they must be absent. Instructors have the option of determining whether an absence is excused or un-excused and can initiate the procedure for granting an “AW” grade for non-attendance.

EXTRA-INSTITUTIONAL CREDIT
Extra institutional learning is defined as learning that is attained outside the sponsorship of legally authorized and accredited post-secondary institutions. The term applies to learning acquired from work and life experiences, independent reading and study, the mass media, and participation in formal courses sponsored by associations, business, government, industry, the military, and unions.

A maximum of 32 semester hours toward a degree or half of the hours required for a certificate may be granted for extra institutional credit (including but not limited to Advanced Standing, CLEP, DANTES, credit by examination, “in-escrow” credit earned through an approved cooperative agreement, Advanced Placement credit, and credit for military training).

Students applying for extra institutional credit must be enrolled at RCC. No credit will be posted until 12 semester hours of regular academic work are completed at RCC. The courses for which credit is awarded will be recorded with a P on the transcript with a notation
signifying how the credit was earned. Credit may not be earned in a course when a course of more advanced standing has been completed.

Documentation in support of requests for extra institutional credit should be submitted to the Registrar’s Office. These documents will become a part of the student’s official records and will be retained by the college.

**TESTING AND CREDIT BY EXAMINATION**

Students are offered the opportunity to earn a maximum of 32 semester hours of credit by examination, by Advanced Standing, the College Level Examination Program—CLEP, the Defense Activity for Non-Traditional Educational Support—DANTES, or the Advanced Placement program. No tuition charges are assessed for credit by examination; however, the student must pay the designated examination fee. Credit may not be earned in a course when a course of more advanced standing has been completed.

**Advanced Standing**

No tuition charges are assessed for credit by examination. However, the student must pay the Advanced Standing examination fee or the CLEP examination fee, depending upon the exam being taken.

Forms for initiating the Advanced Standing Examination procedure may be obtained in the North Lab in the Learning Resources Center, 21-A.

**College Level Examination Program — CLEP**

In order to register for the College Level Examination Program - CLEP, students must contact the North Lab, LRC 21-A for a registration form.

Credit will be granted in a designated course if students achieve the score of 50 or above on a CLEP test. For those courses requiring an essay component, i.e., ENGL1113 and ENGL 1213, a passing score is required on the essay as well as on the objective portion. Essays will not be critiqued for students. Scores for ENGL 1113 and ENGL 1213 are calculated by taking one-half of the scaled score and adding to that score the number of points granted for the essay.

In some instances, students may test out of two semesters of work based on CLEP scores. Contact the North Lab for more information on specific score requirements.

Credit may not be earned in a course when a course of more advanced standing has been completed. Typically, students will be notified by mail within one week following the return of scores from CLEP whether they will or will not receive credit in courses for which tests were taken.

Credit for courses earned through CLEP tests will be posted on the student’s transcript after the conclusion of the term during which the credit was earned - provided the student has completed 12 semester hours or more through regular enrollment in courses.

**DANTES Examination**

The Defense Activity for Non-Traditional Educational Support—DANTES (or DSST) is a credit-by-examination program, similar to CLEP. By utilizing both the DANTES and CLEP programs, students have access to a wide variety of credit-by-examination opportunities.

Registration for DANTES is handled through the North Lab, LRC 21-A.

Credit for courses earned through DANTES tests will be posted on the student's transcript after the conclusion of the term during which the credit was earned—provided the student has completed 12 semester hours or more through regular enrollment in courses.

**Advanced Placement Program**

Redlands Community College grants credit for exams in the Advanced Placement (AP) program as administered by the College Entrance Examination Board in Princeton, New Jersey. The AP tests are taken by high school students in May of their junior or senior year of high school. Credit at Redlands will be granted in a corresponding course for a score of three, four or five on an examination.

**Advanced Placement Plan or Articulation for Nursing Program**

The Advanced Placement Plan allows qualified students to receive credit by examination for the first two semesters of nursing major course work in the program. Graduates of Oklahoma practical nursing programs which are NLNAC accredited may also be eligible for credit through an articulation agreement. Contact the nursing department for information on either option.

**Evaluation of Military Service**

Veterans with a minimum of six months of active military service may receive the following credits by submitting a copy of their separation papers—DD Form 214 or DD 215—to the Registrar’s Office:

- Fitness for Life—3 credits
- Personal Health—2 credits

Veterans interested in receiving college credit for military training must submit completion certificates, AARTS transcript, CCAF transcript, evaluation forms, or other proof of completion to the Registrar. Evaluation is as recommended by the Guide of the Evaluation of Educational Experiences in the Armed Services, published by the American Council on Education.

Copies of discharge and/or official service records must be submitted to the Registrar’s Office for credit. Redlands Community College may accept, modify, or
reject military training credit depending upon the evaluation.

**TRANSCRIPTS**
The Registrar’s Office will send student transcripts upon the student’s request, in writing, to any college or agency named. A charge of $5.00 will be made for each official transcript.

The Family Educational Rights and Privacy Act requires the confidential nature of student records be preserved. Transcripts of college work will be released only if the student has signed a written statement requesting such information be released. See the Student Privacy Right.

Before grades and transcripts are released, all financial obligations to RCC must be satisfied.

**GRADUATION REQUIREMENTS**

**Application for Graduation**
Spring and summer graduation candidates should apply for graduation no later than March 31. Applications will be accepted after the March 31 date, but these applicants will not be eligible for consideration for academic awards for that graduating class. Fall graduation candidates should submit application for graduation by November 15. This application will initiate action toward a complete transcript evaluation to determine eligibility for graduation. Graduation fees are to be paid in the Business Office at the time the application is submitted. This fee is non-refundable. Payment of the graduation fee must be submitted each time a student applies for graduation.

Graduation exercises are held at the close of the spring semester. Attendance is required of all graduates. An application to be excused from graduation is available in the Registrar’s Office and must be approved by the Vice President of Instruction.

All required records, such as high school transcripts, ACT scores, and college transfer transcripts, must be on file to graduate from Redlands Community College.

**Degree Awards**
Graduation with an associate degree from RCC requires a student have completed the program requirements with an overall GPA of 2.0. While a student may earn a cumulative GPA of 2.0 which includes one or more grades of “D”, it is well to remember grades below “C” may not fulfill graduation requirements in some programs.

For the associate degree, a student must complete 15 hours in residency at RCC. Correspondence classes and credit by examination may not be used toward the resident credit hour requirement. No more than one-half of the work required for any degree or certificate may be taken by correspondence and credit by examination.

Summer graduation candidates may participate in the spring graduation ceremonies if they need nine hours or less to complete graduation requirements. The required hours needed to complete graduation requirements must be taken during the summer term. Graduation candidates that need more than nine hours to finish degree requirements will need to apply as a December graduate.

The diploma will be presented following the successful completion of the required course work and the clearing of all obligations at the institution.

**Additional Degrees**
An additional degree for a different program may be earned by accumulating an additional 15 credit hours in residence at RCC above those submitted for the first degree. A minimum GPA of 2.0 must be attained on the 15 appropriate additional hours submitted.

The specific degree and program requirements for the second degree must be successfully completed.

Advanced standing credits may not be used for the additional degree hours. For certificates a minimum additional six credit hours will be required.

**Program Degree Procedures**
Degree seeking students should follow the course requirement pattern for the program academic area selected as outlined in the catalog in effect at the time of entry. The program requirements remain in effect as long as continued uninterrupted enrollment is maintained with the exception of summer terms. A re-admitted student must follow a program plan specified by the current academic year catalog.

A student needing assistance in planning a program of study should request the assistance of personnel in the Student Services Center. Any substitution of course requirements listed for the associate degree must be recommended by the division director and approved by the Vice President of Instruction. The course substitution document must be filed in the Registrar’s Office. A student has the option of meeting new degree requirements adopted since the date of enrollment.

**Commencement Procedure**
At least one semester before they plan to complete their degree requirements, students should begin the commencement procedure as follows:

- Final official transcripts from all schools attended and ACT scores must be on file at RCC before an official program plan can be prepared.
- A final check of the program and an application plan for graduation should take place in the Registrar’s
Office before the time of enrollment for the last semester of attendance.
- Once grades are recorded for the final semester of enrollment, a final review will take place and students will be contacted as to their status.
- Degrees are conferred three times yearly at the close of the fall, spring, and summer terms. Commencement ceremonies are held at the conclusion of the spring semester only. Summer graduation candidates participate in the preceding spring ceremony. The graduation date indicated on the Redlands Community College transcript will be the last official day of the semester at the close of the fall, spring, or summer terms.

HONORS AND AWARDS

Honor Rolls
A President's Honor Roll, published at the close of each regular term, includes the names of students who have completed 12 or more hours and have a GPA of not less than 3.8, with no grade less then a “B”—excluding 0-level courses. A Vice President's Honor Roll is published similarly and includes the names of students who have completed 12 or more hours of work and have a GPA of 3.50 to 3.79, with no grade less than “C”—excluding 0-level courses.

Commencement Honors
Students who have completed at least 64 semester hours prior to commencement are eligible for consideration for the following honors:

- Summa Cum Laude...................... 3.75 - 4.00 overall GPA
- Magna Cum Laude...................... 3.50 - 3.74 overall GPA
- Cum Laude................................... 3.25 - 3.49 overall GPA

President's Award
The graduating sophomore completing all degree work by the end of the spring semester of graduation, completing all course work in residence at RCC, and having the highest overall GPA, will be recognized as the recipient of the President's Award. This award will be awarded only one time to an individual. If a student has received the award while earning a first degree, the President's Award cannot be awarded to the same earning a second degree.

Academic Scholars Award
This award is given to a student completing all work by the end of the spring semester of graduation and having the highest overall GPA, not qualifying for the President's Award, and completing the last 30 semester hours in residence. This award will be given only one time to an individual.

Honors Graduates
This title is given to students who have completed, with a grade of “B” or better, three Honors general education courses, one Honors course in their area of concentration, and two Honors seminars.

DEGREES, PROGRAMS, AND CERTIFICATES
Redlands Community College offers Associate in Arts, Associate in Science, and Associate in Applied Science degrees as well as Certificates of Mastery in the areas listed in Section II—Program of Study of this catalog.

Transferring General Education Courses
It may be necessary for students to take additional courses in general education to meet minimum professional certification requirements, as defined by the state of Oklahoma, i.e. health and physical education, geography, Oklahoma history, etc., for teacher education certification. The completion of these requirements does not preclude requirements of senior institutions of particular grade for points for admission to professional departments or fields.

Note: State requirements for professional programs may change; therefore, pre-professional degree requirements outlined in this catalog may change. Always check with Student Services to make sure your program has not changed as a result of new state requirements.

Course Descriptions
The number assigned to each course reflects specific information:
- The first digit denotes course level.
- Courses numbered 0001 to 0999 are zero-designation courses, which satisfy remediation requirements, and do not count toward the completion of the student’s college degree.
- Courses numbered 1000 to 1999 are primarily freshman level courses.
- Courses numbered 2000 to 2999 are primarily sophomore level courses.
- The second and third digits identify the course within the total offerings of the department.
- The fourth digit denotes the number of credit hours assigned to the course. Courses offered for a variable number of credit hours end with the numbers 1-5.

ASSOCIATE IN ART — A.A. AND
ASSOCIATE IN SCIENCE – A.S. DEGREES
Requirements for graduation include the completion of a minimum of 60 semester hours of academic work with at least a 2.0 GPA, 15 semester hours of which must be in residence at RCC. General education requirements must comprise 37 of the minimum 60 semester hours.
General Education Requirements for the A.A. and A.S. Degree .................................................. 37 Hours

A portion of the 60 semester credit hours required for the A.A. and A.S. degrees must include a general education core of a minimum of 37 semester credit hours which shall include the following:

English ........................................................... 6 hours
   ENGL 1113 English Composition I
   ENGL 1213 English Composition II

Social Studies................................................... 6 hours
   HIST 1483 United States History to 1877 or
   HIST 1493 United States History, 1877 to
   Present

POLS 1113 United States Government

Science .................................................................. 7-8 hours
   Includes one 3- or 4-hour course in Life Science and one 3- or 4-hour course in Physical Science (One must be a lab science).

Humanities .......................................................... 6 hours
   Choose from the following courses:
   ART 1113 Art Appreciation I
   ART 1123 Art Appreciation II
   ENGL 2413 Introduction to Literature
   ENGL 2423 Introduction to Fiction
   ENGL 2433 American Literature I
   ENGL 2443 American Literature II
   ENGL 2453 Introduction to Poetry
   HUM 2001-3 Humanities Seminar
   HUM 2113 General Humanities I
   HUM 2173 Beliefs and Believers
   HUM 2223 General Humanities II
   HUM 2613 Leadership Development
   MUS 1343 Music Appreciation
   PHIL 1113 Introduction to Philosophy
   PHIL 1413 Contemporary Ethical Reasoning

Mathematics .......................................................... 3 hours
   Must be a 1000 or 2000 level course.

Selected General Ed Requirements ......................... 6-8 hours
   At least one course from the following areas: Psychology, social sciences, foreign languages, fine arts (art, music, drama). Additional liberal arts and sciences courses as needed to meet the minimum total of 37 credit hours required in this policy.

Institutional Requirements ................................... 3 hours
   The Oklahoma State Regents for Higher Education requires students to demonstrate computer proficiency—defined as competency in the use of a variety of software and networking applications. At Redlands Community College, this competency requirement is met by completing one of the following two options:

1. Successful completion of Advanced Standing Exam for CMSC.

2. Successful completion of one of the following Course options:
   AMT 2153 Word Processing I
   AMT 2303 Desktop Publishing
   AGRI 2113 Microcomputers in Agriculture
   ART 2063 Introduction to Digital Photography
   CJ 1233 Understanding Computers and Computer Applications
   CJ 1323 Overview of Computer Crime
   CMSC 1213 Computer Science
   CMSC 1223 Business Applications Software
   CMSC 1233 Spreadsheet Applications
   CMSC 1243 Database Applications
   CMSC 1323 Visual Basic
   CMSC 1373 Operating Systems
   CMSC 2213 Introduction to Web Design
   ENGR 1113 Introduction to Engineering
   ENGR 1213 Engineering Graphics

Program Requirements ........................................... 23+ hours
   The remaining minimum of 23 semester credit hours of academic work shall be applicable to the student's major objective, including any prerequisite courses necessary for his or her anticipated upper-division program.

ASSOCIATE IN APPLIED SCIENCE DEGREES

The requirements for graduation shall include the completion of a minimum of 60 credit hours with a minimum 2.0 GPA, 15 hours of which must be completed in residence at RCC.

General Education Requirements for the A.A.S. Degree ...................................... 18 Hours

A portion of the 60 semester credit hours must include a general education core of a minimum of 18 semester credit hours which shall include the following:

Communications..................................................... 6 hours
   ENGL 1113 English Composition I, ENGL 1213 English Composition II or ENGL 2033 Technical Writing and Professional Report Writing — Refer to specific degrees.

Social Studies................................................................ 6 hours
   HIST 1483 United States History to 1877 or HIST 1493 United States History, 1877 to Present and POLS 1113 United States Government.

Selected General Ed. Requirements ......................... 6 hours
   Electives may be selected electives, approved or free electives from the following areas: science, mathematics, human relations, management, behavioral science, economics, and communication. Refer to specific degrees.
   • Technical-Occupational Specialty Courses 27+ hours

Courses which are in the major area of emphasis for the student, i.e., equine courses for the equine major. Refer to specific degrees.
Support and Related Courses ......................... 0-15 hours
Courses which are not a part of the technical-
occupational specialty, but which support the specialty,
e.g., Human Anatomy and Physiology for nursing. Refer
to specific degrees.
Electives ......................................................... 0-4 hours
A minimum of 60 credit hours is required for the
completion on the Associate in Applied Science degree.
In addition to the required general education courses, a
student must take the required courses designated within
the program. Electives can be taken to total 60 credit
hours if the program allows. Refer to specific degrees.

CERTIFICATE OF MASTERY
PROGRAMS
A number of programs are available to students who
want intensive training in a specialized area, but do not
want to enter a two-year curriculum. The time required
to complete a certificate program is one, two, or three
semesters, depending upon the number of specialized
courses required.

Requirements for the awarding of a certificate in a like
degree program must be completed and applied for
before the degree program requirements are completed.
SECTION II-PROGRAMS OF STUDY

The following programs and degrees offered are listed alphabetically in this section. Degrees are listed as Associate in Science (AS), Associate in Arts (AA), Associate in Applied Science (AAS), and Certificate of Mastery.

**ALPHBETICAL LIST**

**Agriculture (AS) (eleven option areas)**
- Agricultural Communication
- Agricultural Economics
- Agronomy
- Animal Science
- Equine Science
- Enology
- Farm and Ranch Management
- General Agriculture
- Horticulture
- Viticulture

**Applied Technology (AAS) (six option areas)**
- Aviation Technology
- Computer-Aided Drafting
- Health Technology
- Horticulture
- Industrial Technology Power Generation
- Information Technology

**Art (AA)**

**Athletic/Personal Trainer (AS) (two option areas)**
- Athletic Trainer
- Personal Trainer

**Pre-Professional Sciences (AS) (four option areas)**
- Life Science
- Physical Science
- Allied Health Science
- Mathemetic

**Business Administration Technology (AAS) (Six option areas)**
- Accounting
- Administrative Assistant
- International Business
- Management
- Medical Coding and Reimbursement
- Medical Transcription

**Business Administration (AA)**

**Child Development (AAS)**

**Child Development (Certificate of Mastery)**

**Criminal Justice (AAS) (six option areas)**
- Collegiate Officer Program
- Computer Forensics
- Corrections
- Emergency Preparedness/Homeland Security
- General Studies in Criminal Justice
- Juvenile Justice

**Computer Forensic Science (Certificate of Mastery)**

**Pre-Criminal Justice (AA)**

**Early Childhood Center Management (AAS)**

**Pre-Education Elementary (AA)**

**Pre-Education Secondary (AA)**

**English (AA)**

**Equine Science (AAS)**

**Family Studies and Child Development (AA)**

**General Studies (AA)**

**Health, Physical Education and Recreation (AA)**

**Nursing (AAS)**

**Psychology (AA)**

**Social Studies (AA) (two option areas)**
- Family Services
- Social Studies

**Speech (AA)**

**Sustainable Agriculture (AAS) (two option areas)**
- Enology
- Viticulture
LISTED BY DEGREE:

ASSOCIATE IN SCIENCE
Agriculture (eleven option areas)
  Agricultural Communication
  Agricultural Economics
  Agronomy
  Animal Science
  Equine Science
  Enology
  Farm and Ranch Management
  General Agriculture
  Horticulture
  Viticulture

Athletic/Personal Trainer (two option areas)
  Athletic Trainer
  Personal Trainer

Pre-Professional Sciences (four option areas)
  Life Science
  Physical Science
  Allied Health Science
  Mathematics

ASSOCIATE IN ARTS
Art
Business Administration
Pre-Criminal Justice
Pre-Education Elementary
Pre-Education Secondary
English
Family Studies and Child Development
General Studies
Health, Physical Education and Recreation
Psychology
Social Studies (two option areas)
  Family Services
  Social Studies
Speech

ASSOCIATE IN APPLIED SCIENCE
Applied Technology (six option areas)
  Aviation Technology
  Computer-Aided Drafting
  Health Technology
  Horticulture
  Industrial Technology Power Generation
  Information Technology

Business Administration Technology (six option areas)
  Accounting
  Administrative Assistant
  International Business
  Management
  Medical Coding and Reimbursement
  Medical Transcription

Child Development

Criminal Justice (six option areas)
  Collegiate Officer Program
  Computer Forensics
  Corrections
  Emergency Preparedness/Homeland Security
  General Studies in Criminal Justice
  Juvenile Justice

Early Childhood Center Management

Equine Science

Homeland Security / Emergency Preparedness (five option areas)
  Homeland Security
  Emergency Medical Service
  Emergency Management Response
  Fire Service
  Law Enforcement

Nursing

Sustainable Agriculture (AAS) (two option areas)
  Enology
  Viticulture

CAREER CERTIFICATE PROGRAMS
Certificate of Mastery
  Child Development

Certificate of Mastery
  Computer Forensic Science

Certificate of Mastery
  Enology
  Viticulture
AGRICULTURE
Associate in Science

General Requirements: • Total Hours: 64 Minimum GPA: 2.0

Program Description: The program of study offered in agriculture is designed to provide both comprehensive and specialized training to prepare graduates for careers in a wide range of fields of agriculture. Students have a choice to select one of eight (8) option areas of study: animal science, equine science, agronomy, horticulture, agricultural economics, farm and ranch management, agricultural communications and general agriculture. Upon completion of the Associate in Science Degree, students are prepared for additional education at a four year university or have skills sufficient for employment.

General Education Requirements ........................................................................................................................................... 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Communications        | 6          | ENGL 1113 English Composition I  
|                       |            | ENGL 1213 English Composition II  
| Social Science        | 6          | HIST 1483 U.S. History to 1877 or  
|                       |            | HIST 1493 U.S. History, 1877-Present  
|                       |            | POLS 1113 U.S. Government  
| Life Science          | 4          | BISC 1114 Biology with Lab  
| Physical Science      | 5          | CHEM 1315 General Chemistry I with Lab or  
|                       |            | CHEM 1215 General Chemistry with Lab  
| Humanities            | 6          | ART 1113 Art Appreciation I  
|                       |            | ART 1123 Art Appreciation II  
|                       |            | ENGL 2413 Introduction to Literature  
|                       |            | ENGL 2423 Introduction to Fiction  
|                       |            | ENGL 2433 American Literature I  
|                       |            | ENGL 2443 American Literature II  
|                       |            | ENGL 2453 Introduction to Poetry  
|                       |            | HUM 2001-3 Humanities Seminar  
|                       |            | HUM 2113 General Humanities I  
|                       |            | HUM 2173 Beliefs and Believers  
|                       |            | HUM 2223 General Humanities II  
|                       |            | HUM 2613 Leadership Development  
|                       |            | MUS 1343 Music Appreciation  
|                       |            | PHIL 1113 Introduction to Philosophy  
|                       |            | PHIL 1413 Contemporary Ethical Reasoning  
| Mathematics           | 3          | MATH 1493 Contemporary Math or  
|                       |            | MATH 1513 College Algebra  
| Selected General      | 4          | AGEC 1374 Introduction to Agricultural Economics and  
| Ed Requirements       | 3          | SPCH 1113 Fundamentals of Speech  

Program Requirements ........................................................................................................................................... 24 hours

Program Core Requirements ........................................................................................................................................... 12 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Agricultural Sciences | 8          | AGRI 1101 Agriculture Orientation  
|                       |            | ANSI 1124 Introduction to Animal Science  
|                       |            | AGRI 2193 Agriculture Industry Internship or  
|                       |            | AGRI 2303 Agriculture Leadership  
| Agriculture Electives | 4          | AGRN 1124 Introduction to Soil Science or  
|                       |            | AGRN 1214 Introduction to Plant Science  

34
Program Option Requirements  12 hours
Select one option from: Agriculture Communications
Agriculture Economics
Agronomy
Animal Science
Equine Science
Enology
Farm & Ranch Management
General Agriculture
Horticulture
Viticulture

Institutional Requirements ........................................................................................................................................ 3 hours
Area Min. Hours Courses
Computer Science 3 AGRI 2113 Microcomputers in Agriculture or fulfillment of computer literacy requirement. See page 30 for options.
# AGRICULTURE OPTION AREAS (11)

## Associate in Science

### Agricultural Communications Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Agriculture Sciences</td>
<td>6</td>
<td>AGRI 2103 Communication in Agriculture</td>
</tr>
<tr>
<td>Art</td>
<td>3</td>
<td>ACCT 2173 Financial Accounting</td>
</tr>
<tr>
<td>Computer Science</td>
<td>3</td>
<td>MGMT 1333 Principals of Advertising</td>
</tr>
</tbody>
</table>

### Agriculture Economics Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture Sciences</td>
<td>6</td>
<td>AGEC 2113 Farm and Ranch Management</td>
</tr>
<tr>
<td>Accounting</td>
<td>3</td>
<td>ACCT 2173 Financial Accounting</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
<td>ECON 2193 Principles of Macroeconomics or</td>
</tr>
</tbody>
</table>

### Agronomy Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Agriculture Sciences</td>
<td>12</td>
<td>AGRN 2313 Weed Science</td>
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<tr>
<td></td>
<td></td>
<td>AGRN 2333 Range and Pasture Management</td>
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<tr>
<td></td>
<td></td>
<td>AGRN 2323 Plant Insect &amp; Disease Control</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HORT 1303 Fertilizers and Soils</td>
</tr>
</tbody>
</table>

### Animal Science Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Science</td>
<td>12</td>
<td>ANSI 1213 Livestock Production</td>
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<tr>
<td></td>
<td></td>
<td>ANSI 2112 Livestock Evaluation &amp; Selection</td>
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<tr>
<td></td>
<td></td>
<td>ANSI 2122 Meat Animal Carcass Evaluation</td>
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<tr>
<td></td>
<td></td>
<td>ANSI 2123 Livestock Feeding</td>
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<tr>
<td></td>
<td></td>
<td>ANSI 2132 Advanced Livestock Evaluation &amp; Selection</td>
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<tr>
<td></td>
<td></td>
<td>ANSI 2143 Anatomy and Physiology of Reproduction</td>
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<tr>
<td></td>
<td></td>
<td>ANSI 2233 Livestock Fitting and Grooming</td>
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<tr>
<td></td>
<td></td>
<td>ANSI 2142 Artificial Insemination</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ANSI 2253 Beef Cattle Feedlot Operations</td>
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</tbody>
</table>

### Equine Science Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Equine Science</td>
<td>12</td>
<td>EQSC 1113 Introduction to Equine Science</td>
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<tr>
<td></td>
<td></td>
<td>EQSC 1134 Basic Equine Care &amp; Training</td>
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<td></td>
<td></td>
<td>EQSC 2223 Equine Nutrition and Health</td>
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<tr>
<td></td>
<td></td>
<td>EQSC 2243 Equine Breeding &amp; Management</td>
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<tr>
<td></td>
<td></td>
<td>EQSC 2423 Equine Anatomy &amp; Physiology</td>
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</tbody>
</table>

### Enology Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Enology</td>
<td>12</td>
<td>ENO 1112 Principles of Enology I</td>
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<td></td>
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<td>ENO 1121 Sensory Evaluation</td>
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<td></td>
<td>ENO 2112 Principles of Enology II</td>
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<tr>
<td></td>
<td></td>
<td>ENO 2122 Analysis of Must and Wine</td>
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<tr>
<td></td>
<td></td>
<td>ENO 2132 Winery Operations</td>
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<tr>
<td></td>
<td></td>
<td>ENO 2972 Vineyard and Winery Marketing</td>
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<tr>
<td></td>
<td></td>
<td>ENO 2101-2104Winery Practicum</td>
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</tbody>
</table>

### Farm & Ranch Management Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</table>

### General Agriculture Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min Hours</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Agriculture Sciences</td>
<td>12</td>
<td>ANSI 1213 Livestock Production</td>
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<td></td>
<td>ANGRN 2333 Range &amp; Pasture Management</td>
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<tr>
<td></td>
<td></td>
<td>AGEC 2143 Principles of Agricultural Marketing</td>
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<tr>
<td></td>
<td></td>
<td>AGEC 2113 Farm and Ranch Management</td>
</tr>
</tbody>
</table>

#### Area Min Hours Courses
- Area: Agriculture Sciences 12
  - Courses:  
    - ANSI 1213 Livestock Production
    - ANGRN 2333 Range & Pasture Management
    - AGEC 2143 Principles of Agricultural Marketing
    - AGEC 2113 Farm and Ranch Management

### Horticulture Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horticulture</td>
<td>12</td>
<td>HORT 1303 Introduction to Horticulture</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HORT 1353 Fertilizers and Soils</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HORT 2373 Plant Propagation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HORT 2413 Green House Operations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HORT 2433 Floriculture</td>
</tr>
</tbody>
</table>

#### Area Min Hours Courses
- Area: Horticulture 12
  - Courses:  
    - HORT 1303 Introduction to Horticulture
    - HORT 1353 Fertilizers and Soils
    - HORT 2373 Plant Propagation
    - HORT 2413 Green House Operations
    - HORT 2433 Floriculture

### Viticulture Option Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Viticulture</td>
<td>12</td>
<td>VIN 1111 Oklahoma Vineyard Management</td>
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<tr>
<td></td>
<td></td>
<td>VIN 1113 Principles of Viticulture I</td>
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<tr>
<td></td>
<td></td>
<td>VIN 1121 Global Terroir</td>
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<tr>
<td></td>
<td></td>
<td>VIN 2111 Integrated Pest Management</td>
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<td></td>
<td></td>
<td>VIN 2112 Principles of Viticulture II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VIN 2221 Vineyard Technology</td>
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<tr>
<td></td>
<td></td>
<td>VIN 2972 Winery Tasting Room Management</td>
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<tr>
<td></td>
<td></td>
<td>VIN 2101-2104 Vineyard Practicum</td>
</tr>
</tbody>
</table>

#### Area Min Hours Courses
- Area: Viticulture 12
  - Courses:  
    - VIN 1111 Oklahoma Vineyard Management
    - VIN 1113 Principles of Viticulture I
    - VIN 1121 Global Terroir
    - VIN 2111 Integrated Pest Management
    - VIN 2112 Principles of Viticulture II
    - VIN 2221 Vineyard Technology
    - VIN 2972 Winery Tasting Room Management
    - VIN 2101-2104 Vineyard Practicum
### APPLIED TECHNOLOGY

**Aviation Technology Option**

*Associate in Applied Science*

**General Requirements:** Total Hours: 65 • Minimum GPA: 2.0

**Program Description:** This program provides experience in aircraft shop practice, maintenance and repair.

**GENERAL EDUCATION REQUIREMENTS**

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Communications</td>
<td>6</td>
<td>ENGL 1113 English Composition I</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II* or</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 2033 Technical Writing &amp; Reporting</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
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<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
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<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Selected General Ed Requirements</td>
<td>3</td>
<td>SPCH 1113 Fundamentals of Speech* or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPCH 2313 Interpersonal Communications</td>
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</tbody>
</table>

**TECHNICAL-OCCUPATIONAL SPECIALITY COURSES**

<table>
<thead>
<tr>
<th>Area*</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Aviation*</td>
<td>30</td>
<td>ATEC 1113 Aviation Electricity*</td>
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<tr>
<td></td>
<td></td>
<td>ATEC 1519 Aviation-General*</td>
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<td>ATEC 2319 Aviation-Airframe*</td>
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<td></td>
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<td>ATEC 2519 Aviation-Power Plant*</td>
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</tbody>
</table>

*These courses are offered through Canadian Valley Technology Center. Courses may be waived with a valid Department of Transportation Federal Aviation Administration certificate.

**SUPPORT AND RELATED COURSES**

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
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<tr>
<td>14</td>
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<td>MATH 1513 College Algebra</td>
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<tr>
<td></td>
<td></td>
<td>PHYS 1115 Physics with Lab</td>
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<td></td>
<td></td>
<td>ECON 2193 Macroeconomics or</td>
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<tr>
<td></td>
<td></td>
<td>ECON 2203 Microeconomics</td>
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<tr>
<td></td>
<td></td>
<td>MGMT 2033 Principles of Management</td>
</tr>
</tbody>
</table>

**INSTITUTIONAL REQUIREMENTS**

Must fulfill computer literacy requirement. See page 30 for options.
APPLIED TECHNOLOGY
Computer-Aided Drafting Option
Associate in Applied Science

General Requirements: Total Hours: 60 • Minimum GPA: 2.0
Program Description: This program emphasizes basic computer aided drafting; technical, architectural and structural drafting.

GENERAL EDUCATION REQUIREMENTS ........................................................................................................... 18 hours

Area Min. Hours Courses
Communications 6 ENGL 1113 English Composition I
ENGL 1213 English Composition II* or
ENGL 2033 Technical Writing & Reporting
Social Science 6 HIST 1483 U.S. History to 1877 or
HIST 1493 U.S. History, 1877 to Present
POLS 1113 U.S. Government
Selected General 6 MATH 1513 College Algebra
Ed Requirements MATH 1613 Trigonometry

TECHNICAL-OCCUPATIONAL SPECIALTY COURSES ...................................................................................... 30 hours

Area Min. Hours Courses
Computer Aided Drafting* 30 CAD 1114 Basic Drafting*
CAD 1024 Introduction to CAD*
CAD 2034 Advanced CAD*
CAD 2124 Residential Architectural Drafting*
CAD 2133 Commercial Architectural Drafting*
CAD 2013 CAD Presentation Graphics*
CAD 2394 Specialty Design Project*
CAD 2294 Advanced Specialty Design Project*

*These courses are offered through Canadian Valley Technology Center and Caddo Kiowa Technology Center.

SUPPORT AND RELATED COURSES .................................................................................................................. 9 hours

Area Min. Hours Courses
Physics 5 PHYS 1115 Physics with Lab
Computer Science 1 CMSC 1251 Windows Operating Systems
Management 3 MGMT 2103 Occupational/Technical Internship

INSTITUTIONAL REQUIREMENTS .................................................................................................................. 3 hours
Must fulfill computer literacy requirement. See page 30 for options.
APPLIED TECHNOLOGY
Health Technology Option
Associate in Applied Science

General Requirements: Total Hours: 64 ! Minimum GPA: 2.0
Program Description: This program is for the student to gain concentrated training in areas of the health care field. Students will put their knowledge to use with actual clients during clinical rotations in hospitals, rehabilitation centers and other health-related agencies.

GENERAL EDUCATION REQUIREMENTS .................................................................................... 18 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>6</td>
<td>ENGL 1113 English Composition I</td>
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<tr>
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<td>ENGL 1213 English Composition II* or</td>
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<td>ENGL 2033 Technical Writing &amp; Reporting</td>
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<tr>
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<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
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<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
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<tr>
<td></td>
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<td>POLS 1113 U.S. Government</td>
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<tr>
<td>Speech</td>
<td>3</td>
<td>SPCH 1113 Fundamentals of Speech* or</td>
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<tr>
<td></td>
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<td>SPCH 2313 Interpersonal Communications</td>
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PROGRAM REQUIREMENTS ..................................................................................................... 33 hours

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<td>AHS 1123 Medical Terminology</td>
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<tr>
<td>Surgical Technology*</td>
<td>30</td>
<td>HTEC 2116 Surgical Technology Theory I*</td>
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<tr>
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<td></td>
<td>HTEC 2124 Surgical Technology Clinical I*</td>
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<tr>
<td></td>
<td></td>
<td>HTEC 2136 Surgical Technology Theory II*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HTEC 2144 Surgical Technology Clinical II*</td>
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<tr>
<td></td>
<td></td>
<td>HTEC 2156 Surgical Technology Theory III*</td>
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<td>HTEC 2164 Surgical Technology Clinical III*</td>
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<td></td>
<td>These courses may be waived with a valid Liaison Council on Certification for Surgical Technologists Certificate.</td>
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SUPPORT AND RELATED COURSES .......................................................................................... 10 hours

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<tr>
<td></td>
<td>7</td>
<td>PSY 1113 Elements of Psychology</td>
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<tr>
<td></td>
<td></td>
<td>BISC 1114 General Biology with Lab or</td>
</tr>
<tr>
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<td></td>
<td>MICR 2135 Microbiology with Lab or</td>
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<tr>
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<td>ZOOL 2134 Human Anatomy with Lab</td>
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INSTITUTIONAL REQUIREMENTS ............................................................................................... 3 hours
Must fulfill computer literacy requirement. See page 30 for options.
APPLIED TECHNOLOGY
Horticulture Technology Option
Associate in Applied Science

General Requirements: Total Hours: 64 • Minimum GPA: 2.0
Program Description: This program is designed for students to examine career options in the field of horticulture. Students will receive hands-on experience in the areas of fertilizers and soils, plant propagation, greenhouse operations and floriculture.

GENERAL EDUCATION REQUIREMENTS ........................................................................................... 18 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<td>ENGL 1113 English Composition I</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II* or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 2033 Technical Writing &amp; Reporting</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
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<td>HIST 1493 U.S. History, 1877 to Present</td>
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<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Speech</td>
<td>3</td>
<td>SPCH 1113 Fundamentals of Speech* or</td>
</tr>
<tr>
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<td>SPCH 2313 Interpersonal Communications</td>
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TECHNICAL-OCCUPATIONAL SPECIALITY COURSES ................................................................... 28 hours

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<tr>
<td>Horticulture*</td>
<td>15</td>
<td>HORT 1303 Introduction to Horticulture*</td>
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<tr>
<td></td>
<td></td>
<td>HORT 1353 Fertilizers and Soils*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HORT 2373 Plant Propagation*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HORT 2413 Green House Operations*</td>
</tr>
<tr>
<td></td>
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<td>HORT 2433 Floriculture*</td>
</tr>
<tr>
<td>Management</td>
<td>3</td>
<td>MGMT 2103 Occupational/Technical Internship</td>
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<tr>
<td>Horticulture Electives</td>
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*These courses are offered through Caddo-Kiowa Technology Center

SUPPORT AND RELATED COURSES .................................................................................................. 15 hours

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<th>Area</th>
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<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Ag Economics</td>
<td>4</td>
<td>AGEC 1374 Intro to Agricultural Economics</td>
</tr>
<tr>
<td>Computer Science</td>
<td>3</td>
<td>CMSC 1223 Business Applications Software or</td>
</tr>
<tr>
<td>Life Science (lecture and lab)</td>
<td>4</td>
<td>AGRN 1214 Intro to Plant Science or BISC or BOT or ZOOL</td>
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<tr>
<td>Electives</td>
<td>4</td>
<td>Select any General Ed Electives</td>
</tr>
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</table>

INSTITUTIONAL REQUIREMENTS .................................................................................................... 3 hours
Must fulfill computer literacy requirement. See page 30 for options.
APPLIED TECHNOLOGY
Industrial Technology/Power Generation Option
Associate in Applied Science

General Requirements: Total Hours: 60 • Minimum GPA: 2.0

Program Description: OG&E employees who have successfully completed the coursework and job performance measures (2,080 hours) at the OG&E Energy Corporation in the areas of Plant Operation, Instrumentation and Control, Plant Electricians and Plant Mechanics are eligible to enroll under this program. Upon completion of their apprenticeship program, they may transfer those hours into the Associate of Applied Science Applied Technology Industrial Technology/Power Generation Option at Redlands Community College.

GENERAL EDUCATION REQUIREMENTS ............................................................................................................... 18 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Communications</td>
<td>6</td>
<td>ENGL 1113 English Composition I</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II* or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 2033 Technical Writing &amp; Reporting</td>
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<tr>
<td>Social Science</td>
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<td>HIST 1483 U.S. History to 1877 or</td>
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<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
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<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
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<tr>
<td>Math</td>
<td>3</td>
<td>MATH 1513 College Algebra or</td>
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<td></td>
<td></td>
<td>MATH 1483 Contemporary College Math</td>
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<tr>
<td>Selected General</td>
<td>3</td>
<td>CMSC 1113 Computer Concepts and Applications or</td>
</tr>
<tr>
<td>Ed Requirements</td>
<td></td>
<td>CMSC 1223 Business Applications Software</td>
</tr>
</tbody>
</table>

TECHNICAL-OCCUPATIONAL SPECIALTY COURSES........................................................................................................ 42 hours

Students must complete the certified course work and job performance measures (2080 hours) at the O, G & E Energy Corporation in the areas of Plant Operations, Instrumentation and Control, Plant Electricians, and Plant Mechanics at the following levels:

Apprenticeship Level C-1, C-2, and C-3

Apprenticeship Level B-1 and B-2

Apprenticeship Level A-1 and A-2

Students are required to pass certification examinations for each of the above levels before credit can be transcripted.
APPLIED TECHNOLOGY

Information Technology Option

Associate in Applied Science

General Requirements: Total Hours: 60 • Minimum GPA: 2.0

Program Description: This program is designed for the student to develop skills in overall computer repair and networking, computer programming, network administration, or network security.

GENERAL EDUCATION REQUIREMENTS ........................................................................................... 18 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<tbody>
<tr>
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<td></td>
<td></td>
<td>HIST 1493 US History, 1877-Present</td>
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<td></td>
<td></td>
<td>POLS 1113 US Government</td>
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<tr>
<td>Selected General Ed Requirements</td>
<td>6</td>
<td>PSY 1113 Elements of Psychology</td>
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<tr>
<td></td>
<td></td>
<td>SOC 1113 Introduction to Sociology</td>
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TECHNICAL-OCCUPATIONAL SPECIALTY COURSES ........................................................................... 27 hours

Select one option from: (Requirements for each option listed on following pages).
- Network Infrastructure
- Computer Programming
- Network Operating System Administration
- Network Security
- Web Development
- Digital Video Development

SUPPORT AND RELATED COURSES ............................................................................................. 15 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<td>Math</td>
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<td>MATH 1513 College Algebra</td>
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<tr>
<td>Business</td>
<td>3</td>
<td>BUS 2093 Business Communications</td>
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<tr>
<td>Management</td>
<td>6</td>
<td>MGMT 2033 Principles of Management</td>
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<td>MGMT 2103 Occupational/Technical Internship</td>
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<tr>
<td>Elective</td>
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<td>Course to be selected from the student’s field of interest</td>
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*ITEC courses are offered through partnering Technology Centers.
## APPLIED TECHNOLOGY

### Information Technology Option Areas (6)

#### Associate in Applied Science

### Network Infrastructure Option

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<tr>
<td></td>
<td>27</td>
<td>ITEC 1016 PC Hardware &amp; Software*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ITEC 1353 Network Operating Systems*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ITEC 2113 Windows Workstation OS*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ITEC 2123 Windows Server OS*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ITEC 2313 CISCO Net Academy Internetworking I*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ITEC 2323 CISCO Net Academy Internetworking II*</td>
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<td></td>
<td></td>
<td>ITEC 2333 CISCO Net Academy Internetworking III*</td>
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<tr>
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<td>ITEC 2343 CISCO Net Academy Internetworking IV*</td>
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### Computer Programming Option

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<td>27</td>
<td>ITEC 1016 PC Hardware &amp; Software*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ITEC 1513 Programming Fundamentals*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ITEC 1353 Network Operating Systems*</td>
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<tr>
<td></td>
<td></td>
<td>ITEC 1613 Computer Programming I*</td>
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<td></td>
<td>ITEC 2613 Computer Programming II*</td>
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<td></td>
<td></td>
<td>ITEC 2633 JAVA Programming*</td>
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<td>ITEC 2653 Database Programming*</td>
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### Network Operating System Administration Option

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<td></td>
<td>27</td>
<td>ITEC 1016 PC Hardware &amp; Software*</td>
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<tr>
<td></td>
<td></td>
<td>ITEC 1353 Network Operating Systems*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ITEC 1113 Fundamentals of UNIX/LINUX*</td>
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<tr>
<td></td>
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<td>ITEC 2113 Windows Workstation OS*</td>
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<tr>
<td></td>
<td></td>
<td>ITEC 2123 Windows Server OS*</td>
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<td></td>
<td></td>
<td>ITEC 2423 Security+*</td>
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<td></td>
<td>ITEC 2363 Windows Network Infrastructure*</td>
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<td>ITEC 2313 CISCO Net Academy Internetworking I*</td>
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### Network Security Option

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<td>27</td>
<td>ITEC 1016 PC Hardware &amp; Software*</td>
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<td></td>
<td></td>
<td>ITEC 1353 Network Operating Systems*</td>
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<tr>
<td></td>
<td></td>
<td>ITEC 1413 Principles of Information Assurance*</td>
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<tr>
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<td>ITEC 2113 Windows Workstation OS*</td>
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<td>ITEC 2413 Network Security*</td>
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<td>ITEC 2433 Enterprise Security Management*</td>
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<td>ITEC 2453 Digital Forensics*</td>
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<td>ITEC 2473 Secure Electronic Commerce*</td>
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### Web Development Option

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<tr>
<td>ITEC 1216</td>
<td>Fundamentals of Digital Media Technologies *</td>
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<td>ITEC 1213</td>
<td>Color &amp; Design Theory *</td>
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<td>ITEC 1313</td>
<td>Web Programming *</td>
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<td>ITEC 2223</td>
<td>Web Design I *</td>
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<td>ITEC 2233</td>
<td>Web Design II *</td>
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<td>ITEC 2243</td>
<td>Digital Web Animation Design *</td>
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<td>ITEC 2263</td>
<td>Digital Web Presentations *</td>
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<td>ITEC 2283</td>
<td>Web Marketing &amp; Digital Advertising *</td>
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**Digital Video Development Option**

<table>
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<td>Color &amp; Design Theory *</td>
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<td></td>
<td>Fundamentals of Video Production *</td>
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<td>Digital Video Editing *</td>
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<td>Digital Media Production *</td>
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<td>Digital Video Animation Design *</td>
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<td>Digital Video Presentations *</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Digital Video Marketing &amp; Advertising *</td>
</tr>
</tbody>
</table>
ATHLETIC/PERSONAL TRAINER

Associate in Science

General Requirements: Total Hours: 63 • Minimum GPA: 2.0
Program Description: The Athletic/Personal Trainer program is designed for students who are interested in entering the fields of corporate wellness, health/fitness clubs, fitness education programs and personal fitness training. After completing the Athletic/Personal Trainer Program, students will be ready to take one of the many fitness certification exams and begin working in the fitness field of their choice.

GENERAL EDUCATION REQUIREMENTS ................................................................................................................................. 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
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<td></td>
<td>ENGL 1213 English Composition II</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Sciences</td>
<td>4</td>
<td>ZOOL 2134 Anatomy with Lab</td>
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<tr>
<td>Physical Sciences</td>
<td>5</td>
<td>CHEM 1315 General Chemistry I with Lab</td>
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<tr>
<td>Mathematics</td>
<td>3</td>
<td>MATH 1513 College Algebra</td>
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<td>Humanities</td>
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<td>7</td>
<td>PSY 1113 Elements of Psychology</td>
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<td>ZOOL 2144 Physiology with Lab</td>
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PROGRAM REQUIREMENTS ................................................................................................................... 23 hours

Select one option from: (Requirements for each option listed below and on following page.)

Athletic Trainer
Personal Trainer

Athletic Trainer Option ........................................................................................................................................... 23 hours

<table>
<thead>
<tr>
<th>Area</th>
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<th>Courses</th>
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<tbody>
<tr>
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<td>20</td>
<td>HPER 1302 Introduction to Physical Education</td>
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<tr>
<td></td>
<td></td>
<td>HPER 1322 Personal Health</td>
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<tr>
<td></td>
<td></td>
<td>HPER 1252 Orientation to Exercise Science</td>
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<tr>
<td></td>
<td></td>
<td>HPER 1601 Athletic/Personal Training Practicum I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HPER 1243 Introduction to Athletic Training</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HPER 2312 First Aid</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HPER 2343 Care and Prevention of Athletic Injuries</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HPER 2601 Athletic Training Practicum II</td>
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<tr>
<td></td>
<td></td>
<td>HPER 2593 Protective Techniques in Athletic Training</td>
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<tr>
<td></td>
<td></td>
<td>HPER 2651 Athletic Training Practicum III</td>
</tr>
<tr>
<td>Allied Health Sciences</td>
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<td>AHS 2013 Nutrition</td>
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Personal Trainer Option ........................................................................................................................................... 23 hours

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<td>HPER 1302 Introduction to Physical Education</td>
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<td>HPER 1322 Personal Health</td>
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<td></td>
<td>HPER 1252 Orientation to Exercise Science</td>
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<td></td>
<td></td>
<td>HPER 1601 Athletic/Personal Training Practicum I</td>
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<tr>
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<td>HPER 2103 Exercise Testing and Prescription</td>
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<td></td>
<td>HPER 2312 First Aid</td>
</tr>
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<td>HPER 2343 Care and Prevention of Athletic Injuries</td>
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<td>HPER 2611 Personal Training Practicum II</td>
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<td>AHS 2013 Nutrition</td>
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INSTITUTIONAL REQUIREMENTS .......................................................................................................................... 3 hours

Must fulfill computer literacy requirement. See Page 30 for options.
ART

Associate in Arts

General Requirements: Total Hours: 64 • Minimum GPA: 2.0

Program Description: The program consists of Redlands Community College degree requirements and courses generally completed in a two-year Associate in Arts Degree. When students complete the requirements of the art program, they will be eligible to transfer to a four-year institution in an art related field of study such as art education, commercial art or fine arts.

GENERAL EDUCATION REQUIREMENTS ........................................................................................................... 37 hours

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<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
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<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
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<td>POLS 1113 U.S. Government</td>
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<tr>
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<td>3</td>
<td>BISC, BOT, MICR, ZOOL (Lecture)</td>
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<td>CHEM, ASTR, GEOL, PHSC, PHYS (Lecture)</td>
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<tr>
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<td>BISC, BOT, CHEM, ASTR, GEOL, MICR, PHSC, PHYS, ZOOL (Lab)</td>
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<td>Mathematics</td>
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<td>PSY, SOC and</td>
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PROGRAM REQUIREMENTS ........................................................................................................................ 24 hours

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<td>ART 2233 Pottery I</td>
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<td>6</td>
<td>ART 1043 Art Design and Crafts</td>
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<td>ART 2113 Figure Drawing</td>
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<td>ART 2263 Pottery II</td>
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<td>HIST 2123 Western Civilization, 1500 to 1815</td>
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<td>HIST 2133 Western Civilization, 1815 to Present</td>
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<td></td>
<td>JOUR 1133 Introduction to Photography</td>
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<td>ART 2243 Painting</td>
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<td>ART 2063 Introduction to Digital Photography</td>
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</table>

INSTITUTIONAL REQUIREMENTS ................................................................................................................ 3 hours

Must fulfill computer literacy requirement. See page 30 for options.
BUSINESS ADMINISTRATION TECHNOLOGY

Associate in Applied Science

General Requirements: Total Hours: 63-66 • Minimum GPA: 2.0

Program Description: All Associate in Applied Sciences degrees are designed to prepare students for entry into careers in the various areas of Business Administration: accounting, administrative assistant, international business, management, medical coding and reimbursement, and medical transcription.

GENERAL EDUCATION REQUIREMENTS ................................................................................................................. 18 hours

<table>
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<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<td>ENGL 1113 English Composition I</td>
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<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or HIST 1493 U.S. History, 1877 to Present</td>
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TECHNICAL-OCCUPATIONAL SPECIALTY COURSES .................................................................................30-33 hours

Select one option from: (Requirements for each option listed on following pages.)

- Accounting
- Administrative Assistant
- International Business
- Management
- Medical Coding and Reimbursement
- Medical Transcription

Program Core Requirements ................................................................................................................................. 15 hours

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<td>BUS 2093 Business Communications</td>
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<tr>
<td></td>
<td></td>
<td>BUS 1353 Business Ethics or</td>
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<td></td>
<td></td>
<td>BUS 2163 Business Law**</td>
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<tr>
<td></td>
<td></td>
<td>BUS 1053 Business Math or</td>
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<td></td>
<td></td>
<td>MATH 1513 College Algebra</td>
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<tr>
<td>Computer Science</td>
<td>3</td>
<td>CMSC 1223 Business Applications Software or fulfillment of computer literacy requirement through options listed on Page 28*.</td>
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</tbody>
</table>

*CMSC 1223 must be completed before enrolling in any Technical/Occupational Specialty Course.
**Students enrolled in the International Business or Management options must take Business Ethics as Business Law is a requirement in those program options.
### BUSINESS ADMINISTRATION TECHNOLOGY OPTION

#### AREAS (6)

**Associate in Applied Science**

<table>
<thead>
<tr>
<th>Area</th>
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<td>ACCT 2183 Managerial Accounting</td>
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<tr>
<td>Accounting</td>
<td></td>
<td>ACCT 2213 Computerized Accounting or</td>
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<tr>
<td>Accounting</td>
<td></td>
<td>ACCT 2193 Internal Control and Auditing</td>
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<tr>
<td>Accounting</td>
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<td>ACCT 2223 Tax Accounting</td>
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<td>ACCT 2603 Intermediate Accounting I</td>
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<td>Economics</td>
<td>3</td>
<td>ECON 2193 Principles of Macroeconomics</td>
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<td>3</td>
<td>MGMT 2103 Occupational/Technical Internship or</td>
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<tr>
<td></td>
<td></td>
<td>MGMT 2143 Business Leadership</td>
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</table>

*This course can be fulfilled through an Internship. Internship must be totally focused in the area of the course being substituted. The Internship may be completed through BUS 2103 International Business Practice Firm.

#### Administrative Assistant Option

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<td>ACCT 2213 Computerized Accounting</td>
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<tr>
<td>Administrative</td>
<td>9</td>
<td>AMT 1043 Document Formatting*</td>
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<tr>
<td>Mgmt and Tech</td>
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<td>AMT 2153 Word Processing I</td>
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<tr>
<td></td>
<td></td>
<td>AMT 2303 Desktop Publishing</td>
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<tr>
<td>Computer Science</td>
<td>9</td>
<td>CMSC 1233 Spreadsheet Applications</td>
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<td></td>
<td></td>
<td>CMSC 1243 Database Applications</td>
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<tr>
<td></td>
<td></td>
<td>CMSC 1373 Operating Systems</td>
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<td>CMSC 2213 Introduction to Webpage Design</td>
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<tr>
<td>Management</td>
<td>9</td>
<td>MGMT 2033 Principles of Management</td>
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<td>AMT 2163 Administrative Management or</td>
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<td></td>
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<td></td>
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<td>MGMT 2103 Occupational/Technical Internship or</td>
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*Prerequisite—AMT 1033 Basic Computer Keyboarding Skills or equivalent.

#### International Business Option

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<td>ACCT 2183 Managerial Accounting</td>
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<td>ACCT 2213 Computerized Accounting</td>
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<tr>
<td>Economics</td>
<td>3</td>
<td>ECON 2193 Principles of Macroeconomics</td>
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<tr>
<td>Business</td>
<td>3</td>
<td>BUS 2163 Business Law</td>
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<td></td>
<td></td>
<td>MGMT 2463 International Human Resource Management*</td>
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<td>MGMT 2453 International Small Business Management* or</td>
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<tr>
<td>Marketing</td>
<td>3</td>
<td>MKRT 2423 International Marketing* or</td>
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<tr>
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<td>MKRT 2323 Principles of Marketing</td>
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<tr>
<td>Computer Science</td>
<td>3</td>
<td>CMSC 1233 Spreadsheet Applications</td>
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</tbody>
</table>

*This course is offered simultaneously with either MKRT 2323 Principles of Marketing, MGMT 2363 Human Resource Management, or MGMT 2353 Small Business Management. Course work will focus on international issues.
### BUSINESS ADMINISTRATION TECHNOLOGY OPTION

**AREAS (6)**

#### Associate in Applied Science

**Management Option**

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<td>ACCT 2183 Managerial Accounting</td>
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<td>Management</td>
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<td></td>
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<td>MGMT 2103 Occupational/Technical Internship or</td>
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<td>MGMT 2363 Human Resource Management</td>
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**Medical Coding and Reimbursement Option**

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<td>AMT 2153 Word Processing</td>
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<td>MGMT 2033 Principles of Management or</td>
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<tr>
<td>Zoology</td>
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*Prerequisite—AMT 1033 Basic Computer Keyboarding Skills or equivalent.

**Medical Transcription Option**

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</table>

*Prerequisite—AMT 1033 Basic Computer Keyboarding Skills or equivalent.

**Prerequisites—AHS 1123 Medical Terminology.
BUSINESS ADMINISTRATION

Associate in Arts

General Requirements: Total Hours: 64 • Minimum GPA: 2.0
Program Description: The Associate in Arts degree is designed to prepare students for further study in Business.

GENERAL EDUCATION REQUIREMENTS ........................................................................................................... 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Communications</td>
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<td>ENGL 1113 English Composition I</td>
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<td>SOC 1113 Introduction to Sociology</td>
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PROGRAM REQUIREMENTS ......................................................................................................................... 27 hours

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<td>MRKT 2323 Principles of Marketing</td>
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<tr>
<td>Computer Science</td>
<td>3</td>
<td>CMSC 1223 Business Applications Software*</td>
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INSTITUTIONAL REQUIREMENTS
*CMSC 1223 Fulfills Institutional Computer Literacy Requirement
# CHILD DEVELOPMENT

## Associate in Applied Science

**General Requirements:** Total Hours: 64 • Minimum GPA: 2.0

**Program Description:** The Associate in Applied Science in Child Development consists of curriculum to prepare child development professionals. The program prepares students for a job in child development centers or in an educational setting for young children.

### GENERAL EDUCATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>6</td>
<td>ENGL 1113 English Composition I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II <em>or</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 2033 Technical Writing and Reporting</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 <em>or</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Selected General Ed Requirements</td>
<td>6</td>
<td>BISC, BOT, CHEM, MATH, MUS, ART, PSY, SOC, SPCH, CMSC, GEG, PHSC</td>
</tr>
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</table>

### TECHNICAL-OCCUPATIONAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child Development</td>
<td>31</td>
<td>CD 2101 Portfolio Development in Early Childhood Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2053 Child Growth and Development</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2063 Behavior and Guidance of Young Children</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2023 Nutrition, Health, and Safety for Children</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2043 Parent and Community Relations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2073 Music, Movement, and Creative Arts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2103 Education and Services for Children with Special Needs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2173 Cognitive Skills for Children</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2183 Language and Social Skills for Children</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2203 Early Childhood Education Program Planning and Evaluation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2223 Professionalism in Early Childhood Education</td>
</tr>
</tbody>
</table>

### SUPPORT AND RELATED COURSES

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>3</td>
<td>SOC 2183 Sociology of the Family</td>
</tr>
<tr>
<td>Child Development</td>
<td>3</td>
<td>CD 2233 Assessment and Eval of Child Growth and Development</td>
</tr>
<tr>
<td>Art</td>
<td>3</td>
<td>ART 1033 Arts and Crafts</td>
</tr>
<tr>
<td>Management</td>
<td>3</td>
<td>MGMT 2103 Occupational/Technical Internship (CD)</td>
</tr>
</tbody>
</table>

### INSTITUTIONAL REQUIREMENTS

Must fulfill computer literacy requirement. See page 30 for options.
## CHILD DEVELOPMENT

### Certificate of Mastery

**General Requirements:** Total Hours: 18 • Minimum GPA: 2.0

**Program Description:** The Certificate of Mastery in Child Development allows students to obtain specialized training that can lead to the educational requirements for a CDA credential or to fulfill the requirements for Department of Human Services professional development. Certificate completers are able to meet the specific needs of children and work with parents and other adults to nurture children’s physical, social, emotional, and intellectual growth in a child development framework. All Child Development courses for this certificate must be taken at Redlands Community College.

### SPECIALIZED PROGRAM REQUIREMENTS .............................. 18 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
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<td>ENGL 1113 English Composition I</td>
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<tr>
<td>Child Development</td>
<td>15</td>
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<td></td>
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<td>CD 2063 Behavior and Guidance of Young Children</td>
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<tr>
<td></td>
<td></td>
<td>CD 2203 Early Childhood Education Program Planning and Evaluation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2223 Professionalism in Child Development</td>
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<tr>
<td></td>
<td></td>
<td>CD 2023 Nutrition, Health and Safety for Children</td>
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<tr>
<td></td>
<td></td>
<td>CD 2043 Parent and Community Relations</td>
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<tr>
<td></td>
<td></td>
<td>CD 2073 Music, Movement and Creative Arts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2103 Education and Services for Children with Special Needs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2173 Language and Social Skills for Children</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2233 Assessment and Evaluation of Child Growth and Development</td>
</tr>
</tbody>
</table>
CRIMINAL JUSTICE
Associate in Applied Science

General Requirements: Total Hours: 64 • Minimum GPA: 2.0

Program Description: This Criminal Justice Program allows students to gain knowledge which will enhance their opportunity to become employed in a criminal justice career with a specialty in one of the following areas: Collegiate Officer Program (COP), Computer Forensics, Corrections, Emergency Preparedness/Homeland Security, General Studies in Criminal Justice and Juvenile Justice.

GENERAL EDUCATION REQUIREMENTS ........................................................................................................................................... 18 hours

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<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Selected General Ed</td>
<td>6</td>
<td>PSY 1113 Elements of Psychology</td>
</tr>
<tr>
<td>Support Courses</td>
<td></td>
<td>SOC 1113 Introduction to Sociology</td>
</tr>
</tbody>
</table>

TECHNICAL-OCCUPATIONAL SPECIALTY AND SUPPORT COURSES ................................................. 46 hours

Students must take the 18-credit hour core technical-occupational course sequence and select one 28-credit hour option area from: (Requirements for each option listed below and on following pages.)

Collegiate Officer Program (COPS)
Computer Forensics
Corrections
Emergency Preparedness/Homeland Security
General Studies in Criminal Justice
Juvenile Justice

CORE TECHNICAL-OCCUPATIONAL COURSES (required for all option areas) ......................... 15 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminal Justice</td>
<td>9</td>
<td>CJ 1113 Introduction to Criminal Justice</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2313 Criminal Law</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2443 Criminal Law and Procedure</td>
</tr>
<tr>
<td>Fitness</td>
<td>3</td>
<td>HPER 1553 Lifetime Fitness and Management</td>
</tr>
<tr>
<td>Computer Science</td>
<td>3</td>
<td>CMSC 1223 Business Applications Software</td>
</tr>
</tbody>
</table>

TECHNICAL-OCCUPATIONAL SPECIALITY OPTION AREA COURSES ............................................ 31 hours

Collegiate Officer Program (COPS) Option: This Associate in Applied Science program Option is designed for a student who desires a career in law enforcement as a Certified Police Officer in the State of Oklahoma. This program provides a student an alternative means to become a police officer in this state through an agreement with the Council on Law Enforcement and Education (CLEET). A graduate of this program is eligible to take the certification test for employment as a police officer in the State of Oklahoma as soon as they are hired by an agency.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Criminal Justice</td>
<td>21</td>
<td>CJ 1243 Traffic Investigation and Enforcement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1313 Patrol Procedures</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1253 American Corrections Systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2043 CJ Report Writing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2433 Community and Cultural Diversity</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2343 Criminal Investigation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2451 Custody and Control</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2461 Defensive Driving</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2471 Firearms</td>
</tr>
<tr>
<td>Electives</td>
<td>7</td>
<td>Any CJ course not previously selected. Courses from student’s area of interest, foreign language such as Spanish strongly encouraged.</td>
</tr>
<tr>
<td>Support Courses</td>
<td>3</td>
<td>EMT 1113 First Responder</td>
</tr>
</tbody>
</table>
# CRIMINAL JUSTICE OPTION AREAS (6)

## Associate in Applied Science

### Computer Forensics Option: This Associate in Applied Science program option is designed for the student who desires a career in law enforcement or with private sector employers, as a Certified Computer Examiner.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Criminal Justice</td>
<td>24</td>
<td>CJ 1323 Overview of Computer/Cyber Crimes</td>
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<td></td>
<td>CJ 2233 Criminal Procedures for Computer Crime</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2223 File System Forensics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2243 Network Technologies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2253 Forensic Computer Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2263 Internet Crime Investigation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2343 Criminal Investigations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2293 Advanced Computer Forensic Methodology</td>
</tr>
<tr>
<td>Support Electives</td>
<td>7</td>
<td>Courses from student’s area of interest</td>
</tr>
</tbody>
</table>

### Corrections Option: This Associate in Applied Science program option is for the student who desires a career in Corrections.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Criminal Justice</td>
<td>12</td>
<td>CJ 1253 American Corrections System</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2353 Administration of Correctional Institutions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2433 Community and Cultural Diversity</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2453 Probation and Parole</td>
</tr>
<tr>
<td></td>
<td>9-12</td>
<td>CJ Any other CJ course not previously selected</td>
</tr>
<tr>
<td>Sociology</td>
<td>3-6</td>
<td>SOC Any other SOC course not previously selected</td>
</tr>
<tr>
<td>Support Courses</td>
<td>3</td>
<td>EMT 1113 First Responder</td>
</tr>
<tr>
<td>Support Electives</td>
<td>1</td>
<td>Courses from student’s area of interest</td>
</tr>
</tbody>
</table>

### Emergency Preparedness/Homeland Security Option: This Associate in Applied Science program option is designed for individuals responsible for the safety and security in areas such as business operations, civil agencies, and local communities.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Criminal Justice</td>
<td>21</td>
<td>CJ 1001 Animals in Disasters</td>
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<tr>
<td></td>
<td></td>
<td>CJ 1011 Anticipating Hazardous Weather</td>
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<td></td>
<td></td>
<td>CJ 1021 Basic Incident Command System</td>
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<td></td>
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<td>CJ 1031 Biological Emergency Management</td>
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<td></td>
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<td>CJ 1041 Chemical Emergency Management</td>
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<tr>
<td></td>
<td></td>
<td>CJ 1051 Combating Terrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1061 Community Disaster Exercises</td>
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<tr>
<td></td>
<td></td>
<td>CJ 1071 Developing and Managing Volunteers</td>
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<tr>
<td></td>
<td></td>
<td>CJ 1081 Domestic Terrorism</td>
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<td></td>
<td></td>
<td>CJ 1091 Emergency Response to Terrorism</td>
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<tr>
<td></td>
<td></td>
<td>CJ 1101 Hazardous Devices, Bombs and Explosives</td>
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<tr>
<td></td>
<td></td>
<td>CJ 1111 Intro to Community Emergency Response Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1121 Media and Disaster Publicity</td>
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<td></td>
<td></td>
<td>CJ 1131 Nuclear/Radiological Emergency Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1141 Principles of Emergency Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1151 Psychology of Terrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1161 State Disaster Management System</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1171 Voluntary and Public Agencies in Emergency Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1181 Intro to Cyber Security</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1191 Firewalls and Virus Protection</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 1201 Technology and Domestic Terrorism</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>CJ Any other CJ course not previously selected</td>
</tr>
<tr>
<td>Support Courses</td>
<td>7</td>
<td>EMT 1117 EMT Basic</td>
</tr>
</tbody>
</table>
CRIMINAL JUSTICE OPTION AREAS (6)
Associate in Applied Science

General Studies in Criminal Justice Option: This Associate in Applied Science program option is constructed for the student desiring a career in a criminal justice generic field.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Criminal Justice</td>
<td>18-24</td>
<td>CJ</td>
<td>Any CJ course not previously selected</td>
</tr>
<tr>
<td>Sociology</td>
<td>3-9</td>
<td>SOC</td>
<td>Any SOC course not previously selected</td>
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<tr>
<td>Support Electives</td>
<td>4</td>
<td></td>
<td>Courses from student’s area of interest</td>
</tr>
</tbody>
</table>

Juvenile Justice Option: This Associate in Applied Science program option is designed for those individuals who desire a career in the juvenile justice system.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>9</td>
<td>SOC 2133 Crime and Delinquency</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SOC 2173 Problems in Sociology</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>SOC 2183 Sociology of the Family</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>6</td>
<td>PSY 2043 Social Psychology</td>
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</tr>
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<td></td>
<td></td>
<td>PSY 2033 Adolescent Psychology</td>
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</tr>
<tr>
<td>Criminal Justice</td>
<td>7</td>
<td>CJ 2104 Practicum in CJ</td>
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<tr>
<td></td>
<td></td>
<td>CJ 2433 Community and Cultural Diversity</td>
<td></td>
</tr>
<tr>
<td>CJ Electives</td>
<td>6</td>
<td>CJ</td>
<td>Select from any CJ courses</td>
</tr>
<tr>
<td>Support Courses</td>
<td>3</td>
<td>EMT 1113 First Responder</td>
<td></td>
</tr>
</tbody>
</table>
PRE-CRIMINAL JUSTICE  
Associate in Arts

General Requirements: Total Hours: 64 • Minimum GPA: 2.0

Program Description: The Pre-Criminal Justice program is designed for students who intend to transfer to a baccalaureate program in criminal justice. The freshman and sophomore level courses introduce the student to Criminal Justice and provide him or her the general education core requirements. Those enrolled in the Associate in Arts Pre-Criminal Justice program are encouraged to work closely with their advisors and with the admissions department at the 4-year institution where they wish to transfer in designing their course of study.

GENERAL EDUCATION REQUIREMENTS .................................................................................................................. 37 hours

Area                  Min. Hours | Courses

Communications       6 | ENGL 1113 English Composition I  
                        | ENGL 1213 English Composition II
Social Science        6 | HIST 1483 U.S. History to 1877 or  
                        | HIST 1493 U.S. History, 1877 to Present  
                        | POLS 1113 U.S. Government
Life Science          3 | BISC, BOT, MICR, ZOOL (Lecture)
Physical Science      3 | CHEM, ASTR, GEOL, PHSC, PHYS (Lecture)
Science Lab           1 | BISC, BOT, CHEM, ASTR, GEOL, MICR, PHSC, PHYS, ZOOL  
                        | (Lab)
Humanities            6 | See humanities course options listing on page 30.
Mathematics           3 | MATH 1493 Contemporary Math  
                        | MATH 1513 College Algebra
Psy/Soc.              6 | PSY 1113 Elements of Psychology  
                        | SOC 1113 Introduction to Sociology
Selected General Ed Requirements  3 | PSY, SOC, ART, HIST, PHIL, POLS, SPAN, or SPCH

PROGRAM REQUIREMENTS ................................................................................................................................. 24 hours

Area                   Min. Hours | Courses

Criminal Justice       9 | CJ 1113 Introduction to Criminal Justice  
                        | CJ 2313 Criminal Law  
                        | CJ 2443 Criminal Law and Procedures  
                        | CJ 2333 Police Organization and Management
Social Science          3 | SOC 2133 Crime and Delinquency  
                        | SOC 2173 Problems in Sociology  
                        | SOC 2183 Sociology of the Family
Physical Education      3 | HPER 1553 Lifetime Fitness and Management

INSTITUTIONAL REQUIREMENTS .......................................................................................................................... 3 hours

Must fulfill computer literacy requirement. See page 30 for options.
COMPUTER FORENSIC SCIENCE
Certificate of Mastery

General Requirements: Total Hours: 24 • Minimum GPA: 2.0

Program Description: The Certificate of Mastery in Computer Forensic Science allows students to obtain specialized training designed for the student who desires a career in law enforcement or with private sector employers, as a Certified Computer Examiner. All courses for this certificate must be taken at Redlands Community College.

SPECIALIZED PROGRAM REQUIREMENTS ....................................................................................... 24 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
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<tr>
<td>Criminal Justice</td>
<td>24</td>
<td>CJ 1323 Overview of Computer/Cyber Crimes</td>
</tr>
<tr>
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<td>CJ 2223 File System Forensics</td>
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<td></td>
<td></td>
<td>CJ 2243 Network Technologies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2253 Forensic Computer Science</td>
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<tr>
<td></td>
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<td>CJ 2263 Internet Crime Investigation</td>
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<td></td>
<td></td>
<td>CJ 2343 Criminal Investigations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CJ 2293 Advanced Computer Forensic Methodology</td>
</tr>
</tbody>
</table>
EARLY CHILDHOOD CENTER MANAGEMENT

Associate in Applied Science

General Requirements: Total Hours: 63 • Minimum GPA: 2.0
Program Description: The Associate in Applied Science in Early Childhood Center Management will provide students with the ability to articulate, interpret, and apply principles to the daily operations of all aspects of a child care center. The degree is designed to allow the student to examine the administrative responsibilities of the early childhood center director. Students will analyze state regulations, characteristics of a successful director, and explore management techniques.

GENERAL EDUCATION REQUIREMENTS .................................................................................................................. 18 hours

<table>
<thead>
<tr>
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<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>6</td>
<td>ENGL 1113 English Composition I</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 2033 Technical Writing and Reporting</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Selected General Ed</td>
<td>6</td>
<td>BISC, BOT, CHEM, MATH, MUS, ART, PSY, SOC, SPCH, SOC, SPCH, CMSC, GEG, PHSC</td>
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TECHNICAL-OCCUPATIONAL SPECIALTY COURSES .................................................................................................. 36 hours

<table>
<thead>
<tr>
<th>Area</th>
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<tbody>
<tr>
<td>Early Childhood Center</td>
<td>15</td>
<td>ECM 2113 Early Childhood Center Policies and Procedures</td>
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<tr>
<td>Management</td>
<td></td>
<td>ECM 2123 Early Childhood Center Financial Planning and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ECM 2133 Early Childhood Center Personnel Development and</td>
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<td></td>
<td></td>
<td>ECM 2143 Early Childhood Center Program Development and</td>
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<td></td>
<td></td>
<td>ECM 2243 Early Childhood Center Facility Management</td>
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<tr>
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<td>ECM 2313 Early Childhood Center Marketing and Public Relations</td>
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<tr>
<td>Child Development</td>
<td>21</td>
<td>ECM 2413 Managing Personnel Performance Standards</td>
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<td>ECM 2423 Managing Diversity in Early Childhood Education</td>
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<td>ECM 2432 Leadership in Early Childhood Education</td>
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<td>ECM 2443 Early Childhood Ctr Admin. Responsibilities—The Director</td>
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<td>CD 2023 Nutrition, Health and Safety for Children</td>
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<td>CD 2173 Cognitive Skills for Children</td>
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<td>CD 2103 Education and Services for Children with Special Needs</td>
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<td>CD 2043 Parent and Community Relations</td>
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<td>CD 2053 Child Growth and Development</td>
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<td>CD 2063 Behavior and Guidance of the Young Child</td>
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<td>CD 2073 Music, Movement and Creative Arts</td>
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<tr>
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<td>CD 2183 Language and Social Skills for the Child</td>
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SUPPORT AND RELATED COURSES .................................................................................................................. 6 hours

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<tr>
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<td>6</td>
<td>SOC 2183 Sociology of the Family</td>
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<tr>
<td>Management</td>
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<td>MGMT 2103 Occupation/Technical Internship (CD)</td>
</tr>
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</table>

INSTITUTIONAL REQUIREMENTS .................................................................................................................. 3 hours

Must fulfill computer literacy requirement. See page 30 for options.
# PRE-EDUCATION ELEMENTARY

*Associate in Arts*

**General Requirements:** Total Hours-64 • Minimum GPA-2.0 (must have a 2.5 GPA to be admitted to most teacher education programs at four year institutions)

**Program Requirements:** The Pre-Education program consists of curriculum preparing students who plan to teach in the education field. With an associate degree in Pre-Education, students are prepared to continue further education toward an education degree.

### GENERAL EDUCATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>9</td>
<td>ENGL 1113 English Composition I</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPCH 1113 Fundamentals of Speech</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Science and Physical Science</td>
<td>12</td>
<td>BISC, BOT, MICR CHEM, ASTR, GEOL, PHSC, PHYS</td>
</tr>
</tbody>
</table>

(Elementary education students must complete a total of 12 hours of science. Those twelve hours must include at least one life science, at least one physical science, and at least one science course that includes a lab. A student who takes three 3-hour science courses, each with a 1-hour lab, could satisfy the state requirement for 12 hours of science with three science courses.)

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>3</td>
<td>ART 1113 or ART 1123 Art Appreciation</td>
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<tr>
<td></td>
<td>3</td>
<td>ENGL 2453 Introduction to Poetry</td>
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<tr>
<td>Mathematics</td>
<td>6</td>
<td>MATH 1023 Structural Concepts I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 1493 Contemporary Math</td>
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</tbody>
</table>

### PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Mathematics</td>
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<td>MATH 1513 College Algebra</td>
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<tr>
<td></td>
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<td>MATH 1613 Trigonometry</td>
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<td>MATH 2063 Structural Concepts II</td>
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<td></td>
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<td>MATH 2073 Structural Concepts in Algebra</td>
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<td></td>
<td></td>
<td>MATH 2193 Elements of Statistics</td>
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<tr>
<td>Social Studies</td>
<td>6</td>
<td>ECON 2193 Principles of Macroeconomics</td>
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<td></td>
<td></td>
<td>GEG 2243 Human Geography</td>
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<tr>
<td>Psychology</td>
<td>6</td>
<td>PSY 1113 Elements of Psychology</td>
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<td></td>
<td></td>
<td>PSY 2163 Developmental Psychology</td>
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<tr>
<td>Language</td>
<td>3</td>
<td>COM 1213 Sign Language I</td>
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<tr>
<td></td>
<td></td>
<td>SPA 1115 Beginning Spanish I</td>
</tr>
<tr>
<td>P.E.</td>
<td>1</td>
<td>HPER 1201 Super Circuit</td>
</tr>
</tbody>
</table>

**State Regents Requirements**

Must fulfill computer literacy requirement. See page 30 for options.

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60
PRE-EDUCATION SECONDARY

Associate in Arts

In 1996, the Oklahoma State Regents for Higher Education adopted a policy designed to strengthen the academic preparation of future teachers. This policy, effective fall 1997, requires students to complete at least twelve credit hours in English, mathematics, science, and social studies. In addition, all teacher education students in these areas must demonstrate listening and speaking skills in a foreign language at the A novice high level. The degree plan offers a university parallel program that provides structured opportunities to identify and to meet recently articulated educational objectives. Care should be taken by students to ensure that they are following the degree requirements of the college or university of transfer to complete the course work required at that institution.

General Requirements: Total Hours-63 • Minimum GPA-2.0

Program Requirements: The Pre-Education program consists of curriculum preparing students who plan to teach in the education field. With an associate degree in Pre-Education, students are prepared to continue further education toward an education degree.

GENERAL EDUCATION REQUIREMENTS ........................................................................................... 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>9</td>
<td>ENGL 1113 English Composition I</td>
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<tr>
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<td></td>
<td>ENGL 1213 English Composition II</td>
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<tr>
<td></td>
<td></td>
<td>SPCH 1113 Fundamentals of Speech</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Science</td>
<td>3</td>
<td>BISC, BOT, MICR, ZOOL (Lecture)</td>
</tr>
<tr>
<td>Physical Science</td>
<td>3</td>
<td>CHEM, ASTR, GEOL, PHSC, PHYS (Lecture)</td>
</tr>
<tr>
<td>Science Lab</td>
<td>1</td>
<td>BISC, BOT, CHEM, ASTR, GEOL, MICR, PHSC, PHYS, ZOOL (Lab)</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
<td>See humanities course options listing on page 30.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>MATH 1493 Contemporary Math or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 1513 College Algebra</td>
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<tr>
<td>Selected General</td>
<td>3</td>
<td>PSY, SOC and</td>
</tr>
<tr>
<td>Ed Requirements</td>
<td>3</td>
<td>ART, GEG, HIST, MUS, PHIL, POLS, RELG, SPA, SPCH</td>
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PROGRAM REQUIREMENTS ................................................................................................................... 23 hours

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<th>Area</th>
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<th>Courses</th>
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<tbody>
<tr>
<td>Psychology</td>
<td>3</td>
<td>PSY 1113 Elements of Psychology</td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
<td>SOC 1113 Introduction to Sociology</td>
</tr>
<tr>
<td>Speech</td>
<td>3</td>
<td>SPCH 2133 Interpersonal Communication</td>
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<tr>
<td>Electives</td>
<td>*14</td>
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</tr>
</tbody>
</table>

*Most institutions of higher education in Oklahoma require from 24 to 30 hours in a major field and 18 hours in a minor field. Students majoring in secondary education should begin course work in major and such fields. PLEASE SEE YOUR ADVISOR for specific course selections.

INSTITUTIONAL REQUIREMENTS ........................................................................................................ 3 hours

Must fulfill computer literacy requirement. See page 30 for options.
ENGLISH
Associate in Arts

General Requirements: Total Hours: 64 • Minimum GPA: 2.0
Program Description: The program consists of Redlands Community College degree requirements and those courses generally completed in the first two years of a four year English curriculum. Upon completion of this program, students will be able to write literary analysis essays, use and define elements and terminology of literature, and recognize common universals represented in literature and their application in every day existence.

GENERAL EDUCATION REQUIREMENTS .................................................................................................................. 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>9</td>
<td>ENGL 1113 English Composition I</td>
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<td>SPCH 1113 Fundamentals of Speech</td>
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<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
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<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
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<td>POLS 1113 U.S. Government</td>
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<tr>
<td>Life Science</td>
<td>3</td>
<td>BISC, BOT, MICR, ZOOL (Lecture)</td>
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<tr>
<td>Physical Science</td>
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<td>CHEM, ASTR, GEOL, PHSC, PHYS (Lecture)</td>
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<td>Science Lab</td>
<td>1</td>
<td>BISC, BOT, CHEM, ASTR, GEOL, MICR, PHSC, PHYS, ZOOL (Lab)</td>
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<tr>
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<td>6</td>
<td>See humanities course options listing on page 30.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>MATH 1493 Contemporary Math</td>
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<tr>
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<td>3</td>
<td>PSY, SOC and</td>
</tr>
<tr>
<td>Ed Requirements</td>
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PROGRAM REQUIREMENTS .................................................................................................................. 24 hours

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<tr>
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<td>ENGL 2063 Creative Writing I</td>
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<td>ENGL 2073 Creative Writing II</td>
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<td>3</td>
<td>ENGL 2413 Introduction to Literature</td>
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<td>ENGL 2423 Introduction to Fiction</td>
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<tr>
<td>Psychology</td>
<td>3</td>
<td>PSY 1113 Elements of Psychology</td>
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<tr>
<td>Speech</td>
<td>3</td>
<td>SPCH 2133 Interpersonal Communication</td>
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<tr>
<td>Electives</td>
<td>12</td>
<td>ENGL 2433 American Literature I</td>
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<td>ENGL 2443 American Literature II</td>
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<td></td>
<td></td>
<td>ENGL 2453 Introduction to Poetry</td>
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<td></td>
<td></td>
<td>PHIL 1113 Introduction to Philosophy</td>
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<td>HIST 2133 Western Civilization 1500 to 1815</td>
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<td>COM 1213 Sign Language I</td>
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<td>COM 2113 Sign Language II</td>
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<td></td>
<td></td>
<td>SPA 1115 Spanish I</td>
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</table>

INSTITUTIONAL REQUIREMENTS .................................................................................................................. 3 hours

Must fulfill computer literacy requirement. See Page 30 for options.
ENOLEGY
Certificate of Mastery

General Requirements: Total Hours: 15 • Minimum GPA: 2.0
Program Description: The program emphasizes the application of viticulture and winemaking theory for decision-making in actual production situations. The Viticulture and Enology Certificates prepare students for direct entry in the wine industry upon completion of their course of study at Redlands Community College. Also, students currently employed in the wine industry may upgrade and update their skills and knowledge, and those with a general interest in wines, pairing wine and food, and viticulture and grapevines may take classes for enjoyment and further knowledge. In addition, courses are available for students interested in transferring to a four-year institution.

SPECIALIZED PROGRAM REQUIREMENTS .......................................................................................................................... 15 Hours

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<td>ENO 1112 Enology I</td>
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<tr>
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<td>ENO 1121 Sensory Evaluation</td>
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<td>ENO 2112 Enology II</td>
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<td></td>
<td>ENO 2122 Analysis of Must and Wine</td>
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<td>ENO 2132 Winery Operations</td>
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<td>ENO 2141 Wine and Society</td>
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<td>ENO 2103 Enology Practicum</td>
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<tr>
<td>Viticulture</td>
<td>2</td>
<td>VIN 2962 Vineyard and Winery Marketing</td>
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</tbody>
</table>

63
EQUINE SCIENCE
Associate in Applied Science

General Requirements: Total Hours: 61-62 • Minimum GPA: 2.0

Program Description: The program of study prepares students for employment within the equine industry. The program of study is designed to match the needs and abilities of the students to career opportunities within the equine field. Specifically, students have the opportunity to gain competencies in the following employment areas: ground work and stable attendant, basic care and training, specialized training, breeding and management.

GENERAL EDUCATION REQUIREMENTS .................................................................................. 22-23 hours

<table>
<thead>
<tr>
<th>Area</th>
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<td>ENGL 1113</td>
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<td>ENGL 2033</td>
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<td>Social Science</td>
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<td>HIST 1483</td>
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<td>HIST 1493</td>
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<td>Life Science</td>
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<td>BISC 1114</td>
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<td>ZOOL 1125</td>
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<td>General Education Electives</td>
<td>6</td>
<td>PSY 1113</td>
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<td></td>
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TECHNICAL-OCCUPATIONAL SPECIALITY COURSES .................................................................. 28 hours

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<td>EQSC 1134</td>
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<td>EQSC 2223</td>
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<td>EQSC 2243</td>
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SUPPORT AND RELATED COURSES ...................................................................................... 11 hours

<table>
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<td>Animal Science</td>
<td>7</td>
<td>ANSI 1124</td>
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<td>ANSI 2123</td>
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<td>Support and Related</td>
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<td>ACCT 1063</td>
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<tr>
<td>Electives</td>
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<td>AGEC 2123</td>
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<td>AGRI 2103</td>
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<td>EQSC 2132</td>
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<td>EQSC 2163</td>
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<td>EQSC 2173</td>
</tr>
</tbody>
</table>
FAMILY STUDIES AND CHILD DEVELOPMENT  
Associate in Arts

General Requirements: Total Hours-65 • Minimum GPA-2.0

Program Description: Associate in Arts in Family Studies and Child Development is a preparatory degree to allow students to pursue a degree in the area of family studies and/or child development. The degree provides a background for students to learn about families and family relationships.

GENERAL EDUCATION REQUIREMENTS.......................................................................................................................... 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>9</td>
<td>ENGL 1113 English Composition I</td>
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<td></td>
<td>ENGL 1213 English Composition II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPCH 1113 Fundamentals of Speech or</td>
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<tr>
<td></td>
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<td>SPCH 2133 Interpersonal Communication</td>
</tr>
<tr>
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<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
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<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
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<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Science</td>
<td>3</td>
<td>BISC, BOT, MICR, ZOOL (Lecture)</td>
</tr>
<tr>
<td>Physical Science</td>
<td>3</td>
<td>CHEM, ASTR, GEOL, PHSC, PHYS (Lecture)</td>
</tr>
<tr>
<td>Science Lab (Lab)</td>
<td>1</td>
<td>BISC, BOT, CHEM, ASTR, GEOL, MICR, PHSC, PHYS, ZOOL</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
<td>ART 1113 Art Appreciation I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ART 1123 Art Appreciation II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 2423 Introduction to Literature I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 2433 American Literature I</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 2443 American Literature II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HUM 2113 General Humanities I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HUM 2223 General Humanities II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUS 1343 Music Appreciation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHIL 1113 Introduction to Philosophy</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>MATH 1023 Structural Concepts in Arithmetic or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 1513 College Algebra or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 1493 Contemporary Math</td>
</tr>
</tbody>
</table>

Selected General Ed Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY</td>
<td>1113</td>
</tr>
<tr>
<td>SOC</td>
<td>1113</td>
</tr>
</tbody>
</table>

PROGRAM REQUIREMENTS.................................................................................................................................................. 25 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child Dev/Sociology</td>
<td>15</td>
<td>CD 2153 Child Growth and Development</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2043 Parent and Community Relations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2163 Behavior and Guidance of Young Child</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2023 Nutrition, Health and Safety</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2173 Cognitive Skills of the Child</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2073 Music, Movement and Creative Arts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2103 Education and Services for Children w/Special Needs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2183 Language and Social Skills</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2223 Professionalism in CD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2233 Assessment and Evaluation of Child</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2203 Program Planning and Evaluation or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ECM 2123 Center Financial Planning and Management or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ECM 2133 Center Personnel Development and Management</td>
</tr>
</tbody>
</table>
7  CD  2101  Portfolio Development  
SOC  2183  Sociology of the Family  
MGMT  2103  Occupational Technical Internship

**INSTITUTIONAL REQUIREMENTS**

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Computer Science    | 3          | CMSC  1223  Business Applications Software* or  
Successful completion of the Computer Literacy Assessment

* Fulfils computer literacy requirement.
GENERAL STUDIES

Associate in Arts

General Requirements: Total Hours: 64 • Minimum GPA: 2.0

Program Description: The General Studies program provides students with a broad exposure to various academic disciplines during their first two years of post-secondary education. It offers students considerable latitude in curriculum choices but restricts selections to university-parallel transfer courses offered by Redlands Community College. The Associate in Arts General Studies degree incorporates essential training in written, oral and numerical communications while helping students develop an appreciation of the arts and sciences. Skills developed in the program will support whatever career students may pursue.

GENERAL EDUCATION REQUIREMENTS ........................................................................................... 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>9</td>
<td>ENGL 1113 English Composition I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPCH 1113 Fundamentals of Speech</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Science</td>
<td>3</td>
<td>BISC, BOT, MICR, ZOOL (Lecture)</td>
</tr>
<tr>
<td>Physical Science</td>
<td>3</td>
<td>CHEM, ASTR, GEOL, PHSC, PHYS (Lecture)</td>
</tr>
<tr>
<td>Science Lab</td>
<td>1</td>
<td>BISC, BOT, CHEM, ASTR, GEOL, MICR, PHSC, PHYS, ZOOL (Lab)</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
<td>See humanities course options listing on page 30.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>MATH 1493 Contemporary Math</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 1513 College Algebra</td>
</tr>
<tr>
<td>Selected General</td>
<td>3</td>
<td>PSY, SOC and</td>
</tr>
<tr>
<td>Ed Requirements</td>
<td>3</td>
<td>ANTH, ART, GEG, HIST, MUS, PHIL, POLS, RELG, SPA, SPCH</td>
</tr>
</tbody>
</table>

PROGRAM REQUIREMENTS ................................................................................................................... 24 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td>24</td>
<td>Courses to be selected from the student’s field of interest</td>
</tr>
</tbody>
</table>

INSTITUTIONAL REQUIREMENTS ............................................................................................................. 3 hours

Must fulfill computer literacy requirement. See Page 30 for options.
HEALTH, PHYSICAL EDUCATION AND RECREATION
Associate in Arts

General Requirements: Total Hours: 61 • Minimum GPA: 2.0

Program Description: The program provides training in physical education, recreation, and varsity sports programs. This degree has been designed to transfer to college and university baccalaureate programs in Health, Physical Education and Recreation areas

GENERAL EDUCATION REQUIREMENTS .................................................................................................................. 38 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>6</td>
<td>ENGL 1113 English Composition I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Science with Lab</td>
<td>4</td>
<td>BISC, BOT, MICR, ZOOL</td>
</tr>
<tr>
<td>Physical Science with Lab</td>
<td>4</td>
<td>ASTR, CHEM, GEOL, PHSC, PHYS</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
<td>See humanities course options listing on page 30.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>MATH 1493 Contemporary Math</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 1513 College Algebra</td>
</tr>
<tr>
<td>Computer Science</td>
<td>3</td>
<td>CMSC 1223 Business Applications Software or fulfillment of computer literacy requirement through options listed on page 30.</td>
</tr>
<tr>
<td>Selected General</td>
<td>3</td>
<td>PSY, SOC and</td>
</tr>
<tr>
<td>Ed Requirements</td>
<td>3</td>
<td>ART, GEG, HIST, MUS, PHIL, POLS, RELG, SPA, SPCH</td>
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</tbody>
</table>

PROGRAM REQUIREMENTS ...................................................................................................................................... 23 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health/Physical</td>
<td>14-23</td>
<td>HPER Courses other than activity or sports participation.</td>
</tr>
<tr>
<td>Education</td>
<td>0-3</td>
<td>HPER courses, activity or sports participation</td>
</tr>
<tr>
<td>Electives</td>
<td>0-9</td>
<td>Courses other then HPER from student’s field of interest.</td>
</tr>
</tbody>
</table>
HOMELAND SECURITY/ EMERGENCY PREPAREDNESS

Associate in Applied Science

Pending Approval

General Requirements: Total Hours: 64  Minimum GPA: 2.0

Program Requirements: This Homeland Security Program allows student to gain knowledge which will enhance their opportunity to become employed in a Homeland Security career with a specialty in one of the following areas: Homeland Security, Criminal Justice, Emergency Management, Emergency Medical Service, and Fire Service.

<table>
<thead>
<tr>
<th>GENERAL EDUCATION REQUIREMENTS</th>
<th>18 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>Min. Hours</td>
</tr>
<tr>
<td>Communications</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Selected General Ed Requirements</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CORE TECHNICAL-OCCUPATIONAL COURSES (required for all option areas) 15 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homeland Security</td>
<td>6</td>
<td>HLS 1113 Homeland Security</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HLS 1013 Introduction to Terrorism</td>
</tr>
<tr>
<td>Weapons of Mass Destruction</td>
<td>3</td>
<td>WMD 1013 Introduction to Weapons of Mass Destruction</td>
</tr>
<tr>
<td>Emergency Management</td>
<td>3</td>
<td>EMR 2113 Advanced Incident Command System</td>
</tr>
<tr>
<td>Hazardous Materials</td>
<td>3</td>
<td>HZMT 1013 Chemistry of Hazardous Material</td>
</tr>
</tbody>
</table>

TECHNICAL-OCCUPATIONAL SPECIALTY OPTION AREA COURSES.............. 31 hours

Homeland Security Option: This Associate in Applied Science program option is designed for individuals responsible for the safety and security in areas such as business operations, civil agencies, and local communities.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homeland Security</td>
<td>21</td>
<td>HLS 1213 Intermediate Terrorism</td>
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<tr>
<td></td>
<td></td>
<td>HLS 1233 Domestic Terrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HLS 1253 International Terrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HLS 1313 Terrorism and Religion</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HLS 2113 Psychology of Terrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HLS 2173 Islam and Militant Extremists</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HLS 2133 Counter Terrorism and Terrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HLS 2153 Terrorism Tactics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WMD 2033 Chemical Weapons and Terrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WMD 2013 Biological Weapons and Terrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WMD 2053 Nuclear/ Radiological Weapons and Terrorism</td>
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<tr>
<td></td>
<td></td>
<td>WMD 2073 Energetic Materials and Terrorism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HZMT 1113 Hazardous Materials I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HZMT 2113 Hazardous Materials II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AGRI 2403 Agricultural Emergencies and Agroterrorism</td>
</tr>
</tbody>
</table>

Support Courses 10 Any other CJ, FF, EMR, EMT, HLS, HZMT or WMD courses not previously selected

Emergency Medical Service Option: This Associate in Applied Science program option is designed for individuals responsible for the safety and security in within Emergency Medical Services.

69
<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMT</td>
<td>19</td>
<td>EMT 1117 EMT Basic</td>
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<tr>
<td></td>
<td></td>
<td>EMT 1119 EMT Intermediate or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMT 2219 EMT Paramedic I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMT 2313 Tactical Medicine</td>
</tr>
</tbody>
</table>

Support Courses 12 Any other CJ, FF, EMR, HLS, HZMT or WMD courses not previously selected

**Emergency Management Response Option:** This Associate in Applied Science program option is designed for individuals responsible for the safety and security in within Emergency Management Services.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Management</td>
<td>15</td>
<td>EMR 1213 Emergency Response and Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMR 1232 Emergency Response to Natural Disasters</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMR 1242 Community Emergency Response Teams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMR 2133 Advanced Emergency Management &amp; Planning</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMR 2153 Risk Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMR 2173 Risk Communication</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMR 2193 Emergency &amp; Disaster Exercise Planning</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMR 2213 Emergency &amp; Disaster Exercise Practicum</td>
</tr>
</tbody>
</table>

Homeland Security 9 Any other CJ, FF, EMT, HLS, HZMT or WMD courses not previously selected

Support Courses 7 EMT 1117 EMT Basic

**Fire Service Option:** This Associate in Applied Science program option is designed for individuals responsible for the safety and security in within Fire Service.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Fighter</td>
<td>24</td>
<td>*FF 1113 Firefighter Orientation</td>
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<tr>
<td></td>
<td></td>
<td>*FF 1117 Firefighter I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*FF 1122 Firefighter Incident Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*FF 2013 Firefighter Strategy, Tactics, and Safety</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*FF 2118 Firefighter II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*FF 2211 Advanced Vehicle Extrication</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EMT 1117 EMT Basic</td>
</tr>
</tbody>
</table>

Support Courses 7

**Law Enforcement Option:** This Associate in Applied Science program option is designed for individuals responsible for the safety and security in within Fire Service.

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminal Justice</td>
<td>18-20</td>
<td>CJ Any Criminal Justice class</td>
</tr>
</tbody>
</table>

Support Courses 11-13 Any other FF, EMR, EMT, HLS, HZMT or WMD courses not previously selected

*These courses are offered through partnering technology centers.*
NURSING

Associate in Applied Science

**General Requirements**: Total Hours: 70 • Minimum GPA: 2.5

**Program Description**: The Nursing Program at Redlands Community College is a two-year Associate Degree in Applied Science. A graduate of this program is eligible to write to the National Council Licensure Exam (NCLEX) for licensure as a Registered Nurse.

**GENERAL EDUCATION REQUIREMENTS** ........................................................................................................ 18 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications</td>
<td>6</td>
<td>ENGL 1113 English Composition I</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Selected General Ed</td>
<td>6</td>
<td>PSY 1113 Elements of Psychology</td>
</tr>
<tr>
<td>Requirements</td>
<td></td>
<td>SOC 1113 Introduction to Sociology</td>
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</tbody>
</table>

**TECHNICAL-OCCUPATIONAL SPECIALTY COURSES** .................................................................................. 32 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing*</td>
<td>32</td>
<td>NURS 1115 Fundamentals of Nursing w/Lab</td>
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<tr>
<td></td>
<td></td>
<td>NURS 1121 Fundamentals of Nursing Clinical</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NURS 1223 Adult Health Problems w/Lab</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NURS 1211 Adult Health Problems Clinical</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NURS 1233 Parental-Child Nursing w/Lab</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NURS 1241 Parental-Child Nursing Clinical</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NURS 2137 Complex Physical and Mental Illness w/Lab</td>
</tr>
<tr>
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<td>NURS 2131 Complex Physical and Mental Illness Clinical</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NURS 2243 Community Based Nursing w/Lab</td>
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<tr>
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<td></td>
<td>NURS 2241 Community Based Nursing Clinical</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NURS 2255 Management and Coordination of Nursing w/Lab</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NURS 2261 Management and Coordination of Nursing Clinical</td>
</tr>
</tbody>
</table>

*A student is not eligible to enroll in nursing courses until he or she is accepted into the program.

**NOTE**: Nursing courses are divided into theory, laboratory and clinical components. A satisfactory standard of performance must be maintained in all components of each nursing course. If a student has unsatisfactory performance in theory, laboratory or clinical, a passing grade will not be assigned to any component. Student must pass required standardized exit exam within three attempts to receive a passing grade and graduate the nursing program.

**SUPPORT AND RELATED COURSES** ........................................................................................................ 19-20 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life Science</td>
<td>12</td>
<td>MICR 2134 Introduction to Microbiology with Lab</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ZOOL 2134 Anatomy with Lab</td>
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<td></td>
<td></td>
<td>ZOOL 2144 Physiology with Lab</td>
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<tr>
<td>Physical</td>
<td>5</td>
<td>CHEM 1315 General Chemistry I with Lab or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHEM 1215 Chemistry I with Lab</td>
</tr>
<tr>
<td>Behavioral</td>
<td>3</td>
<td>PSY 2163 Developmental Psychology</td>
</tr>
</tbody>
</table>
PRE-PROFESSIONAL SCIENCES

Associate in Science

General Requirements: Total Hours: 60-64 • Minimum GPA: 2.0

Program Description: This Associate in Science degree program is designed to meet the needs of students to continue studies at a four year university or professional college in the biological, physical, and health related sciences. Biological sciences fields include agriculture, botany, zoology, ecology, microbiology, forestry, physiology, and environmental science. Physical sciences fields include geology, astronomy, meteorology, physics, and chemistry. Professional health fields include nursing, dentistry, optometry, medicine, veterinary medicine, physical, and occupational therapy.

GENERAL EDUCATION REQUIREMENTS ...................................................................................... 37-40 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
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<tbody>
<tr>
<td>Communications</td>
<td>6</td>
<td>ENGL 1113 English Composition I</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
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<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
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<td></td>
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<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Science</td>
<td>3-5</td>
<td>BISC, BOT, MICR, ZOOL (Lecture or Lecture/Lab)</td>
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<tr>
<td>Physical Science</td>
<td>3-5</td>
<td>CHEM, ASTR, GEOL, PHSC, PHYS (Lecture or Lecture/Lab)</td>
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<td>Science Lab</td>
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<td></td>
<td></td>
<td>One science course must be a laboratory science. See page 28.</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
<td>See humanities course options listing on page 30.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
<td>MATH 1513 College Algebra</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 1613 Trigonometry or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 2193 Elementary Statistics</td>
</tr>
<tr>
<td>Selected General</td>
<td>3</td>
<td>ANTH, ART, GEG, HIST, HUM, MUS, PHIL, POLS, PSY, RELG, SOC, SPA, SPCH</td>
</tr>
<tr>
<td>Ed Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Science</td>
<td>3</td>
<td>CMSC 1223 Business Applications Software or fulfillment of computer literacy requirement. See page 30 for options.</td>
</tr>
</tbody>
</table>

PROGRAM REQUIREMENT ................................................................................................................. 23-24 hours

Select one option from: (Requirements for each option listed below and on following page.)

Allied Health Science
Life Science
Mathematics
Physical Science

Allied Health Science Option
Area            | Min. Hours | Courses                  |
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Allied Health Science</td>
<td>9</td>
<td>AHS 1123 Medical Terminology</td>
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<td>AHS 2013 Nutrition</td>
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<td></td>
<td>AHS 2113 Pharmacology</td>
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<td>8</td>
<td>ZOOL 2134 Anatomy with Lab</td>
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<td></td>
<td>ZOOL 2144 Physiology with Lab</td>
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<tr>
<td>Behavioral Science</td>
<td>6</td>
<td>PSY 1113 Elements of Psychology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PSY 2163 Developmental Psychology</td>
</tr>
</tbody>
</table>

Note: For the Allied Health Science option the following courses shall be taken to meet the general education requirements for the listed areas:

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life Science</td>
<td>4-5</td>
<td>MICR 2135 Microbiology with Lab (recommended) or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MICR 2134 Introduction to Microbiology with Lab</td>
</tr>
<tr>
<td>Physical Science</td>
<td>5</td>
<td>CHEM 1315 General Chemistry I with Lab (recommended) or</td>
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</table>
### Selected General Ed Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 1215 Chemistry I with Lab</td>
<td>3</td>
</tr>
<tr>
<td>SOC 1113 Introduction to Sociology</td>
<td>1</td>
</tr>
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</table>

### Life Science Option

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life Science</td>
<td>16</td>
<td>BISC, BOT, MICR, NASC, WILD, ZOOL</td>
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<tr>
<td>Electives</td>
<td>7</td>
<td>AHS, ASTR, CHEM, GEOL, HEC, MATH, PHYS</td>
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### Mathematics Option

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Mathematics</td>
<td>15</td>
<td>MATH 2193 Elementary Statistics</td>
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<td></td>
<td></td>
<td>MATH 2714 Calculus I</td>
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<td></td>
<td></td>
<td>MATH 2734 Calculus II</td>
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<td></td>
<td></td>
<td>MATH 2754 Calculus III</td>
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<tr>
<td>Electives</td>
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<td>MATH, CMSC, CHEM, PHYS</td>
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### Physical Science Option

<table>
<thead>
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<th>Courses</th>
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<tbody>
<tr>
<td>Physical Science</td>
<td>11-19</td>
<td>ASTR, CHEM, GEOL, PHYS</td>
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<tr>
<td>Mathematics</td>
<td>4-12</td>
<td>MATH 2714 Calculus I</td>
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<td></td>
<td></td>
<td>MATH 2734 Calculus II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 2754 Calculus III</td>
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</tbody>
</table>
PSYCHOLOGY
Associate in Arts

General Requirements: Total Hours: 64 • Minimum GPA: 2.0
Program Description: The Associate in Arts in psychology consists of a curriculum which provides learning experiences in early and contemporary theories of behavior such as: how individuals think, behave, and make decisions, relate to others, adjust to and/or cope with stress, appreciate and value differences in individuals and groups, and understand themselves and others. Upon successful completion of the A.A. Degree in psychology, a student will be able to seek an entry level position in a human services agency and/or continue his or her education.

GENERAL EDUCATION REQUIREMENTS .............................................................................................................. 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Communications</td>
<td>9</td>
<td>ENGL 1113 English Composition I</td>
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<tr>
<td></td>
<td></td>
<td>ENGL 1213 English Composition II</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td>Life Science</td>
<td>3</td>
<td>BISC, BOT, MICR, ZOO, (Lecture)</td>
</tr>
<tr>
<td>Physical Science</td>
<td>3</td>
<td>CHEM, ASTR, GEOL, PHSC, PHYS (Lecture)</td>
</tr>
<tr>
<td>Science Lab</td>
<td>1</td>
<td>BISC, BOT, CHEM, ASTR, GEOL, MICR, PHSC, PHYS, ZOOL (Lab)</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
<td>See humanities course options listing on page 30.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>MATH 1513 College Algebra</td>
</tr>
<tr>
<td>Selected General</td>
<td>6</td>
<td>ART, GEG, HIST, MUS, PHIL, PELS, PSY, RELG, SOC, SPA, SPCH</td>
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PROGRAM REQUIREMENTS ................................................................................................................................. 24 hours

<table>
<thead>
<tr>
<th>Area</th>
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<th>Courses</th>
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<tbody>
<tr>
<td>Psychology</td>
<td>12</td>
<td>PSY 1113 Elements of Psychology (required)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PSY 1203 Psychology of Personal Adjustment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PSY 2043 Social Psychology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PSY 2163 Developmental Psychology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PSY 2213 Introduction to Personality Theory</td>
</tr>
<tr>
<td>Sociology</td>
<td>12</td>
<td>SOC 1113 Introduction to Sociology (required)</td>
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<tr>
<td></td>
<td></td>
<td>SOC 2113 Human Sexuality</td>
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<tr>
<td></td>
<td></td>
<td>SOC 2133 Crime and Delinquency</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SOC 2173 Problems in Sociology</td>
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<td></td>
<td></td>
<td>SOC 2183 Sociology of the Family</td>
</tr>
</tbody>
</table>

INSTITUTIONAL REQUIREMENTS .......................................................................................................................... 3 hours
Must fulfill computer literacy requirement. See Page 30 for options.
SOCIAL STUDIES
Social Studies or Family Services Option

Associate in Arts

General Requirements: Total Hours: 64 • Minimum GPA: 2.0

Program Description: The Social Studies program is designed for students wishing to transfer to a baccalaureate program. This curriculum provides a broad-based introduction to the social sciences.

GENERAL EDUCATION REQUIREMENTS ........................................................................................................ 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
</tr>
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<tbody>
<tr>
<td>Communications</td>
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<td>ENGL 1113 English Composition I</td>
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<td></td>
<td>ENGL 1213 English Composition II</td>
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<td></td>
<td></td>
<td>SPCH 1113 Fundamentals of Speech</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Science</td>
<td>3</td>
<td>BISC, BOT, MICR, ZOOL (Lecture)</td>
</tr>
<tr>
<td>Physical Science</td>
<td>3</td>
<td>CHEM, ASTR, GEOL, PHSC, PHYS (Lecture)</td>
</tr>
<tr>
<td>Science Lab</td>
<td>1</td>
<td>BISC, BOT, CHEM, ASTR, GEOL, MICR, PHSC, PHYS, ZOOL (Lab)</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
<td>See humanities course options listing on page 30.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>MATH 1493 Contemporary Math or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 1513 College Algebra</td>
</tr>
<tr>
<td>General Ed Electives</td>
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PROGRAM REQUIREMENTS ................................................................................................................... 24 hours

Select one option from: (Requirements for each option listed below and on following page.)

Family Services
Social Studies

Family Services Option

<table>
<thead>
<tr>
<th>Area</th>
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<th>Courses</th>
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<td>MGMT 2103 Occupational/Technical Internship</td>
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<tr>
<td>Social Sciences</td>
<td>21</td>
<td>CD 2043 Parent and Community Relations</td>
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<td></td>
<td></td>
<td>CD 2063 Behavior and Guidance of Young Children</td>
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<tr>
<td></td>
<td></td>
<td>SOC 2133 Crime and Delinquency</td>
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<tr>
<td></td>
<td></td>
<td>HIST 2123 Western Civilization: Origins to 1500 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 2133 Western Civilization: 1500 to Present</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PSY 2043 Social Psychology</td>
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<tr>
<td></td>
<td></td>
<td>SOC 2173 Problems in Sociology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SOC 2183 Sociology of the Family</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CD 2023 Nutrition, Health, and Safety for Children</td>
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</table>

Social Studies Option

<table>
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<tr>
<th>Area</th>
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<tbody>
<tr>
<td>Geography</td>
<td>3</td>
<td>GEG 2243 Human Geography or</td>
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<td></td>
<td></td>
<td>GEG 2253 World Regional Geography</td>
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<tr>
<td>History*</td>
<td>3</td>
<td>HIST 1483 U.S. History to 1877 or</td>
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<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
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<td></td>
<td>6</td>
<td>HIST 2001-3 History Seminar</td>
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<td></td>
<td>HIST 2123 Western Civilization: Origins to 1500</td>
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<td>HIST 2133 Western Civilization: 1500 to Present</td>
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<tr>
<td>Political Science</td>
<td>6</td>
<td>POLS 2001-3 Political Science Seminar</td>
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<td>POLS 2143 State and Local Government</td>
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<td>Sociology</td>
<td>3</td>
<td>SOC 2133 Crime and Delinquency</td>
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<td>SOC 2173 Problems in Sociology</td>
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<tr>
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<td>SOC 2183 Sociology of the Family</td>
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### SOCIAL STUDIES OPTION AREAS (2)

<table>
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<th>Courses</th>
<th>Courses Details</th>
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<tbody>
<tr>
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<td>ECON 2193</td>
<td>Principles of Macroeconomics</td>
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<tr>
<td></td>
<td></td>
<td>ECON 2203</td>
<td>Principles of Microeconomics</td>
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</tbody>
</table>

*You must successfully complete both HIST 1483 and HIST 1493. One course will be taken as a general education course and one course will be taken as a program requirement.

### INSTITUTIONAL REQUIREMENTS

Must fulfill computer literacy requirement. See Page 30 for options.
SPEECH

Associate in Arts

General Requirements: Total Hours: 64 • Minimum GPA: 2.0

Program Description: The program consists of Redlands Community College degree requirements and those courses included in the first two years of a speech curriculum. After completing courses in public address, interpersonal communications and oral interpretation, students will have developed techniques for gathering information, making dynamic presentations, and a total understanding of audiences, speaking skills, and presentations.

GENERAL EDUCATIONAL REQUIREMENTS .............................................................................................................. 37 hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Min. Hours</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Communications</td>
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<td>ENGL 1213 English Composition II</td>
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<tr>
<td></td>
<td></td>
<td>SPCH 1113 Fundamentals of Speech</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
<td>HIST 1483 U.S. History to 1877 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1493 U.S. History, 1877 to Present</td>
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<tr>
<td></td>
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<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Science</td>
<td>3</td>
<td>BISC, BOT, MICR, ZOOL (Lecture)</td>
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<td>Physical Science</td>
<td>3</td>
<td>CHEM, ASTR, GEOL, PHSC, PHYS (Lecture)</td>
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<td>Science Lab</td>
<td>1</td>
<td>BISC, BOT, CHEM, ASTR, GEOL, MICR, PHSC, PHYS, ZOOL (Lab)</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
<td>See humanities course options listing on page 30.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>MATH 1493 Contemporary Math or</td>
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<tr>
<td></td>
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<tr>
<td>Selected General</td>
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<td>PSY, SOC and</td>
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<td>Ed Requirements</td>
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<td>ART, GEG, HIST, MUS, PHIL, POLS, RELG, SPA, SPCH</td>
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PROGRAM REQUIREMENTS ...................................................................................................................................... 24 hours

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<thead>
<tr>
<th>Area</th>
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<th>Courses</th>
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<tr>
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<td>15</td>
<td>SPCH 1123 Introduction to Drama</td>
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<td>SPCH 1253 Voice and Diction</td>
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<td>SPCH 2133 Interpersonal Communication</td>
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<td>SPCH 2333 Group Discussion</td>
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<td>Psychology</td>
<td>6</td>
<td>PSY 1113 Elements of Psychology (required)</td>
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<tr>
<td></td>
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<td>PSY 2001-3 Psychology Seminar</td>
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<td>PSY 2043 Social Psychology</td>
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<td></td>
<td></td>
<td>PSY 2163 Developmental Psychology</td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
<td>SOC 1113 Introduction to Sociology</td>
</tr>
</tbody>
</table>

INSTITUTIONAL REQUIREMENTS .................................................................................................................................. 3 hours

Must fulfill computer literacy requirement. See Page 30 for options.
# SUSTAINABLE AGRICULTURE

## Associate in Applied Science

**General Requirements:** Total Hours: 60 • Minimum GPA: 2.0

**Program Description:** The program emphasizes the application of viticulture and winemaking theory for decision-making in actual production situations. The Viticulture and Enology Degrees prepare students for direct entry in the wine industry upon completion of their course of study at Redlands Community College. Also, students currently employed in the wine industry may upgrade and update their skills and knowledge, and those with a general interest in wines, pairing wine and food, and viticulture and grapevines may take classes for enjoyment and further knowledge. Bachelor of Applied Science degrees will accept transfers from this program.

**GENERAL EDUCATION REQUIREMENTS FOR VITICULTURE AND ENOLOGY** .......................... 30 hours

<table>
<thead>
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<td>ENGL 1213 English Composition II or</td>
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<td>ENGL 2033 Technical Writing and Reporting</td>
</tr>
<tr>
<td>Speech</td>
<td>3</td>
<td>SPCH 1113 Fundamentals of Speech or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPCH 2313 Business and Professional Speech</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
<td>POLS 1113 U.S. Government</td>
</tr>
<tr>
<td>Life Science</td>
<td>4</td>
<td>BISC 1114 Biology with Lab</td>
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<td>Physical Science</td>
<td>4</td>
<td>PHSC 1114 Physical Science with Lab or higher</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
<td>MATH 1493 Contemporary Math or higher</td>
</tr>
<tr>
<td>Business</td>
<td>3</td>
<td>BUS 2513 Business Statistics or higher</td>
</tr>
<tr>
<td>Orientation</td>
<td>1</td>
<td>ORT 1111 Orientation or</td>
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<td>AGRI 1101 Agriculture Orientation</td>
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<td>AGEC 2113 Farm and Ranch Management or</td>
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<td>AGRN 2313 Weed Science or</td>
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<td>AGEC 2143 Agriculture Marketing or higher</td>
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**TECHNICAL-OCCUPATIONAL SPECIALITY COURSES** .......................................................... 25 hours

Enology students take 15 hours from Enology and any 5 from Viticulture.

Viticulture students take 15 hours from Viticulture and any 5 from Enology.

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<th>Area</th>
<th>Min. Hours</th>
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<td>Enology</td>
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<td>ENO 1112 Enology I</td>
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<td>ENO 1121 Sensory Evaluation</td>
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<td>ENO 2112 Enology II</td>
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<td>ENO 2122 Analysis of Must and Wine</td>
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<td>ENO 2132 Winery Operations</td>
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<td>VIN 2962 Vineyard and Winery Marketing</td>
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<td>Viticulture</td>
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<td>VIN 2221 Vineyard Technology</td>
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<td>VIN 2231 Soil, Irrigation and Nutrition</td>
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<td>VIN 2103 Viticulture Practicum</td>
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<td>VIN 2962 Vineyard and Winery Marketing</td>
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**SUPPORT AND RELATED COURSES** .................................................................................. 5 hours

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<tr>
<td>Chemistry</td>
<td>5</td>
<td>CHEM 1215 Chemistry I with Lab</td>
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</table>
General Requirements: Total Hours: 15 • Minimum GPA: 2.0

Program Description: The program emphasizes the application of viticulture and winemaking theory for decision-making in actual production situations. The Viticulture and Enology Certificates prepare students for direct entry in the wine industry upon completion of their course of study at Redlands Community College. Also, students currently employed in the wine industry may upgrade and update their skills and knowledge, and those with a general interest in wines, pairing wine and food, and viticulture and grapevines may take classes for enjoyment and further knowledge. In addition, courses are available for students interested in transferring to a four-year institution.

SPECIALIZED PROGRAM REQUIREMENTS .................................................................................................................. 15 hours

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<th>Area</th>
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<td>Viticulture</td>
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SECTION III-COURSE DESCRIPTIONS

Courses and their descriptions are listed alphabetically in the following pages. The number assigned to each course reflects specific information. The first digit denotes course level. Courses numbered 0001 to 0999 are zero-designation courses which satisfy high school curricular requirements. Courses numbered 1000 to 1999 are primarily freshman-level courses. Courses numbered 2000 to 2999 are primarily sophomore-level courses. The second and third digits identify the course within the total offerings of the department. The fourth digit denotes the number of credit hours assigned to the course. Courses offered for a variable number of credit hours end with the numbers 1-4.

Accounting (ACCT)
Administrative Management & Technology (AMT)
Agriculture/Agriculture Communication (AGRI)
Agriculture Economics (AGEC)
Agronomy (AGRN)
Allied Health Science (AHS)
Animal Science (ANSI)
Anthropology (ANTH)
Art (ART)
Astronomy (ASTR)
Biological Science (BISC)
Botany (BOT)
Business (BUS)
Chemistry (CHEM)
Child Development (CD)
Communications (COM)
Computer Science (CMSC)
Criminal Justice (CJ)
Early Childhood Center Management (ECM)
Economics (ECON)
Emergency Management Response (EMR)
Emergency Medical Technology (EMT)
English (ENGL)
Enology (ENO)
Equine Science (EQSC)
Geography (GEG)
Geology (GEOL)
Hazardous Materials (HZMT)
Health, Physical Education & Recreation (HPER)
History (HIST)
Homeland Security (HLS)
Horticulture (HORT)
Humanities (HUM)
Journalism (JOUR)
Management (MGMT)
Marketing (MRKT)
Mathematics (MATH)
Microbiology (MICR)
Music (MUS)
Natural Science (NASC)
Nursing (NURS)
Orientation (ORT)
Philosophy (PHIL)
Physical Science (PHSC)
Physics (PHYS)
Political Science (POLS)
Psychology (PSY)
Religion (RELG)
Sociology (SOC)
Spanish (SPA)
Speech (SPCH)
Viticulture (VIN)
Weapons of Mass Destruction (WMD)
Wildlife Science (WILD)
Zoology (ZOOL)
ACCOUNTING

ACCT 1063 BOOKKEEPING PROCEDURES
This course is an introductory course which presents the procedural aspects of accounting, maintenance of accounting records, and the preparation of financial statements. This is a good course for people needing to know basic bookkeeping. This course does not transfer to other schools as accounting credit. Students without previous bookkeeping training may elect to take this course prior to taking ACCT 2173 Financial Accounting.

ACCT 2101 PAYROLL ACCOUNTING
Prerequisite: ACCT 2173 Financial Accounting is recommended
This course covers the basic procedures of a payroll accounting system. Content includes the study of manual systems, various laws regulating payroll data, and preparation of payroll tax returns.

ACCT 2173 FINANCIAL ACCOUNTING
Prerequisite: BUS 1053 Business Mathematics is recommended if the student has no previous accounting
This course covers the basic principles of financial accounting processes and accrual accounting concepts. Content includes journalizing, adjustments, inventories, depreciation, current and long term assets and liabilities, and owner’s equity including stocks.

ACCT 2183 MANAGERIAL ACCOUNTING
Prerequisite: ACCT 2173 Financial Accounting is recommended
This course covers basic concepts, objectives, and interpretations of accounting information needed by firm managers for planning, controlling, and decision making. Cost concepts and systems, budgeting, segment reporting methods, performance measures, use of cost data in decision making, and financial statement analysis are emphasized.

ACCT 2193 INTERNAL CONTROL AND AUDITING
Internal Control and Auditing is a study of internal control and auditing standards and processing used by accountants, managers, internal auditors and independent public accountants. Also, the course will cover auditing principles and procedures, auditing standards, ethics, working papers and audit reports.

ACCT 2213 COMPUTERIZED ACCOUNTING
Prerequisite: ACCT 1063 Bookkeeping Procedures or ACCT 2173 Financial Accounting or equivalent
Using current Windows-based accounting software, this course introduces methods and techniques for the computerized accounting cycle. Hands-on experience is gained in performing accounting tasks such as editing charts of accounts, entering beginning balances from a balance sheet, recording transactions, reconciling accounts, preparing financial statements, and maintaining accounting records.

ACCT 2223 TAX ACCOUNTING
Prerequisite: ACCT 2173 Financial Accounting is recommended
This course includes current requirements regarding federal income taxation of individuals and businesses. Content emphasizes an understanding of the preparation of tax returns by (1) determining gross income, (2) identifying and computing allowable deductions for and from adjusted gross income, and (3) computing the tax liability.

ACCT 2603 INTERMEDIATE ACCOUNTING
Prerequisite: ACCT 2173 Financial Accounting is recommended
This course covers the concepts of advanced principles of accounting. Emphasis will be the application of these concepts as they relate to areas such as the accounting process, assets, temporary investments, receivables, inventories, long-term investments, and plant and equipment.

ACCT 2703 INTERMEDIATE ACCOUNTING II
Prerequisite: ACCT 2603 Intermediate Accounting I
This course is a continuation of ACCT 2603. Emphasis will be the application of these concepts as they relate to areas such as liabilities, stockholders’ equity, correction of errors, cash flow reporting, and financial statement analysis.

ADMINISTRATIVE MANAGEMENT & TECHNOLOGY

AMT 1033 BASIC COMPUTER KEYBOARDING SKILLS
This course is designed to teach basic computer skills and the touch-system to input and retrieve data through use of computer keyboards.

AMT 1043 DOCUMENT FORMATTING
Prerequisite: AMT 1033 Basic Computer Keyboarding Skills or equivalent, or placement test.
This course is a review of keyboarding fundamentals and the development of increased accuracy and speed. Inputting business letters, tabulations, business forms, manuscripts, and legal documents will be practiced.
Emphasis is placed on the development of production ability and mailable copy.

**AMT 1313 MEDICAL PROCEDURES CODING**
Prerequisite: ZOOL 2153 Human Anatomy & Physiology I
This course is an introduction to the basic coding skills needed to accurately convert both procedure descriptors and diagnosis descriptors into codes that are utilized in the medical reimbursement process. Medicare mandates all medical facilities billing use medical coding.

**AMT 1323 MEDICAL DIAGNOSTIC CODING II**
Prerequisites: ZOOL 2153 Human Anatomy & Physiology I
This course prepares the student to competently use ICD9-CM Coding for hospitals and outpatient facilities. It also includes coding for inpatient procedures from the ICD9-CM manual.

**AMT 2001-4 OFFICE ADMINISTRATION AND TECHNOLOGY SEMINAR**
This course is a study of selected aspects of office administration and technology.

**AMT 2153 WORD PROCESSING**
Prerequisite: AMT 1033 Basic Computer Keyboarding Skills or AMT 1043 Document Formatting or equivalent
This course is designed to provide the theory and skills necessary to produce error-free business and personal documents using word processing software and a personal computer.

**AMT 2163 ADMINISTRATIVE OFFICE MANAGEMENT**
This course focuses on the computerized and non-computerized administrative tasks performed in today’s electronic office. Content includes organization concepts, traditional and electronics information resources, decision making, and communication systems.

**AMT 2222 MACHINE TRANSCRIPTION**
Prerequisite: AMT 1043 Document Formatting
This course emphasizes proofreading, application of written communication skills, and proper dictating and transcribing procedures.

**AMT 2233 MEDICAL TRANSCRIPTION**
Prerequisite: AMT 2303 Desktop Publishing and AHS 1123 Medical Terminology
This course is designed to prepare the student for entry level employment as a medical transcriptionist by providing the basic knowledge and skills required to transcribe medical dictation in mailable form with accuracy, clarity, and timeliness, while applying the principles of professional and ethical conduct. Students will use modern transcribing machines and word processing software.

**AMT 2303 DESKTOP PUBLISHING**
Prerequisite: AMT 2153 Word Processing or equivalent
This course emphasizes the composition and printing of documents with typeset quality text and graphics. The student will use a Windows-based graphical user interface methodology to manage text, typefaces, graphics, and page layout, while creating a diverse variety of documents, including memorandum forms, letterheads, resumes, certificates, flyers, invitations, brochures, newsletters, and more.

**AMT 2323 INFORMATION/RECORDS MANAGEMENT**
Prerequisite: AMT 1033 Basic Computer Keyboarding Skills or equivalent
This course emphasizes the principles and practices of effective information and records management for manual and automated records systems. The filing rules taught comply with the simplified filing standards developed by the American Records Management Association (ARMA).

**AMT 2333 ADVANCED MEDICAL CODING**
Prerequisites: AMT 1313 Basic Coding and ICD9–Level I, and AMT 1323 Basic Coding and ICD9–Level II, and ZOOL 2134 Human Anatomy
This course presents actual case studies from hospital charts, physician’s office charts, and ambulatory surgery center charts. The student selects inpatient and/or outpatient coding of procedures and diagnoses.

**AMT 2353 MEDICAL BILLING**
This course covers the various types of insurance carriers and procedures necessary for obtaining proper reimbursement from each type of carrier. Also covered is how to collect information for filing, fill in claim forms, follow-up delinquent claims, and handle items such as payments, co-payments, and write-offs.

**AMT 2423 LEGAL PROCEDURES AND DOCUMENTS**
Prerequisites: AMT 1043 Document Formatting and AMT 2153 Word Processing or equivalent
This course provides an overview of general legal information including the history of law, court system structure, litigation procedures, and legal terminology. The course includes the study of law office management and procedures including docket control, ethical concerns, law office equipment, and the computerized
preparation of legal documents and correspondence, emphasizing accurate spelling and use of legal terms.

AGRICULTURE

AGRI 1101 AGRICULTURE ORIENTATION
This course covers the development of good study skills and test taking skills, and the identification of the many careers available within the field of agriculture.

AGRI 2103 COMMUNICATION IN AGRICULTURE
This course focuses on the understanding and application of writing principles and communications theory as they are related to public issues in agriculture and the environment. Students explore graphic media in the forms of digital photography, electronic layout and design, and Web site production. Students practice developing a variety of media and prepare a public relations campaign strategy portfolio.

AGRI 2113 COMPUTERS IN AGRICULTURE
This course surveys the concepts and principles of computer technology to be used in agriculture. Hands-on experience in the use of spreadsheet, word processing, database, recordkeeping, and presentation software, as well as how to research agricultural problems on the Internet will be emphasized.

AGRI 2193 AGRICULTURE INTERNSHIP
This course is designed to enhance students’ classroom experience in agricultural related areas. The internship will provide the students opportunities to gain further insight into the multi-faceted agriculture industry.

AGRI 2303 AGRICULTURE LEADERSHIP
This capstone course is designed for agriculture students interested in leadership studies. The course will enable students to explore their roles as leaders in a changing agriculture industry. Students will learn about emerging value-added agriculture industries and will develop a Personal-Best Leadership Capstone Project. The emphasis will be on enabling students to explore their personal values system as it applies to leadership. Specific topics include: vision, values, balance, self-awareness and the leadership context. Students will also learn valuable job seeking, resume writing, and portfolio building skills.

AGRICULTURAL COMMUNICATION

AGRI 2002 AGRICULTURE SEMINAR
This course provides the student with an opportunity to visit potential employers within the Agriculture Communication field. With approval of the course instructor, the student will spend a minimum of two workdays visiting such a business or industry. The Student will interview employees and observe the employees performing production jobs and will then write a report and give an oral report highlighting their experiences.

AGRI 2103 COMMUNICATION IN AGRICULTURE
This course provides the student with an opportunity to apply agriculture terminology while writing and editing agriculture news articles. The student will interview an agriculture producer and write an article highlighting the interview and give a three minute talk explaining and highlighting the interview. The student will examine the role of media and the impact of media in agriculture and other related fields.

AGRI 2403 AGRICULTURAL EMERGENCIES AND AGROTERRORISM
An Agriculture Emergency is any type of event that, regardless of intent, jeopardizes the economic stability of any sector of the U.S. agricultural industry. This course focuses on the types of threats (natural, accidental, and intentional acts) that can cause an agricultural emergency. The course will also focus on the exposure of pre- and post-harvest livestock and crops, including feed and/or water resources, by any Chemical, Biological, Radiological, Nuclear, and/or Explosive (CBRNE) hazard and the potential outcomes of this type of event.

AGRICULTURAL ECONOMICS

AGEC 1374 INTRODUCTION TO AGRICULTURAL ECONOMICS
This course presents basic economic theory of production, marketing, and consumption of agricultural products and the role and structure of agriculture in the American economy.

AGEC 2113 FARM AND RANCH MANAGEMENT
This course covers the application of principles and practices of farm and ranch management in order to improve or enhance the profitability of the enterprise.
AGEC 2143 PRINCIPLES OF AGRICULTURE MARKETING
This course covers the types of marketing practices and alternatives to these marketing practices. Emphasis will be on the application of principles of marketing for consideration when marketing livestock and crops, and how to identify markets and market strengths and weaknesses in order to enhance the selling price of agriculture products.

AGRONOMY

AGRN 1124 INTRODUCTION TO SOIL SCIENCE
This course provides a hands-on opportunity to survey Oklahoma soils, take and interpret soil samples, and apply fertilizers according to soil analysis data. Identification of soil texture and soil structure also is covered. 3 semester credit hours lecture; 1 semester credit hour lab.

AGRN 1214 INTRODUCTION TO PLANT SCIENCES
This course covers the concepts and principles of plant growth. Emphasis will be on the identification of plants and plant parts and the classification of plants according to adaptability and use. 3 semester credit hours lecture; 1 semester credit hour lab.

AGRN 2001-4 AGRONOMY SEMINAR
This course is a study of selected topics in agronomy.

AGRN 2313 WEED SCIENCE
This course emphasizes the identification of weeds and the selection of chemicals for controlling weeds. The opportunity to demonstrate skills for controlling weeds by chemical and mechanical means is provided.

AGRN 2323 PLANT, INSECT, AND DISEASE CONTROL
This course covers topics such as the identification of insects that affect certain plants, disease symptoms, and the application of preventive measures. Selection and application of chemicals for controlling insects and plant diseases also will be covered.

AGRN 2333 RANGE AND PASTURE MANAGEMENT
This course covers the application of range and pasture management principles to maintain plant and animal growth. Emphasis will be on identification of major range and pasture plants, determination of stocking rates, and identification of means and practices for maintaining and enhancing plant growth in an economical and cost effective manner.

ALLIED HEALTH SCIENCE

AHS 1123 MEDICAL TERMINOLOGY
This course presents a study of basic medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. Programmed learning resources, individual and group presentations, seminars, and independent study are utilized to build study skills in constructing/analyzing new terms. Emphasis is placed on spelling, definition, usage and pronunciation. Abbreviations are also introduced as related terms are presented.

AHS 2000-4 TOPICS IN ALLIED HEALTH SCIENCE
This course provides selected learning opportunities in specific areas of health sciences.

AHS 2013 NUTRITION
This course examines the basic composition of nutrients and accessory factors required for adequate human nutrition. It includes the application of nutritional principles to the planning of normal and special dietary regime.

AHS 2113 PHARMACOLOGY
This course is an in-depth study of pharmacologic principles, including pharmacodynamics, pharmacokinetics, specific drug groups, and considerations in administration. Trends and issues in pharmacologic perspectives also are discussed. The course will benefit those going into health careers such as EMT, nursing, medicine, and pharmacy.

ANIMAL SCIENCE

ANSI 1124 INTRODUCTION TO ANIMAL SCIENCE
This course is an overview of the livestock industry including the definition of animal science, the description of the value of animal products in providing for the world’s food, and an explanation of the current rate of growth or decline of animal products on a worldwide basis. Emphasis will include the aspects of nutrition, genetics, reproduction, lactation, and health and animal behavior as such systems affect the profitability of the livestock industry. Discussion will center on industry trends within areas such as beef cattle, dairy cattle, poultry, sheep and goats, horse, and rabbits, including factors that will influence these industries in the future. 3 semester credit hours lecture; 1 semester credit hour lab.
ANSI 1213 Livestock Production
This course covers the application of the basic principles of livestock production. Emphasis will be on livestock breeds, characteristics and selection, balancing rations, and feeding recommendations.

ANSI 2001-4 Animal Science Seminar
This course is a study of selected topics in Animal Science.

ANSI 2112 Livestock Evaluation and Selection
This course covers the use of performance records, pedigree information, and visual appraisal in the evaluation of cattle, swine, and sheep. Students have the opportunity to judge livestock classes and give oral reasons.

ANSI 2122 Meat Animal Carcass Evaluation
This course discusses how to identify and evaluate carcass cuts and apply yield grades and grading standards to live meat animals. Students have an opportunity to select superior meat animals.

ANSI 2123 Livestock Feeding
This course covers the principles of animal nutrition with emphasis on nutrients and their functions for various classes of livestock feeding. Formulating rations for beef, swine, dairy, and poultry and using the results of the rations for improving rate of gain and controlling costs is also covered.

ANSI 2133 Advanced Livestock Evaluation and Selection
Prerequisite: ANSI 2112 Livestock Evaluation and Selection and approval of the instructor
This course provides advanced training with livestock evaluation and selection. Emphasis will be on the demonstrated ability to judge livestock classes and present oral reasons for selection. Students have the opportunity to serve on the Redlands Community College Livestock Judging Team.

ANSI 2142 Artificial Insemination
This course is a study and practice of artificial insemination of beef cattle including heat detection, semen care and storage, semen deposition, synchronization, sanitation, and sire selection.

ANSI 2143 Anatomy and Physiology of Reproduction
This course provides the opportunity to examine the reproductive systems of livestock as such systems produce new offspring. Emphasis will be on identifying the heat cycle, collecting and storing semen and semen deposition, applying the methods of synchronization to alter the heat cycle, and demonstrating proficiency with cattle artificial insemination.

ANSI 2233 Fitting and Grooming
This course provides the opportunity to demonstrate procedures for grooming livestock for sale and show. Emphasis will be on how to identify, select, and use equipment for grooming beef cattle, swine, and sheep.

ANSI 2253 Beef Cattle Feedlot Operations
This course discusses and demonstrates each phase of the feedlot operations including receiving, processing, nutrition, ration formulation, health, doctoring, projections, cost and efficiency of gain, marketing and evaluation.

ANTHROPOLOGY

ANTH 2013 Anthropology
This course is an introduction to the study of the origin and development of human culture. Particular topics include race, society, customs, and beliefs.

ART

ART 1013 Basic Art I
This course is a study of the principal elements of two-dimensional design. Those elements include color, perspective, fundamental drawing concepts and compositional elements. By using a variety of materials students will apply the information to a series of studio assignments. Students will develop their skills of observation.

ART 1023 Basic Art II
Prerequisite: ART 1013 Basic Art I
This course is a study and analysis of three-dimensional art forms. By using a variety of materials and processes, the student will complete a series of studio assignments. Students will continue to develop their drawing skills and skills of concepts and observation.

ART 1033 Arts and Crafts
This course introduces the student to many types of materials used in crafts and encourages creative experimentation while discovering the limitations and possibilities of those materials. It brings about the development of new skills and attitudes. Projects include working with paper, wood, plaster of Paris, yarn, string,
and wire.

**ART 1043 ART DESIGN AND CRAFTS**
This course offers experimentation, the development of new skills, and exploration with new materials, giving the student experiences in constructive activities such as weaving, linoleum block printing, collage, puppet making, and jewelry designing.

**ART 1073 COLOR AND DESIGN**
This course is a study of color theories and perceptions and the application of color principles to a variety of design problems. Students will solve problems in color composition and color harmonies using a variety of mediums. Students also will develop an understanding of subtractive and additive color principles.

**ART 1113 ART APPRECIATION I**
This course is a study of art from a variety of different backgrounds and cultures as both product and process. Aesthetic judgment making in evaluation of art from different times and places is stressed. The course will cover arts, artists and their cultures, from the Prehistoric man through the Early Renaissance.

**ART 1123 ART APPRECIATION II**
This course is a study of the arts, artists and their cultures from the Early Renaissance to the present.

**ART 1153 ADVERTISING LAYOUT**
*Prerequisites: ART 1013 Basic Art I*
This course will cover typography and concepts of advertising through graphic design. Students will work in a variety of medias, including the computer.

**ART 2001-3 ART SEMINAR**
This course is a study of selected topics in art.

**ART 2063 INTRODUCTION TO DIGITAL PHOTOGRAPHY**
Digital photography has changed the way photographers, both beginners and professionals, think. This class will give the student basics on what type of camera, computer, and software they may want or need to achieve the digital darkroom. They will learn how to capture an image and what to do with that image. Time will be spent on how to move the image from the camera to the computer, along with making corrections for exposure and color. One of the most convenient things about digital photography is how easy it is to share your photos with others. The class will cover printing, e-mailing, and how to prepare your photo to use on a website.

**ART 2073 GRAPHIC ARTS PHOTOGRAPHY**
This course is a study of photographs as an art form. Students will develop a better understanding of the camera and different darkroom techniques. The development of photographs and new trends are covered in this course.

**ART 2093 OIL PAINTING I**
This course will develop skills in opaque painting, stressing form and content, visual appreciation, and individual expression. Students will develop their skills with emphasis on painting methods, materials, composition and color theory.

**ART 2103 OIL PAINTING II**
*Prerequisites: ART 2093 Oil Painting I*
This course will continue to develop the student’s skills in opaque painting. The course will continue to stress form and content, visual appreciation, and individual expression.

**ART 2113 FIGURE DRAWING**
This course includes study in gesture and finished drawings of the model. Emphasis is placed on pose, composition, and a variety of media. Students will develop a basic knowledge of human anatomy and are encouraged to develop a personal style.

**ART 2123 NATIVE AMERICAN PAINTING**
This course introduces the student to the symbolism, heritage, and painting techniques involved in Native American art.

**ART 2163 INTERMEDIATE DIGITAL PHOTOGRAPHY**
This course complements ART 2063, Introduction to Digital Photography, with students progressing in the areas of more advanced computer software skills and photography techniques. Upon completion, the students will possess a greater knowledge of color management and file formats, including JPEG, TIFF, and Photoshop files.

**ART 2213 SCULPTURE**
*Prerequisites: ART 1013 Basic Art I or approval of the instructor*
Sculpture is a creative approach to sculpture techniques and form exploration using a variety of mediums.

**ART 2233 POTTERY I**
This course covers a variety of building techniques, glazing, and ceramics terminology. Students will develop basic hand building skills such as pinch, coil
and slab. Students will also learn basic glaze theory and application and develop a basic knowledge of the firing process.

**ART 2243 PAINTING**
This course offers opportunity for the development of more proficiency in self-expression in painting. Experimenting with new materials and techniques, the student may use oil paints, watercolors, and/or acrylics.

**ART 2263 POTTERY II**
*Prerequisite: ART 2233 Pottery I*
This course continues to develop the students’ skills in a variety of ceramic techniques from hand building to wheel throwing. Students will continue to develop their glazing and knowledge of ceramics and terminology. Students will develop their personal style within the medium.

**ART 2283 PERSPECTIVE: DRAWING AND PAINTING**
*Prerequisites: ART 1013 Basic Art*
Perspective is an introduction to the essentials of perspective and use of compositional principles for further instruction in drawing and painting. This course uses a variety of medias.

**ASTRONOMY**

**ASTR 1614 ASTRONOMY WITH LAB**
*Prerequisites: none*
This course is designed to examine the history and principles of astronomy. Topics related to the solar system, stars, galaxies, and universe are covered. Includes a hands-on practical experience in areas including optics, optical telescopes, modeling of our solar system, use of a telescope, and nighttime observation of constellations. This course will satisfy physical science requirements for graduation. *3 hours lecture credit, 1 hour lab credit*

**AVIATION TECHNOLOGY**

**ATEC 1113 AVIATION MAINTENANCE TECHNOLOGY - ELECTRICITY**
*Course may be waived with a valid Department of Transportation Federal Aviation Administration certificate.*
The student will calculate and measure capacitance, inductance, and electrical power. The student also will measure voltage, current, resistance, and continuity and understand the relationship of each. The student will read and interpret aircraft electrical circuit diagrams, including solid-state devices and logic functions, and inspect and service batteries. Laboratory experiences are an integral part of this course. This course will be offered though a technology center Federal Aviation Administration accredited Aviation Maintenance Technology program.

**ATEC 1519 AVIATION MAINTENANCE TECHNOLOGY - GENERAL**
*Prerequisite: ATEC 113 Aviation Maintenance Technology - Electricity.*
Course may be waived with a valid Department of Transportation Federal Aviation Administration certificate
The student will read, understand, and perform the following: aircraft drawings, weight and balance, fluid lines and fittings, materials, and processes, ground operation and servicing, cleaning and corrosion control, maintenance forms and records, maintenance publications, mechanic privileges and limitations. Laboratory experiences are an integral part of this course. This course will be offered though a technology center FAA accredited Aviation Maintenance Technology program.

**ATEC 2319 AVIATION MAINTENANCE TECHNOLOGY - AIRFRAME**
*Prerequisite: ATEC 1519 Aviation Maintenance Technology - General*
Course may be waived with a valid Department of Transportation Federal Aviation Administration certificate
The student will be able to read, understand, and perform the following: aircraft electrical systems, aircraft structures, aerodynamics, assembly and rigging, nonmetallic structural repair, aircraft fabric covering and finishes, aircraft welding, hydraulics and pneumatics, landing gear and position/warning system, arbin atmosphere control systems, instrument and communication/navigation systems, ice/rain/fire protection systems, fuel systems, airframe inspections. Laboratory is an integral part of this course. This course will be offered though a technology center FAA accredited Aviation Maintenance Technology program.

**ATEC 2519 AVIATION MAINTENANCE TECHNOLOGY - POWERPLANT**
*Prerequisite: ATEC 1519 Aviation Maintenance Technology - General*
Course may be waived with a valid Department of Transportation Federal Aviation Administration certificate
The student will be able to read, understand and perform the following: powerplant E electrical system;
powerplant wiring system; fundamentals of turbine engines; powerplant instrumentation and fire protection; turbine intake, exhaust, cool, lube, and start systems; turbine fuels and metering, turbine ignition systems; turbine engine removal, overhaul, and installation; turbine engine inspection, repair, alteration, and troubleshooting; basic propeller systems; complex propeller system; fundamentals of reciprocating engines; reciprocating induction, exhaust, cool, lube and start systems; reciprocating fuels and metering; reciprocating ignition systems; reciprocating engine removal, overhaul and installation; reciprocating engine inspection, repair, alteration, and troubleshooting. Laboratory experiences are an integral part of this course. This course will be offered through a technology center FAA accredited Aviation Maintenance Technology program.

**BIOLOGICAL SCIENCE**

**BISC 1113 BIOLOGICAL CONCEPTS**
*Prerequisites: none*
This course is designed to provide fundamental information concerning life and life processes with an introduction to the integration between structure and function. Introduction of principles at the major levels of biological organization is included. This course will satisfy the lecture-only life science requirement for graduation and is not intended for health or science majors. 3 hours lecture credit

**BISC 1114 BIOLOGY WITH LAB**
*Prerequisites: none*
This course includes fundamental information concerning life and life processes with an introduction to the integration of structure and function. Application of principles at the major levels of biological organization is included in both lecture and laboratory. 3 hours lecture credit, 1 hour lab credit

**BISC 2123 GENETICS AND MAN**
This course is a study of genetic principles associated with mechanisms of heredity and relationship of genetics to diseases, inheritance, evolution, and contemporary social problems.

**BISC 2444 ECOLGY**
This course is a study of relationships between plants and animals and their environments related to the interactions of the ecosystems. Individual and group projects are utilized to understand basic ecological principles.

**BOTANY**

**BOT 1114 BOTANY WITH LAB**
*Prerequisites: none*
This course is a study of morphology, anatomy, and physiology of plants with emphasis in phylogenetic relationships. Plant ecology, variation heredity, and economic importance are included. 3 hours lecture, 1 hour lab credit

**BUSINESS**

**BUS 1053 BUSINESS MATHEMATICS**
This course presents a brief review of the fundamental operations of arithmetic, common and decimal fractions, application of percentage with emphasis on cash and trade discounts, merchandising, simple and compound interest, depreciation, taxes, and insurance. A practical application of basic mathematics in the business environment is given.

**BUS 1061 INCOME TAX PREPARATION—I NDI V IDUAL**
This course is designed to give the student practical applications with the basics of individual income tax preparation. The most commonly used forms for filing state and federal returns will be used.

**BUS 1083 BUSINESS ENGLISH**
This is a thorough course in practical English usage and grammar. A study of sentence structure, parts of speech, forms, and type and agreement of verbs is emphasized.

**BUS 1103 INTRODUCTION TO BUSINESS**
This course is an overview of modern business and an introduction to various functions of business such as economics, management, marketing, finance, business law, and government involvement.

**BUS 1353 BUSINESS ETHICS**
This course discusses the ethics, personality traits, and development of attitudes necessary for business success.

**BUS 1363 BASIC PRINCIPLES OF REAL ESTATE**
This course covers an introduction to the real estate profession; Oklahoma real estate laws and codes; nature and classification of the property rights; surveying and land description; titles, deeds, and contracts; financing;
taxes; insurance; home-ownership; and closing information. This course prepares the student to take the State Real Estate Commission Examination for a sales associate’s license. The course fulfills Oklahoma’s Real Estate requirements.

**BUS 1373 Basic Principles of Insurance**
This course introduces the basic types of insurance, terminology, types of policies, and actuary principles of insurance.

**BUS 1383 Personal Insurance**
This course presents the principles of insurance against the contingencies of death, survival, and disability; family and business needs; life annuity; health and accident contracts; premiums, revenues, surplus, and dividends; organizations; management of insurance carriers; and insurance planning.

**BUS 1403 Advanced Real Estate**
This course is designed to meet the requirements of Oklahoma Real Estate Commission to take the Real Estate Broker’s Examination. Advanced Real Estate covers business practices and professional standards, taxes, titles, liens, property management, real estate law, closing statements, equal opportunity in housing, real estate math, and methods of appraising. This course also meets continuing education requirements required by law.

**BUS 2001-4 Business Seminar**
This course presents studies in selected topics in business.

**BUS 2093 Business Communications**
*ENGL 1113 English Composition I, and ENGL 1213 English Composition II, and SPCH 1113 Fundamentals of Speech are recommended or approval of the instructor.*
This course is a study and analysis of business and industrial communication problems, an analysis into communication theory, and instruction and practice in effective communications, including the memorandum, letters, various business reports, proposals, and professional oral presentations.

**BUS 2103 International Business Practice Firm**
*Prerequisites: Approval of the Program Coordinator or CMSC 1223 Business Applications Software*
Using an international business mode, students work as team members in a simulated business firm in a state-of-the-art facility. The students perform various business functions (i.e., purchasing, accounting, marketing, human resources) as the firm transacts business with students in other simulated companies, both in the U.S. and in other countries. Students are involved in decision making, critical thinking, and team activities.

**BUS 2163 Business Law**
This is an introductory course covering the principles of law as applied to contracts, warranties, commercial paper, agencies, types of business organizations, sales, property, bailment’s, bankruptcy, and government regulations.

**BUS 2353 International Business Ethics**
*Prerequisites: CMSC 1223 Business Applications Software and Approval of the Program Coordinator*
Using an international business mode, students work as team members in a simulated business firm in a state-of-the-art facility. The students perform various business functions (i.e., purchasing, accounting, marketing, human resources) as the firm transacts business with students in other simulated companies, both in the U.S. and in other countries. Students are involved in decision making, critical thinking, and team activities. Instructional emphasis will be given to International Business Ethics.

**BUS 2513 Business Statistics**
*Prerequisite: MATH 1513 College Algebra*
This course focuses on techniques for descriptive and inferential measures with emphasis on business applications. Topics covered include scientific decision making, data summary techniques, frequency distributions, probability, sampling, and hypothesis testing.

**CHEMISTRY**

**CHEM 1215 Chemistry I with Lab**
*Prerequisite: MATH 0123 Intermediate Algebra or required score on placement exam.*
This course covers the fundamental facts, laws, principles, theories, and concepts of chemistry necessary for further work in science related subjects. There is a strong emphasis on the essential features of atomic structure, periodic properties, chemical bonding, molecular geometries of organic and inorganic compounds, stoichiometry, the reactions and properties of solutions, gas laws, and thermochemistry.
CHEM 1315 General Chemistry I with Lab  
Prerequisite: MATH 1513 College Algebra  
This course includes the fundamental principles of this discipline such as the history and philosophy of chemistry, atomic theory and structure, types of compounds and chemical nomenclature, solutions and ionization, chemical reactions and stoichiometry, molecular bonding and structure, electron distribution and atomic spectra, nature of gases and gas laws, and thermochemistry. Laboratory activities will include topics such as basic measurements and analysis, preparation of solutions, chemical reactions and stoichiometry, molecular bonding and structure, electron distribution and atomic spectra, chromatography, photo spectroscopy, nature of gases and gas laws, and thermochemistry.  
Note: This course is designed for students with strong math and science ability who typically progress to CHEM 1415 General Chemistry II with Lab. Lecture (4 semester credits) and laboratory (1 semester credit) are combined.

CHEM 1415 General Chemistry II with Lab  
Prerequisite: CHEM 1315 General Chemistry I with Lab (or equivalent)  
A continuation of CHEM 1315 General Chemistry I with Lab to include a study of chemical kinetics, chemical equilibria, solubility products, redox reactions, electrochemistry, chemical thermodynamics, nuclear chemistry, organic chemistry, biochemistry, metallic/transitional elements, and coordination chemistry. Emphasis will be placed on chemical analysis utilizing instrumental methods. Laboratory activities will include topics such as chemical kinetics, chemical equilibria, solubility/precipitation, redox reactions, electrochemistry, chemical thermodynamics, nuclear chemistry, organic chemistry, biochemistry and coordination chemistry. Lecture (3 semester credits) and laboratory (2 semester credits) are combined.

CHEM 2115 Organic Chemistry I with Lab  
Prerequisites: CHEM 1315 Chemistry I with Lab (or equivalent)  
This course provides students with a study of carbon and its compounds (inclusive of major functional groups except those taught in Organic Chemistry II). The study will place emphasis on organic molecular structures and nomenclature, synthesis and other reactions, stereochemistry and reaction mechanisms, and an introduction to instrumental methods of analysis. Laboratory activities will include selected experiments involving the properties, preparation, analysis, and separation of organic compounds. Emphasis will be placed on tradition “wet” methods and an introduction to instrumental methods of analysis such as nuclear magnetic resonance (nmr) and infrared spectroscopy. Lecture (3 semester credits) and laboratory (2 semester credits) are combined.

CHEM 2125 Organic Chemistry II with Lab  
Prerequisite: CHEM 2115 Organic Chemistry I with Lab (or equivalent)  
Corequisite: Lecture (3 semester credits) and laboratory (2 semester credits) are combined  
This course provides students with a continued study of organic compounds (primarily biochemistry and those functional groups not covered in Organic Chemistry I). The study will place emphasis on molecular structures and nomenclature, synthesis and other reactions, stereochemistry and reaction mechanisms, and an introduction to instrumental methods of analyzing these compounds (e.g. electrophoresis, nmr, and infrared spectroscopy). Experiments and excursions will be included to provide students with “hands-on” activities to include calibration of instruments, chemical analysis, and graph interpretation.

CHILD DEVELOPMENT

CD 2001-4 Child Development Seminar  
This course includes special topic courses offered as the need arises in the areas of child development, early childhood education, and parenting education. Mini-courses or workshops also are included.

CD 2013 Human Nutrition  
This course examines the basic composition of nutrition and accessory factors required for adequate human nutrition. It includes the application of nutritional principles to the planning of normal and special dietary regime.

CD 2023 Nutrition, Health, and Safety for Children  
This course covers how to establish and maintain physically and psychologically safe and healthy learning environments for children. Emphasis is on understanding the developmental consequences of stress and trauma, protective factors and resilience, the development of mental health, and the importance of supportive relationships. Also covered is basic nutrition and health
and safety management practices for young children, including specific procedures for infants and toddlers and procedures regarding childhood illness and communicable diseases. Discussion will include ways to recognize signs of emotional distress, child abuse, and neglect in young children and the responsibility and procedures for reporting known or suspected abuse or neglect to appropriate authorities. Analysis of the USDA Dietary Guidelines and the application of those guidelines to planning meals and snacks for children are also covered. The course combines classroom instruction, hands-on activities, and observations of children in group care.

**CD 2043 Parent and Community Relations**
This course is designed to prepare early childhood professionals who have the ability to establish and maintain positive collaborative relationships with families, who can respect parents’ choices and goals for children and communicate effectively with parents about curriculum and children’s progress, and who can involve families in assessing and planning for individual children, including children with disabilities, developmental delays, or special abilities, and support parents in making decisions related to their child’s development and parenting. The content includes how professionals can become aware of educational resources available in the community. Participation in and planning of family and community activities that relate to the early childhood profession is also a part of the course. Also listed as SOC 2043.

**CD 2053 Child Growth and Development**
This course emphasizes the knowledge necessary to understand factors that influence the development of young children and the sequence and interdependency of physical, social, emotional, cognitive, and language development in children from birth to age eight. Covered also is the development and interdependency of all developmental areas to meet the needs of the group and individual while respecting each child’s unique rates of development. The course combines classroom instruction, hands-on activities, and observation of children in group care to develop competence in working with young children. Also listed as SOC 2153.

**CD 2063 Behavior and Guidance of Young Children**
This course emphasizes the knowledge necessary to provide positive child guidance strategies which help children learn to make responsible decisions regarding their own behavior and contributes to the development of self-control, self-motivation, and self-respect. This course also outlines common causes of inappropriate classroom behavior. Also covered will be the roles families play and how routines, classroom arrangement, and the activities provided have a direct effect on a child’s behavior. The course combines classroom instruction, hands-on activities, and observation of children in group care to develop competence in working with young children. Also listed as SOC 2163.

**CD 2073 Music, Movement, and Creative Arts**
This course emphasizes the acquisition of the knowledge of and ability to develop and implement meaningful, integrated learning experiences, using the central concepts and tools of inquiry in music, movement, creative arts, and perceptual motor development. Understanding and appreciating the role of the arts in the development of young children and providing children with meaningful experiences in the arts is also covered. The course combines classroom instruction, hands-on activities, and observations of children in group care to develop competence in the design and implementation of curriculum and instructional strategies related to music, movement, and creative arts.

**CD 2101—Portfolio Development in Child Development**
In this course, the student begins compiling a professional portfolio. The portfolio will be developed around the state standards for early childhood education and the standards of the National Association for Education of Young Children. The portfolio will continue to be developed throughout the degree program.

**CD 2103 Education and Services for Children with Special Needs**
This course is designed to provide an understanding of conditions which affect children’s development and learning, including risk factors, developmental variations, and developmental patterns of specific disabilities. Content covers how to create and modify environments and experiences to meet the individual needs of children with disabilities, developmental delays and special abilities. The course also includes opportunities to evaluate and demonstrate appropriate use of technology with young children, including assistive technologies. Knowledge of state and federal legislation related to providing services for children with disabilities and their families is also emphasized. The course combines classroom instruction, hands-on
activities, and observation of children with special needs.

**CD 2173 COGNITIVE SKILLS FOR CHILDREN**
This course explores theories of cognitive development and learning styles. Discussion will center on how to integrate curriculum and instructional strategies to encourage children’s critical thinking, problem solving, performance, and technological skills. The course combines classroom instruction, hands-on activities, and observations of children in group care, and it provides opportunities to apply theories of cognitive development and learning styles to the design, development, implementation, and modification of differing instructional approaches based upon children’s individual cognitive development and learning styles.

**CD 2183 LANGUAGE AND SOCIAL SKILLS FOR CHILDREN**
This course explores methods of skill development in encouraging children’s language and social development. Emphasis will be on 1) developing an understanding of emergent literacy theories and practices, 2) learning how to encourage classroom environments that foster positive dispositions toward literacy, and 3) learning the processes and strategies for fostering young children’s writing skills, reading skills, and second language acquisition skills. The course combines classroom instruction, hands-on activities, and observations of children in group care.

**CD 2203 PROGRAM PLANNING AND EVALUATION IN CHILD DEVELOPMENT**
This course provides the opportunity to plan, implement, and evaluate an integrated curriculum that focuses on children’s needs and interests and takes into account culturally valued content and children’s home experiences. Content will cover how to create, evaluate, and select developmentally appropriate materials, equipment, and environments that support children’s learning. The course will also focus on the design, implementation, and evaluation of programs that address the importance of a multicultural approach to early childhood education. The course combines classroom instruction, hands-on activities, and observations of children in group care.

**CD 2223 PROFESSIONALISM IN CHILD DEVELOPMENT**
This course prepares students to become early childhood professionals who reflect on their practices, articulate a philosophy and rational for decisions, and continually self-assess and evaluate the effects of their choices and actions on others. Content will explore the early childhood profession and its multiple historical, philosophical, and social foundations, including how these foundations influence current thought and practice. Opportunities will be provided to demonstrate a knowledge of and commitment to the profession’s code of ethical conduct and the importance of seeking out opportunities to grow professionally by locating and using appropriate professional literature, organizations, resources, and experiences to inform and improve their practice.

**CD 2233 ASSESSMENT & EVALUATION OF CHILD GROWTH & DEVELOPMENT**
This course covers the use of informal and formal assessment strategies to plan an individual curriculum, and teaching practices based on each child’s growth and development. Emphasis will be on how to observe, record, and assess young children’s development and learning, and how to engage children in self-assessment for the purpose of planning appropriate programs, environments, and interactions, and adapting for individual differences. Also covered will be how to develop and use authentic, performance-based assessments of children’s growth and development to assist in planning and to communicate with children and parents. The course combines classroom instruction, hands-on activities, and observations of children in group care.

**COMMUNICATIONS**

**COM 0101 VOCABULARY DEVELOPMENT**
This course is designed to enable students to increase their vocabulary levels while learning strategies for making growth in word knowledge a lifelong habit. Emphasis is placed on learning common morphemes—prefixes, suffixes, and root forms; applying knowledge of common morphemes in unlocking the meaning of unfamiliar words; effective use of the dictionary; and techniques for making new words a permanent addition to one’s vocabulary.

**COM 0111 READING COMPREHENSION**
This course is designed to enable students to improve their levels of reading comprehension through the use of appropriate materials designed to meet specific, individual needs. Emphasis is placed upon diagnosing individual strengths and weaknesses in reading, then providing reading experiences which encourage growth.
in needed areas of reading comprehension.

**COM 0121 SPEED READING**
This course is designed to allow students to develop skills in skimming, scanning, and accelerated reading. Emphasis is placed upon maintaining good comprehension while developing a variety of rates of reading according to their purpose and the difficulty of the materials.

**COM 0123 READING IMPROVEMENT**
This course provides opportunities for college students to improve their reading skills through a highly individualized program of study. The improvement of vocabulary, comprehension and/or rate of reading is stressed according to the student’s needs as determined through diagnostic testing. Application of acquired skills to practical situations is encouraged.

**COM 0133 BASIC COLLEGE READING**
*Prerequisite: COM 0123 Reading Improvement or placement exam score.*
This course is designed to assist in developing reading strategies which are needed for independent learning. Integrating the skills of reading, writing, listening, and thinking in daily tasks will be emphasized. Special emphasis will be placed upon effective techniques for reading textbooks.

**COM 1113 INTRODUCTION TO COMMUNICATIONS**
This course is concerned with the improvement of skills in four areas of communication—listening, speaking, reading, and writing. Interpersonal and small group communication is also stressed.

**COM 1213 AMERICAN SIGN LANGUAGE I**
This is a beginning course designed to develop the receptive and expressive manual communication skills used primarily by American-born persons who are deaf. Emphasis is on acquiring elementary conversational skills through targeted grammar, syntax, and vocabulary. The importance of nonverbal factors is incorporated through the use of gestures, pantomime, body language, and eye training. 2 semester credit hours lecture; 1 semester credit hour lab.

**COM 2113 AMERICAN SIGN LANGUAGE II**
*Prerequisite: COM 1213 American Sign Language I*
This course is a continuation of American Sign Language I, with an emphasis on acquiring greater elementary conversational skills through an increase of targeted grammar, syntax, and vocabulary. Expanded emphasis is on expressive skills to begin the development of sign language fluency. Completion of COM 1213 American Sign Language I and COM 2113 American Sign Language II should prepare pre-education majors to meet the State foreign language requirement. 2 semester credit hours lecture; 1 semester credit hour lab.

**COMPUTER SCIENCE**

**CMSC 1103 THE COMPUTER IN SOCIETY**
This course is an examination of the uses and effects of computing technology in our society. Additional topics include professional ethics, limits to computing, application of knowledge to one’s own discipline, and the future of computing.

**CMSC 1183 SYSTEMS ANALYSIS AND DESIGN I**
*Prerequisites: CMSC 1213 Computer Science and CMSC 1303 BASIC are recommended*
This course is an introduction to analysis, design, documentation, implementation, and evaluation of computer systems. Techniques of data gathering, systems flowcharting, file organization, and accessing methods are studied.

**CMSC 1213 COMPUTER SCIENCE**
This course provides knowledge of computer terminology and history. It includes ethical issues surrounding computing, the Internet, simple programming in a selected language, and programming logic using flowcharts and pseudo code.

**CMSC 1223 BUSINESS APPLICATIONS SOFTWARE**
This is an introductory course providing computer experience in the use of spreadsheet, word processing, and filing software packages. Its purpose is to provide knowledge and experience which will allow the learning of a specific package in a minimum of time. This course fulfills the Redlands Community College computer literacy requirement.

**CMSC 1233 SPREADSHEET APPLICATIONS**
Prerequisite: BUS 1053 Business Math
This course is designed to teach the basic capabilities of one of the latest spreadsheet software packages (e.g., Microsoft Excel), which automates the development of business spreadsheets.

CMSC 1243 Database Applications
This course provides experience in using one of the latest microcomputer database programs (e.g., Microsoft Access) to organize, sort, and select records in building reports from stored files.

CMSC 1251 Windows Operating Systems
This course provides knowledge and experience in using one of the latest windows-based operating systems (e.g., Microsoft Windows) to access, delete, and change data files and to find and execute programs.

CMSC 1303 Basic
In this course, the BASIC programming language is presented, with emphasis on writing, compiling, debugging, executing, and testing BASIC programs drawn from a variety of disciplines.

CMSC 1323 Visual Basic
Prerequisites: Approval of the instructor and CMSC 1213 Computer Science
This course provides the user with a foundation for using Visual BASIC 6 software. In this course the user creates an application using the VB Application Wizard and then develops a simple application from scratch. The course describes how to use common controls and simple code to create applications in Visual BASIC. This course also explains how to add many of the finishing touches and extra controls and arrays to create applications and explains how to prepare a Visual BASIC program for distribution.

CMSC 1373 Operating Systems
Prerequisites: CMSC 1213 Computer Science recommended
This course provides an in-depth study of operating systems for microcomputers, including the use of utility programs for data file handling on diskettes along with many other routines provided by microcomputer manufacturers.

CMSC 2001-4 Computer Science Seminar
This course is a study of selected topics in computer science.

CMSC 2053 Network Administration I
This course teaches networking fundamentals. TCP/IP, user accounts, and other elements of NT server administration from a packet management perspective are covered. 2 semester credit hours lecture; 1 semester credit hour lab.

CMSC 2063 Network Administration II
Prerequisite: CMSC 2053 Network Administration
This course includes network configuration management, performance and fault management, network security, and software management. Operational network experience is continued. 2 semester credit hours lecture; 1 semester credit hour lab.

CMSC 2213 Introduction to Webpage Design
Prerequisite: CMSC 1223 Business Applications Software
This course covers the skills needed to create a Web site for personal or professional use. Design considerations will include navigation techniques, audience needs, browser/platform concerns, and connection speeds. A combination of current languages and Web page authoring software will be utilized for topics such as building, formatting, enhancing, and publishing pages; maintaining a Web site; and creating and manipulating graphics.

Criminal Justice

A. Criminal Justice Core

CJ 1113 Introduction to Criminal Justice
This course is an overview of the agencies and processes involved in the administration of justice to those accused and convicted of violating the criminal law. Agency problems and due process issues related to law enforcement, prosecution, adjudication, sentencing, and confinement of offenders are discussed.

CJ 1223 Introduction to Law Enforcement
This course is a description and analysis of law enforcement history and current practice. The complex role of American police agents at all levels of government, models of police service, critical issues affecting law enforcement practice, and the progress toward professionalism are emphasized.
CJ 1243 TRAFFIC INVESTIGATION AND ENFORCEMENT
Prerequisite: CJ 2313 Criminal Law or CJ 2443 Criminal Law and Procedure
Recommendation: Completion of CJ 1223 Introduction to Law Enforcement is helpful.
This course is an in-depth description of police responsibility in traffic control, organization of traffic duties, and accident investigation and reports. The course includes a discussion of safety precaution and procedures and an introduction to procedures for reports including DUI reporting.

CJ 1253 AMERICAN CORRECTIONS SYSTEM
This course is a description and analysis of the history of correctional thought and practice, the agencies and personnel responsible for carrying out criminal sentences, and the rights and restrictions which apply to criminal offenders.

CJ 1313 PATROL PROCEDURES
Prerequisite: CJ 2313 Criminal Law or CJ 2443 Criminal Law and Procedure
This course is an in-depth description of police responsibility in patrol functions and concepts, routine patrol duties, citizen contacts, and response to police calls. The course includes an in-depth discussion of misdemeanor and felony traffic stops, patrol techniques, mechanics of arrest, officer survival, and other patrol occurrences.

CJ 1403 FUNDAMENTALS OF INFORMATION SECURITY
Prerequisite: CJ 1233 understanding computers and computer applications or instructor approval
This class will introduce such topics as security concepts and mechanism; security technologies; authentication mechanisms; intrusion detection and prevention; information systems assurance; anonymity and privacy issues for information systems.

CJ 2001-4 CRIMINAL JUSTICE SEMINAR
This course presents studies in selected topics of criminal justice.

CJ 2043 REPORT WRITING
Prerequisite: ENGL 1113 English comp I; CJ 2343 criminal investigation
This course focuses on the skills necessary for job-related and academic writing skills in law enforcement and criminal justice. Emphasis is placed upon writing narrative reports for incidents and fatality and nonfatality traffic accidents, search warrant affidavits and returns, memos, letters, short reports, proposals, resumes, and research papers. Writing assignments will be based upon work-related scenarios relevant to law enforcement.

CJ 2101-4 PRACTICUM IN CRIMINAL JUSTICE
This course provides an opportunity to gain practical experience in a criminal justice setting.

CJ 2113: INTRODUCTION TO CRIMINAL LAW
Prerequisite: Approval of Instructor Required
This course is a study of the philosophical and historical developments of criminal law, the definition and elements of major offenses in the criminal codes of all level of government, and the penalties, which attach to those convicted of committing crimes.

CJ 2201-4 SPECIFIC PROBLEMS IN CRIMINAL JUSTICE
This course presents selected studies of current social problems in criminal justice.

CJ 2213 INTRO TO CRIMINAL LAW AND PROCEDURE
Prerequisite: Approval of Instructor Required
This course is a study of the rules and case laws which define the legal methods for conducting arrests and searches, using force, conducting trials, introducing evidence, assigning legal counsel, and supervising offenders in the community and institutions.

CJ 2313 CRIMINAL LAW
This course is a study of the nature of criminal law, its philosophical and historical development, the definition and elements of major offenses in the criminal codes of all levels of government, and the penalties which attach to those convicted of committing crimes. Oklahoma statutes are used as illustrations.

CJ 2443 CRIMINAL LAW AND PROCEDURE
This course is a study of the rules and case laws which define the legal methods for conducting arrests and searches, using force, conducting trials, introducing evidence, assigning legal counsel, and supervising offenders in the community and institutions.

B. CORRECTIONAL SERVICES

CJ 2353 THE ADMINISTRATION OF CORRECTIONAL INSTITUTIONS
This course is a study of the organization, management, and leadership of institutions which confine offenders.
The course includes discussion of short-term detention facilities, jails, prisons, personnel issues, staff-inmate relations, and the future directions of institutional design and administration.

**CJ 2363 ENVIRONMENTAL SECURITY PROCEDURES**
This course is designed to assist in gaining an in-depth knowledge of Environmental Security Procedures in a prison setting. Environmental Security Procedures is essential for the health, safety, and welfare of the inmate, the correctional officer, and the general public. This course includes the five types of emergencies that can occur in a correctional facility, the reasons for the “games” inmates play, and how to effectively transport an inmate outside the security of the facility.

**CJ 2453 PROBATION, PAROLE, AND COMMUNITY TREATMENT**
This course is an examination of the most common and the new methods of supervising offenders in the community. The structure, management, and personnel of probation, parole, and other correctional services, as well as innovative approaches to working with offenders such as house arrest, electronic monitoring and intensive supervision, are discussed.

**C. FORENSIC COMPUTER SCIENCE**

**CJ 1323 OVERVIEW OF COMPUTER CRIMES**
As computers become more and more a part of our everyday lives, it becomes critical that criminal justice investigators use and understand the current technology. In the future the computer will become the instrument of choice for committing crimes. This course will identify and discuss the nature of cyber crime, its detection, preparation of the successful cyber crime investigation, and the proper preparation for trial.

**CJ 2223 FILE SYSTEM FORENSICS**
This course describes the basic concepts and theory of a volume and file system. Students will learn to analyze FAT, NTFS, Ext2, Ext3, UFS1, and UFS2 file systems using key concepts, data structures, and specific techniques. This course includes hands-on application of the concepts learned.

**CJ 2233 CRIMINAL PROCEDURES FOR COMPUTER CRIME**
Corequisite: CJ 2243 Network Technologies or Approval of the Instructor.
Prerequisite: CJ 1233 Understanding Computers and CJ 1323 Overview of Computer/Cyber Crimes.
Criminal procedures are being continually revised to keep pace with technology evolution. This class will examine how criminal procedures are constantly evolving to facilitate the investigation of computer crime. Since computer ethics has become an issue in criminal justice, this class will examine the question of ethics and how it relates to the public.

**CJ 2243 NETWORK TECHNOLOGIES**
Corequisite: CJ 2233 Criminal Procedures for Computer Crime or Approval of the Instructor
Prerequisite: CJ 1233 Understanding Computers and CJ 1323 Overview of Computer/Cyber Crimes.
As computers become more and more a part of our everyday lives, it becomes critical that law enforcement use and understand the current technology. The networking of computers, which enhances the ability of computers at different locations to share information, has become standard in many enterprises, both legal and illegal. This course will identify and discuss the nature of computer networks, how the network is constructed, how the forensic investigator is to approach a networked computer crime scene, and how to forensically process networked computer operations.

**CJ 2253 FORENSIC COMPUTER SCIENCE**
Corequisite: CJ 2263 Internet Crime Investigations or Approval of the Instructor
The technical examination of electronic data is called Computer Forensics. This course will teach how to examine a computer for electronic data, utilizing the manual utilities and applications that are currently available in the industry. This course will also utilize the automating forensic utilities that are currently available to criminal justice and corporate security specialists.

**CJ 2263 INTERNET CRIME INVESTIGATIONS**
Corequisite: CJ 2253 Forensic Computer Science or Approval of the Instructor
Prerequisite: CJ 2233 Criminal Procedures for Computer Crime and CJ 2243 Network Technologies
With the advent of the Internet and global communication becoming a reality, global criminal activity is also now possible. We know from experience that criminals in one country can access locations in other countries to commit their crimes. In criminal justice, understanding how the Internet works and how to combat the current and future trends in crime on or
over the Internet is of paramount importance. This class will address this issue. In addition, this class will do an in-depth examination of current crime trends on the Internet such as IP spoofing, e-mail, child pornography, sniffer programs, and website security breaches.

**CJ 2293 ADVANCED COMPUTER FORENSIC METHODOLOGY**  
*Prerequisite: Completion of all required Computer Forensic Science courses*  
This course is the capstone course for the Computer Forensic Science Degree and certificate program. Students will demonstrate competency by completing an in-depth forensic analysis of digital replicating a real life case scenario and write a detailed report of their analysis and findings.

**D. LAW ENFORCEMENT**

**CJ 2333 POLICE ORGANIZATION AND MANAGEMENT**  
This course is a description of the principles of organization, leadership, and management as applied to law enforcement agencies and personnel at all levels of government. The role of agency executives and major issues affecting personnel administration are discussed.

**CJ 2343 CRIMINAL INVESTIGATION**  
*Prerequisites: CJ 2313 Criminal Law or CJ 2443 Criminal Law and Procedures.*  
This course is an examination of investigative fundamentals and principles which apply to crime scene processing, case building and preparation, and case presentation in court. Emphasis is given to case investigation models, developing leads, theory building, conceptual approaches to the investigative mandate, and information processing and reporting.

**CJ 2433 COMMUNITY AND CULTURAL DIVERSITY**  
This course is an examination of the conflict, both historical and current, which prevents criminal justice agencies and various communities from forming lasting partnerships directed toward the control of crime and peaceful relations. New approaches to criminal justice, interpersonal relations, and the role of the media in dramatizing racial and ethical differences are discussed.

**CJ 2451 CUSTODY AND CONTROL**  
*Corequisite: CJ 2461 Defensive Driving and CJ 2471 Firearms*  
*Prerequisite: Approval of the Instructor*  
This course instructs students in the necessary attitudes, knowledge, and psychomotor skills in the area of weaponless (openhand) subject control, intermediate range weapons use, and self-defense techniques. The course also instructs students in how to negate or minimize the use of excessive and unnecessary deadly force to meet legal review. It covers the need and use of verbal commands in the law enforcement environment.

**CJ 2461 DEFENSIVE DRIVING**  
*Corequisite: CJ 2451 Custody and Control and CJ 2471 Firearms*  
*Prerequisite: Approval of the Instructor*  
This course is an overview of the legal aspects of law enforcement driving. Instruction in the skills of desirable law enforcement driving behavior is covered both in theory and application.

**CJ 2471 FIREARMS**  
*Corequisite: CJ 2451 Custody and Control and CJ 2461 Defensive Driving*  
*Prerequisite: Approval of the Instructor*  
This course provides knowledge and understanding of the procedures for safety and legal handling of firearms. It also emphasizes the mechanical functions and basic maintenance procedures of service revolvers. Instruction in the basics of marksmanship, with emphasis placed on the mental process involved in various shoot/don’t shoot situations, is covered both in theory and application.

**EARLY CHILDHOOD CENTER MANAGEMENT**

**ECM 2113 EARLY CHILDHOOD CENTER POLICIES AND PROCEDURES**  
This course is designed to examine the types of information that should be included in a policies and procedures manual, and the significance of that information on the daily operations of an early childhood center. Analysis of policy and procedures manuals and development of a comprehensive policies and procedures manual are included.

**ECM 2123 EARLY CHILDHOOD CENTER FINANCIAL PLANNING & MANAGEMENT**  
This course is designed to provide practical experience in designing and managing a financial plan and budget, as well as guidelines and tools for complying with or amending a budget. Content covered will include examination of budget categories, analysis of the expenditure ad income sides of the budget, exploration
of basic budgetary terms and tools, examination of the benefits of a financial plan and analysis of personal financial planning and management skills and habits and how these skills and habits could impact the manner in which the professional would manage an early childhood center. Also included will be the development of an early childhood center business plan.

ECM 2133 EARLY CHILDHOOD CENTER PERSONNEL DEVELOPMENT AND MANAGEMENT
This course is designed to study the principles, procedures and organizational techniques currently utilized by business in the development and management of personnel. It includes a study of current developments within the general field of personnel development and management, including employment practices, employee assessment and evaluation, orientation, training programs, related federal and state legislation, regulations and orders, workforce diversity, employee and employer/management relations, and compensation management.

ECM 2143 EARLY CHILDHOOD CENTER PROGRAM DEVELOPMENT AND MANAGEMENT
This course is designed to examine the basic components of program development and management. Emphasis will be on the analysis of each component of program development and management and its relationship to the overall operations of an early childhood center education program, and the impact of state and federal guidelines/standards on program development and management and the application of those guidelines/standards to program development and management. It includes the development of a program and program management plan, including program evaluation strategies for an early childhood center.

ECM 2243 EARLY CHILDHOOD CENTER FACILITY MANAGEMENT
This course examines the elements that define an early childhood facility and the relationship of those elements to program quality, including programming factors, environmental factors, transportation, maintenance, and health and safety factors and how these factors impact facility management. Also covered will be an analysis of the significance of governmental laws, rules, regulations, and executive orders and how they impact facilities management. This course includes the development of a comprehensive facilities management plan.

ECM 2313 EARLY CHILDHOOD CENTER MARKETING AND PUBLIC RELATIONS
This course discusses the roles of marketing and public relations in developing and maintaining a successful early childhood center. Emphasis will be on how to analyze and develop tools and techniques that can be used to assess community needs, examine personal skills and characteristics necessary to successfully market the early childhood center, and develop a comprehensive early childhood center marketing and public relations plan.

ECM 2413 MANAGING PERSONNEL PERFORMANCE STANDARDS
This course covers the overall significance of performance standards in the operations of the early childhood education program and early childhood center. It includes how to analyze and develop performance standards, develop performance standards for staff training, develop a plan for implementing team building activities, determine how performance standards affect employment policies, and develop a comprehensive program performance standards plan and comprehensive performance standards evaluation plan.

ECM 2423 MANAGING DIVERSITY IN EARLY CHILDHOOD EDUCATION
This course is designed to examine issues related to cultural diversity and how those issues impact the management of an early childhood center. Opportunities are included for self-exploration and self-assessment of attitudes and feelings regarding diverse cultures and the development of a comprehensive plan for addressing cultural diversity in the early childhood center. Emphasis will be placed on educational program, staffing, marketing and public relations, and professional development of self and employees.

ECM 2432 LEADERSHIP IN EARLY CHILDHOOD EDUCATION
This course is designed to examine the concept, as well as the role of leadership, as applied to early childhood programs and management. It will include how to analyze characteristics of effective leadership and differentiate between leadership and management, conduct self-assessment as it relates to personal leadership characteristics, develop a personal plan for enhancing personal leadership skills, and explore opportunities for leadership in early childhood education at the local, state, and national levels. A course requirement is to participation in a minimum of two early childhood education leadership activities—one
activity at the local level and one activity at the state or national level.

ECM 2443 EARLY CHILDHOOD CENTER ADMINISTRATIVE RESPONSIBILITIES—THE DIRECTOR
This course is designed to examine the administrative responsibilities of the early childhood center director. Content covered will analyze state regulations, examine characteristics of a successful director, explore management techniques, including time management, and tools available to improve personal management skills. The student will develop a comprehensive action plan to become a more effective administrator. This course is the capstone course in the degree program.

ECONOMICS

ECON 1353 PERSONAL FINANCE
This course is a study of economic and personal goals including personal budgeting, credit buying, borrowing money, banking facilities, the nature of investments, life insurance, casualty insurance, medical insurance, home ownership, stocks and bonds, and retirement plans.

ECON 2001-4 SEMINAR IN ECONOMICS
This course is a study of selected topics in economics.

ECON 2113 ECONOMIC HISTORY OF THE UNITED STATES
This course is an analysis of the process of American economic development.

ECON 2193 PRINCIPLES OF MACROECONOMICS
This is a fundamental course in economic principles as they relate to supply, demand, and the market system. Emphasis is given to national economic issues such as national income, economic growth and development, economic fluctuations, fiscal policy, and monetary policy. Global economics subjects include balance of payments and the foreign exchange market.

ECON 2203 PRINCIPLES OF MICROECONOMICS
This is a fundamental course in economic principles as they relate to supply, demand, and the market system. Concepts covering consumer choice, distribution of income, and resource markets are presented. Emphasis is given to production, cost, and pricing relationships of the basic market structures. Global economic subjects include trade policies and trade agreements.

EMERGENCY MANAGEMENT RESPONSE

EMR 1012 BASIC INCIDENT COMMAND SYSTEM
This course is divided into 2 sections, the first part will focus on the management of actions in emergency response situations including National Incident Management System (NIMS) IC-700, ICS-100, and ICS 200 This course is designed to enable participants to demonstrate the basic knowledge of the Incident Command System (ICS) and provides the foundation for higher level ICS training. Topics include the history, features and principles, organizational structure of the Incident Command System, and the relationship between ICS and the NIMS. It also explains the relationship between ICS and the NIMS. The second section will focus on ICS for Single Resources and Initial Action Incidents. This section of the course will provide information and training on resources need for personnel who assume a supervisory position within the ICS. This course is designed to enable personnel to operate efficiently during an incident or event within the ICS. This course focuses on the management of single resources. The target audience includes persons involved with emergency planning and response or recovery efforts. Students who complete the course will meet the requirements for IS – 700, ICS – 100, and ICS -200.

EMR 1113 EMERGENCY RESPONSE TO TERRORISM
Prerequisite: EMR 1012 Basic Incident Command System or equivalent
This course will address the skills specific associated with an emergency terrorist event that are needed to efficiently and effectively plan, prepare, respond, mitigate, and recover from. The course includes knowledge of response tasks, toxicology, mass casualty triage, decontamination, and other operational issues.

EMR 2113 ADVANCED INCIDENT COMMAND
Prerequisite: EMR 1012 Basic Incident Command System or equivalent
The course is divided into two sections: The first half focuses on Incident Command System for Expanding Incidents course provides training on and resources for personnel who require advanced application of the ICS. The portion of the course expands upon information covered in Basic Incident Command System Course. The second half focuses on Command and General Staff-Complex. The target audience for this course is
individuals who are in or may be in command or management position in an emergency event. **Students who complete the course will meet the requirements for IS-800, IS-900, ICS-300, and ICS-400.**

**EMR 2133 ADVANCED EMERGENCY MANAGEMENT AND PLANNING**
**Prerequisites:** EMR 2113 Advanced Incident Command System, EMR 1113 Emergency Response to Terrorism, and EMR 1213 Emergency Response and Management or equivalent

Effective emergency planning is the key to surviving natural and man-made disasters. Risk analysis and the formulation of a comprehensive plan, followed by a vigorous and continuing testing program, are essential elements to surviving an emergency. Topics covered include threat assessment, risk analysis, formulating the plan, staffing the emergency operations center (EOC), coordinating with supporting agencies and the importance of continuing liaison, managing an actual incident, and conducting an effective follow-up analysis. Various actual case studies are discussed.

**EMR 2153 RISK MANAGEMENT**
**Prerequisite:** EMR 2113 Advanced Incident Command System

This course examines media management during local/national disasters and/or events. It will also address the media and all levels of governmental response. The focus will be on actual operations and on-site issues.

**EMERGENCY MEDICAL TECHNOLOGY**

**EMT 1113 FIRST RESPONDER**
This course is designed to instruct a student to the level of First Responder, who serves as a vital link in the chain of the health care team. This curriculum includes skills necessary for the individual to provide emergency medical care with a limited amount of equipment. This course consists of 48 hours of classroom and laboratory instruction.

**EMT 1117 BASIC EMT**
This course is designed to provide the basic techniques of emergency care, preparing the student for certification by examination as an emergency medical technician basic. The course covers all emergency medical techniques currently considered to be within the responsibilities of the EMT basic in the state of Oklahoma. The course is also the primary pre-requisite for the U.S. Department of Transportation EMT paramedic curriculum. It consists of a minimum of 124 hours of classroom and lab instruction and 24 clinical hours in a supervised setting. **Students taking this course are encouraged to take a course in human anatomy and must be at least 18 years of age in order to sit for licensure examination.**

**EMT 1129 INTERMEDIATE EMT**
This course is designed for those who have successfully completed Basic EMT and anatomy courses. It is the second level of the U.S. Department of Transportation EMT paramedic curriculum. The course includes a minimum of 136 hours of classroom and lab instruction and 144 supervised clinical hours in a variety of emergency medical service settings. Content covers advanced airway management and oxygen therapy, endotracheal intubation, intravenous therapy, shock disorders, soft tissue and musculoskeletal injuries as well as other areas of trauma care. **Students taking this course are encouraged to have already taken a course in human anatomy and must already possess an EMT Basic license in order to sit for licensure examination.**

**EMT 2000 EMT SEMINAR**
This course is designed to provide selected learning opportunities in specific areas of emergency medical technology, generally continuing education.

**EMT 2111, EMT 2002, EMT 2003**
**EMT SEMINAR-INDEPENDENT STUDY**
These courses are designed for advanced students who desire additional study in EMS topics of interest. Topics range from practicum to research activities.

**EMT 2101 EMT BASIC REFRESHER**
The primary goal of the course is to review and update the knowledge and skills required to function as an EMT Basic, preparing the student for re-licensure. The course consists of a minimum of 24 hours of classroom and lab instruction. **This course is intended as a refresher for students who already possess an EMT Basic license.**

**EMT 2121 EMT INTERMEDIATE REFRESHER**
The primary goal of the course is to review and update the knowledge and skills required to function as an EMT Intermediate, preparing the student for re-licensure. The course consists of a minimum of 40 hours of classroom and lab instruction. **This course is intended as a refresher for students who already possess an EMT Intermediate license.**
EMT 2131 Paramedic Refresher
The primary goal of the course is to review and update the knowledge and skills required to function as an EMT Paramedic, preparing the student for re-licensure. The course consists of a minimum of 48 hours of classroom and lab instruction. This course is intended as a refresher for students who already possess a paramedic license.

EMT 2211 Advanced Cardiovascular Life Support
The Advanced Cardiovascular Life Support Course (ACLS) is designed to enhance previous knowledge and experience of health care providers who work (or are preparing for work) in settings where emergency cardiac care may be indicated. Content includes current information updates on cardiac emergencies, following a nationally recognized format. Many Emergency Services and Hospitals require that licensed personnel be certified bi-annually in ACLS so the course provides for this need as well. It consists of 16 hours of lecture-discussion and laboratory experience. Student must possess current BLS certification in order to sit for certificate examination.

EMT 2313 Tactical Medicine
Prerequisites: EMT 1117 EMT Basic and program coordinator approval
This course is a 5 day (54 hr) class that incorporates the skills need for prehospital care providers to operate in special tactical environments. The course will cover the following topics: Roles of the Tactical Medic, Team Health / Extended Operations, Tactical Combat Casualty Care (2006 revised), Immediate Reaction Team Concepts / Officer Rescue, Sports Medicine for the Tactical Athlete, Emergency Response to Terrorism, Medical Threat Assessment / Medical Intelligence, Tactical / SWAT Operations, Tactical Movement, Tactical Patient Assessment, Remote Assessment Methodology, Special Medical Gear, Hostage Survival, Advanced Tactical Airway, Light Discipline, Sleep / Wake Management, High Speed Tourniquet Application, Bleeding Control / Basic Suturing, Clandestine Drug Labs and Booby Traps, Medicine Across the Barricade / Telemedicine, Tactical Waterborne Activities, Ballistics/Forensics, WMD / CBRNE / CS Gas. This course has restricted enrollment and requires the permission of the program coordinator.

ENGL 0101 Basic Grammar for Writing
This course is recommended for students who want or need to improve the clarity, correctness or forcefulness of their written sentences. The instructional approach is informal and supportive, with limited use of complicated terminology.

ENGL 0111 Basic Sentence Structure
This course is recommended for students who want or need to practice sentence-combining techniques to improve the writing of paragraphs and longer reports or compositions.

ENGL 0121 Basic Spelling
This course is recommended for students who need to improve their spelling proficiency. It offers an innovative, systematic approach to the spelling of words.

ENGL 0123 Fundamentals of English
This course is offered to give students an opportunity to review and apply the basic rules of grammar, sentence structure, punctuation, and organization.

ENGL 0133 Basic College Writing
Prerequisite: ENGL 0123 Fundamentals of English, or required score on placement exam
This course reviews the basic elements of sentences, paragraphs, and essays before entering ENGL 1113 English Composition I. The course will offer opportunities to learn to use different sentence types, to write well-developed paragraphs, and to organize effective essays for college writing. Emphasis will be placed on methods of organization and development.

ENGL 1101 Library and Internet Research Skills
Using a combination of class discussion and focused small-group activities, students will gain experience and confidence in their ability to research a topic and find appropriate resources. This course will focus not only on library research, but also Internet research, since that is where the majority of people get their information today.

ENGL 1113 English Composition I
This course focuses on the skills necessary to compose written communication that is logical, appropriate and effective. Emphasis is on careful organization and the development of the multi-paragraph expository essay. Students in this course will write a research paper using
ENGL 1213 ENGLISH COMPOSITION II  
Prerequisite: ENGL 1113 English Composition I  
This course offers practice in writing essays based on literary readings.

ENGL 1213 ENGLISH COMPOSITION II—HONORS  
Prerequisite: ENGL 1113 English Composition  
This course requires writing themes based on criticism of literary works. A research paper is required. Enrollment is limited to students who have demonstrated superior writing skills.

ENGL 2001-3 ENGLISH SEMINAR  
This course is a study of selected topics in English.

ENGL 2033 TECHNICAL WRITING AND PROFESSIONAL REPORT WRITING  
Prerequisite: ENGL 1113 English Composition I  
This course offers practice in organizing and structuring ideas in a professional style for such business correspondence as letters, memorandums, job applications, resumes, and proposals. Emphasis will be placed on writing technical and professional reports which are clear, concise, and accurate. Experience in designing and incorporating figures, graphs, tables, and charts in reports will be included.

ENGL 2063 CREATIVE WRITING I  
Prerequisite: ENGL 1113 English Composition I or approval of the instructor.  
This course is designed to develop imaginative thinking and writing skills in order to produce stories, poems, and plays.

ENGL 2073 CREATIVE WRITING II  
Prerequisites: ENGL 1113 English Composition I and ENGL 1213 English Composition II or approval of the instructor.  
This course emphasizes the form and structure of various kinds of literary writings. Students will have the opportunity to produce original poems, short stories, and essays.

ENGL 2413 INTRODUCTION TO LITERATURE  
Prerequisite: ENGL 1113 English Composition I  
This course reviews the major types of literature: short stories, poetry, drama, essays, and biographies. Representative selections are read, discussed, and analyzed with consideration for themes, mood, style, tone, language, and other related characteristics. It introduces literary criticism and a study of authors in relation to their writings.

ENGL 2423 INTRODUCTION TO FICTION  
Prerequisite: ENGL 1113 English Composition I  
This course develops a basis for the interpretation, evaluation, and appreciation of fiction, particularly the novel and short story. Representative sections are read, discussed, and analyzed, with consideration for themes, mood, characterization, style, tone, language, and other related characteristics. It introduces literary criticism.

ENGL 2433 AMERICAN LITERATURE I  
Prerequisite: ENGL 1113 English Composition I  
This course is designed to develop and enhance skills in literary interpretation. Reading selections include short stories, poetry, drama, biographies, and essays.

ENGL 2443 AMERICAN LITERATURE II  
Prerequisite: ENGL 1113 English Composition I  
This course is designed to increase the ability to discern literary techniques in the various genres and to use this knowledge as a basis for interpreting literature. Reading selections include examples from each of the five genres.

ENGL 2453 INTRODUCTION TO POETRY  
Prerequisite: ENGL 1113 English Composition I  
This course is a study of poetry as literary art with emphasis on understanding, recognizing, and appreciating poetic techniques and forms, and the rhetoric of verse. Representative works are read, discussed, and analyzed with emphasis on theme, structure, and language.

ENOLOGY

ENO 1112 ENOLOGY I  
The principles of enology (winemaking) will be examined, including history, grape growing, chemistry, wine microorganisms, fermentation, winemaking operations, cooperage, physiology and sociology of wine, as well as health and legal issues. Students will crush, press, rack, filter, fine, bottle, cork, label and capsule a finished tank of wine in a college winery operation. Students must be 21 years of age or older.

ENO 1121 SENSORY EVALUATION  
A sensory course designed for individuals to learn organoleptic testing techniques, characteristics and styles
of wine varieties, wine sensory evaluation methods including statistical analysis of trials, philosophy of wine styles, and the common evaluation methods used in sensory testing. **Students must be 21 years of age or older.** This class has a materials fee above the regular enrollment fee. We encourage you to spit, since the actual consumption of these ethanolic beverages tends to cloud one’s ability to assess quality.

**ENO 2101-2104 ENOLOGY PRACTICUM**
The Winery Practicum is designed to give students the opportunity to work in an established vineyard and interact with a qualified mentor.

**ENO 2112 ENOLOGY II**
*Prerequisites: ENO 1112 Enology I*
The principles of enology (winemaking) will be examined, including history, grape growing, chemistry, wine microorganisms, fermentation, winemaking operations, cooperage, physiology and sociology of wine, as well as health and legal issues. Students will crush, press, rack, filter, fine, bottle, cork, label and capsule a finished tank of wine in a college winery operation. **Students must be 21 years of age or older.**

**ENO 2122 ANALYSIS OF MUST AND WINE**
*Prerequisites: ENO 1112 Enology I and ENO 2112 Enology II*
The course will cover the principles of grape juice and wine analysis and the reasons for use of each analysis. Analyses of a practical and useful nature are chosen for the laboratory exercises demonstrating various chemical, physical and biochemical methods. Students will participate in workshops and hands-on experiences at the Redlands college winery.

**ENO 2132 WINERY OPERATIONS**
*Prerequisites: ENO 1112 Enology I and ENO 2112 Enology II*
This course covers process technologies and process systems that are used in modern commercial wineries. The course will include lectures, demonstrations and four day workshop. Overview of winemaking systems including winemaking operations and equipment, barrel aging and barrel management, membrane separation processes, specialized contacting systems, cleaning and sanitation systems, process control systems, refrigeration systems, electrical systems, waste water systems, and work place safety.

**ENO 2141 WINE AND SOCIETY**
This course covers the historical and cultural significance of wine and its place in society.

**EQUINE SCIENCE**

**EQSC 1113 INTRODUCTION TO EQUINE SCIENCE**
This course is an overview of and orientation to the horse industry. The course includes a study of the origin, characteristics, and development of breed; an introduction to genetics and breeding; basic principles of design, construction and maintenance of facilities; and basic concepts of marketing and advertising.

**EQSC 1134 BASIC EQUINE CARE AND TRAINING**
This course allows the student to halter, break, gentle, and train a colt. The student will be responsible for feeding, grooming, care, and training of the colt. 1 semester credit hour lecture; 3 semester credit hours lab.

**EQSC 1213 HORSEMANSHIP**
This course presents the fundamentals of basic riding skills—Western—and the care and adjustment of equipment. 1 semester credit hour lecture; 2 semester credit hours lab. Course is designed to survey the various aspects of evaluating horses.

**EQSC 2122 EQUINE JUDGING**
This course covers topics relating to the evaluation and selection of horses and the presentation of written and oral reasons. 1 semester credit hour lecture; 2 semester credit hours lab.

**EQSC 2132 ADVANCED EQUINE JUDGING**
*Prerequisites: EQSC 2112 Equine Evaluation*
This course emphasizes evaluation of equine conformation and performance based on current industry standards set by the horse industry.

**EQSC 2134 ADVANCED EQUINE CARE AND TRAINING**
*Prerequisite: EQSC 1134 Basic Equine Care and Training and EQSC 1213 Horsemanship or Approval of the instructor.*
This course requires specialized training of a horse, and will include the breaking and training of a 2-year-old colt. 1 semester credit hour lecture; 3 semester credit hours lab.

**EQSC 2163 SPECIALIZED EQUINE TRAINING I**
*Prerequisites: EQSC 1134 Basic Equine Care and Training and EQSC 2134 Advanced Equine Care and Training and/or approval of the instructor.*
This course requires training a 2-year-old horse in a
specific area of training, such as reining, western pleasure, or western riding.

**EQSC 2193 EQUINE INDUSTRY INTERNSHIP**
This course is designed to enhance students’ classroom experience in equine related areas. The internship will provide opportunities to gain further insight of the multi-faceted equine industry.

**EQSC 2223 EQUINE NUTRITION AND HEALTH**
This course covers the basics of equine nutrition and techniques and principles of feeding. The students will apply guidelines for feeding horses on use and balance sample rations. Students will be able to identify diseases and parasites affecting horses and apply preventative measures to prevent diseases and control parasites. Students will develop and maintain health records.

**EQSC 2243 EQUINE BREEDING AND MANAGEMENT**
*Prerequisite: EQSC 2223 or approval of the instructor.*
This course provides the student with the opportunity to apply the knowledge and skills necessary for working on a horse breeding farm. The student will develop skills for managing the stallion, mare and foal. The student will study the anatomy and physiology of reproduction, examine semen for quality and apply genetics and other breeding information when selecting a sire for breeding purposes.

**EQSC 2401-4 SPECIAL PROBLEMS IN EQUINE SCIENCE**
*Prerequisite: approval of the instructor.*
This course provides a detailed study of an assigned problem/activity by a student wishing additional information on a special topic or training concept.

**EQSC 2423 EQUINE ANATOMY AND PHYSIOLOGY**
This course is a study of the skeletal, muscle, respiratory, circulatory, and digestive systems in relation to the overall structure and function of the horse.

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**FIREFIGHTER**

**FF 1113 FIREFIGHTER ORIENTATION**
This course will introduce the student to the firefighting profession. Topics include fire service careers, roles of fire safety personnel, early traditions and history, fire prevention, firefighter safety, public fire and life safety education, fire investigation, fire related scientific terminology, building construction, fire detection, fire suppression, the role of public and private support organizations, fire and emergency services, fire department organization and management, and the basic use of computers within the department.

**FF 1117 FIREFIGHTER I**
This course prepares students with the knowledge and skills required to perform as an entry level Firefighter based on standards set forth by the National Fire Protection Association (NFPA) 1001, 2002. This course will include Firefighter I Academy and focus on the management of actions in emergency response situations including Hazardous Materials Awareness.

**FF 1122 FIREFIGHTER INCIDENT MANAGEMENT**
This course will focus on the management of actions in emergency response situations including National Incident Management System (NIMS) ICS-100 and includes a supervised internship with an operational fire department. This course is designed to enable participants to demonstrate the basic knowledge of the Incident Command System (ICS) and provides the foundation for higher level ICS training. Topics include the history, features and principles, organizational structure of the Incident Command System, and the relationship between ICS and the National Incident Management System (NIMS). The target audience includes persons involved with emergency planning and response or recovery efforts.

**FF 2013 FIREFIGHTER STRATEGY, TACTICS, AND SAFETY**
This course will focus on the strategy and tactics for initial company response, firefighter safety and survival techniques, flashover survival training, and weapons of mass destruction awareness. The course is designed to meet the needs of firefighters responsible for managing the operations of one or more companies during structural firefighting operations, to develop the management skills needed by company officers to accomplish assigned tactics at structure fires, to teach fire fighters about the basic knowledge and skills to handle an emergency situation on the fire ground, and to learn skills needed to keep firefighters from becoming lost, disoriented, or trapped during emergency situations.

**FF 2118 FIREFIGHTER II**
*Prerequisite: FF 1xx7 Firefighter I*
This course prepares students with the knowledge and skills required to perform as an advanced level Firefighter based on standards set forth by the National Fire Protection Association (NFPA) 1001, 2002. This course will include Firefighter II Academy and focus on

**FF 2211 ADVANCED VEHICLE EXTRICATION**  
*Prerequisite: FF 2xx7 Firefighter II (Basic Vehicle Extrication)*  
This course will build on the basic vehicle extrication techniques learned in Firefighter II. This class is designed to teach fire fighters about advanced techniques to be employed during vehicle extrication emergency situations. Students will be challenged through scenario based evolutions including scene safety, command, size-up, stabilization, action plans, disentanglement, patient packaging, and rescue.

**GEODESICS**

**GEG 2243 HUMAN GEOGRAPHY**  
This is a basic course covering the human race’s relationship to its environment. The course explores areas such as cultural comparisons of resource utilization, differences in levels of economic development, and environmental influences on cultural development.

**GEG 2253 WORLD REGIONAL GEOGRAPHY**  
This is a basic course covering the relationship of the human to the environment. This course explores areas such as cultural comparisons of resource utilization, differences in levels of economic development, and physical and environmental influences on cultural development.

**GEOLOGY**

**GEOL 1053 EARTH SCIENCE**  
*Prerequisites: none*  
This is a survey course of geology, which includes the study of geologic forces in the earth such as volcanism, earthquakes, plate tectonics, mountain building, gravitation, weathering, erosion, sedimentation, groundwater, glaciation, ocean events, and fossilization. The course presents the composition of the earth’s interior with concentration on the crust and techniques of reading the geologic history from Precambrian eras to present through the story told by the three basic types of rocks, how they form, and where they are found in relation to one another. This course will satisfy the lecture-only physical science requirement for graduation and is not intended for health or science majors. 3 hours lecture credit

**HZMT 1013 CHEMISTRY OF HAZARDOUS MATERIALS**  
This course presents the chemical basis for classification of, and emergency response to incidents involving, hazardous material. It is designed for the non-chemist emergency responder, transporters and others who need to understand the implications of single product and multiple product spills, releases and incidents. This course does not require any prior chemistry knowledge.  It is recommended that before enrolling in this class the student has completed WMD 1113 Introduction to Weapons of Mass Destruction or equivalent training.

**HZMT 1113 HAZARDOUS MATERIALS I**  
*Prerequisites: HZMT 1013 Chemistry of Hazardous Materials and WMD 1113 Introduction to Weapons of Mass Destruction*  
Study of chemical characteristics and reactions related to storage, transportation, and the handling of hazardous materials, i.e. flammable liquids, combustible solids, oxidizing and corrosive materials, and radioactive compounds. Emphasis is on emergency situations and response.

**HZMT 2113 HAZARDOUS MATERIALS II**  
*Prerequisite: HZMT 1113 Hazardous Materials I*  
This course is a continuation of HZMT 1113 Hazardous Materials I. This course focuses on hazardous materials with special emphasis on the transportation of various hazardous materials and the emergencies which may
HEALTH, PHYSICAL EDUCATION & RECREATION

HPER 1011 ELEMENTARY GOLF
This course covers the fundamentals of golf. Specific techniques of golf are presented and applied experientially.

HPER 1031 ELEMENTARY SWIMMING
This course covers the basic skills, strokes, and forms of water safety. Individuals experience the application of water safety theory by practicing basic water safety skills.

HPER 1061 BEGINNING VOLLEYBALL
This course teaches the novice fundamental skills, court dimensions, rotation and scoring of recreational volleyball.

HPER 1081 BEGINNING WATER AEROBICS
This course is an introduction to basic conditioning exercises, adapted to water and taking advantage of the special benefits of buoyancy and water resistance, to speed physical fitness.

HPER 1131 INTERMEDIATE SWIMMING
This course reviews the fundamentals and teaches advanced swimming skills, techniques, and water safety.

HPER 1141 INTERMEDIATE GOLF
This course continues with the fundamentals and teaches advanced play in golf.

HPER 1161 INTERMEDIATE VOLLEYBALL
This course introduces the act of power volleyball. It is geared more to competitive volleyball at the collegiate level.

HPER 1181 INTERMEDIATE WATER AEROBICS
This course continues with the basic conditioning exercises mastered in beginning water aerobics. Using continuous movement to music, simple dance routines are executed to build cardiovascular endurance.

HPER 1191 SPORTS PARTICIPATION
This course offers competition in basketball, baseball, and volleyball. It may be repeated for a maximum of four credit hours in each sport. Each enrollment will specify the sport in which the student is engaged.

HPER 1201 SUPER CIRCUIT
Super Circuit is a self-paced course designed for each student to learn to use weight machines in an aerobic manner. Implementation of the use of weight machines with aerobic stations presents an opportunity to gain optimal level of physical fitness.

HPER 1243 INTRODUCTION TO ATHLETIC TRAINING
This course is an introduction to methods of prevention and immediate care of athletic injuries. It covers basic information concerning the health and well-being of athletes.

HPER 1252 ORIENTATION TO EXERCISE SCIENCE
This course is an orientation to various aspects of exercise science, techniques and use of facilities for fitness and health. Numerous exercises and venues, from high and low impact, will be introduced such as cardiovascular and strength training and equipment, core muscle training, yoga, Pilates, aquatic activities and apparatus, kick boxing routines, aerobic dance, step aerobics, and chair exercises.

HPER 1302 INTRODUCTION TO PHYSICAL EDUCATION
This course is designed as an introduction to the profession of physical education. It includes a brief history, the philosophy, and modern trends of physical education, teacher qualifications, vocational opportunities, expected competencies, and skills testing.

HPER 1312 FOUNDATIONS OF RECREATION
This course is designed to develop knowledge, understanding, and skills in the basic outdoor recreation activities in the community setting.

HPER 1322 PERSONAL HEALTH
This course is a study of the principles from natural, biological, social, and behavioral sciences as they may be applied to healthful living. It emphasizes knowledge, attitudes, and practices related to self-direction of healthy behavior.

HPER 1451 RODEO ACTIVITY
This course is designed to develop and improve skills in the basic competitive rodeo events and develop an understanding of the western heritage.
HPER 1512 Theory of Basketball
This course is designed to teach the fundamental skills, techniques, and concepts of the game for the athlete or prospective coach.

HPER 1532 Theory of Baseball
This course is designed to teach the fundamental skills, techniques, and concepts of the game for the athlete or prospective coach.

HPER 1553 Lifetime Fitness and Management
This course is designed to assist in developing and enhancing health and physical fitness. Fitness activity and wellness will be studied in order to assist in the development of regular exercise, stress management, and proper nutrition. This course meets the institutional physical education requirement.

HPER 1601 Athletic/Personal Training Practicum I
This practicum provides student athletic and personal trainers basic knowledge dealing with ranges of motion, planes of the body, and terminology needed to effectively work in a training room setting.

HPER 2001-4 Physical Education Seminar
This course is a study of special subjects or problems in physical education.

HPER 2103 Exercise Testing and Prescription
This course covers knowledge of anatomy and physiology as it relates to exercise testing and prescription of exercise. Students will learn to administer and interpret screening methodologies as a prerequisite to exercise testing and prescription of exercise. Students will learn to interpret the results of testing and prescribe the appropriate exercise. The course will also exercise protocols for special needs individuals.

HPER 2131 Advanced Water Aerobics
This course provides an accelerated program in aerobic conditioning designed to incorporate dance and exercise routines to strengthen cardiovascular endurance.

HPER 2302 Coaching Athletics
This is a course of study in the coaching of the major sports to emphasize this phase of physical education. Methods of coaching are studied through lectures, demonstrations, practice, and assigned readings.

HPER 2312 First Aid
This is a knowledge-based course designed to instruct a student in the emergency care of injuries and sudden illness. Students will be introduced to basic human anatomy and physiology as related to injuries in order to understand how body systems react to injury. Various first aid treatment options will be presented to help students understand why certain treatments are better than others. Prospective coaches, athletic trainers, and personal trainers will be presented with knowledge that will help prepare them for periodic skills-based certification coursework.

HPER 2322 Sports Officiation
This course covers the interpretation of rules and how to officiate at athletic games and meets.

HPER 2343 Care and Prevention of Athletic Injuries
Prerequisites: ZOOL 2134 Anatomy with Lab, HPER 1243 Introduction to Athletic Training
This course will give a general knowledge toward injury prevention and immediate care for the most common sports injuries. Basic foundations are also provided in more specific areas of rehabilitation.

HPER 2512 Advanced Theory of Basketball
This course is designed to review and refine the basic skills and techniques of the game and to develop team concepts and philosophies of offense and defense.

HPER 2532 Advanced Theory of Baseball
This course is designed to review and further develop the basic skills and techniques of the sport and to develop the philosophies and sciences of hitting, pitching, position play and game situations.

HPER 2593 Protective Techniques In Athletic Training
This course is designed for the student pursuing a career as an Athletic Trainer, for a coach whose school does not have access to athletic training services, or for an individual pursuing a career in sport medicine. This course will allow students to develop a basic understanding of the principles of supportive taping and wrapping and custom pad development for the prevention of athletic injuries.

HPER 2601 Athletic Training Practicum II
Prerequisite: HPER 1243 Introduction to Athletic Injuries or HPER 1601 Athletic/Personal Training Practicum I

This practicum provides student athletic trainers an understanding of the proper management of serious injuries. Students will get hands-on application of experience on the proper use of ambulatory aid, care for cervical spine injuries, and proper neurological assessment of concussions.

HPER 2611 PERSONAL TRAINING PRACTICUM II
Prerequisite: HPER 2103 Exercise Testing and Prescription and HPER 1601 Athletic/Personal Training Practicum I

This practicum provides student personal trainers with a clinical setting on the RCC campus. Students will get hands-on application experience in health appraisals and assessments, development and implementation of cardiovascular and strength training programs, reassessment tests including cardio-respiratory fitness, body composition, muscular fitness, flexibility, and lower back function.

HEALTH TECHNOLOGY

HTEC 2116 SURGICAL TECHNOLOGY THEORY I
Course may be waved with a valid Liaison Council on Certification for Surgical Technologists certificate.

In an applied setting, this course is designed to develop an understanding of theory in surgical technology. It will cover the necessary basic knowledge for assuming the responsibilities of a surgical technologist. Areas emphasized will be medical terminology, medical-legal aspects and care of surgical patients, supplies and equipment. This course will be offered through a technology center national accredited health program.

HTEC 2124 SURGICAL TECHNOLOGY CLINICAL I
Prerequisite: HTEC 2116 Surgical Technology Theory I
Course may be waved with a valid Liaison Council on Certification for Surgical Technologists certificate.

In an applied setting, this course is designed to develop clinical skills in surgical technology. Areas emphasized will be medical terminology, medical-legal aspects and care of surgical patients, supplies and equipment. This course will be offered through a technology center national accredited health program.

HTEC 2136 SURGICAL TECHNOLOGY THEORY II
Prerequisite: HTEC 2116 Surgical Technology Theory I
Course may be waved with a valid Liaison Council on Certification for Surgical Technologists certificate.

In an applied setting, this course is designed to develop
understanding of theory in surgical technology. This course will cover the necessary knowledge and techniques basic to effective performance as a scrubbed team member in the operating room. An intense review of the surgical specialties will focus on the normal structure and function of body parts, with discussion of common disorders requiring surgical intervention. Preparation and use of equipment and supplies for surgical procedures will be reviewed. The responsibilities of the surgical technologist in the care and safety of the patient during the general and specialty fields of surgery will be elaborated. This course will be offered through a technology center national accredited health program.

HTEC 2144 SURGICAL TECHNOLOGY CLINICAL II
Prerequisite: HTEC 2136 Surgical Technology Theory II
Course may be waved with a valid Liaison Council on Certification for Surgical Technologists certificate. In an applied setting, this course is designed to develop clinical skills in surgical technologists beyond HTEC 2124. The student will experience clinical assignments in the operating room. Knowledge and performance as a scrubbed member of general surgery and specialty surgery teams will be stressed. Developing and improving skills in assisting the surgeon and in the organization of work by learning to use economy in time, motion and materials will be expected. Solo scrub experiences will be assigned, enabling the student to focus on anticipating the needs of the surgeon in order to expedite the procedure, thus minimizing the patient’s exposure to trauma, and displaying manual and mental dexterity in the use of surgical instruments and knowledge of the step-by-step procedure for specific surgical interventions. This course will be offered through a technology center national accredited health program.

HTEC 2156 SURGICAL TECHNOLOGY THEORY III
Prerequisite: HTEC 2136 Surgical Technology Theory II. Course may be waved with a valid Liaison Council on Certification for Surgical Technologists certificate. In an applied setting, this course is designed to develop and advanced understanding of theory in surgical technology. Knowledge and techniques basic to effective performance as a team member in the operating room will be stressed. The responsibilities of the surgical technologist in the care and safety of the patient during and after surgical intervention and in the general and specialty fields of surgery will be reviewed. Adaptation, utilizing change-agent theory and conflict-resolution approaches will be discussed. This course will be offered through a technology center national accredited health program.

HTEC 2164 SURGICAL TECHNOLOGY CLINICAL III
Prerequisite: HTEC 2156 Surgical Technology Theory III
Course may be waved with a valid Liaison Council on Certification for Surgical Technologists certificate. In an applied setting, this course is designed to develop advanced clinical skills in operating rooms of affiliating agencies. Selected learning experiences in general and specialty surgery will be included. Focus will also be directed toward anticipatory socialization and adaption to role transformation from student to graduate. This course will be offered through a technology center national accredited health program.

HISTORY

HIST 1483 UNITED STATES HISTORY TO 1877
This course is a general survey of U.S. history from its pre-colonial origins to the end of the Reconstruction Era, with emphasis upon national political, diplomatic, economic, constitutional, social, and intellectual developments.

HIST 1493 UNITED STATES HISTORY, 1877 TO PRESENT
This course is a general survey of U.S. history from the end of the Reconstruction Era to the present day with emphasis upon national political, diplomatic, economic, constitutional, social, and intellectual developments.

HIST 2001-3 HISTORY SEMINAR
Prerequisite: Approval of the instructor. This course presents studies in selected topics in history which develop capabilities in historical analysis and creative expression.

HIST 2123 WESTERN CIVILIZATION, ORIGINS TO 1500
This is a survey course which examines political events and the development of institutions and ideas within the context of social and economic movements in early modern Western Civilization. Topics include the Renaissance, the Reformation, the development of nation-state, the Enlightenment, and the French Revolution.

HIST 2133 WESTERN CIVILIZATION, 1500 TO
PRESENT
This is an introductory survey of Europe within a world perspective during the nineteenth and twentieth centuries. The course examines the major political, economic, social, and cultural trends in the major countries, European foreign affairs, and overseas expansion.

HOMELAND SECURITY

HLS 1013 INTRODUCTION TO TERRORISM
The course identifies the fundamental and underlying reasons why America is a target for terrorists as it compares and contrasts various international terrorist groups and their respective ideologies. A review is made of the origins of modern terrorism, religion and terror, typologies of terrorism, and distinctions between terrorism and serious crimes. Additionally, the course will address the various definitions of terrorism including the influences of religion, ethnic, and geographical distinctions. From an historical perspective students will come to appreciate the ideological basis for terrorism, begin to understand the differences between the various “active” terrorist organizations, and acquire a basic framework for discussing WMD (Weapons of Mass Destruction) issues. Finally, this course will also lay the foundation for the student to undertake further intermediate terrorism-related curriculum.

HLS 1113 HOMELAND SECURITY
The concepts of homeland defense and the need to better fortify the US homeland and its interests from asymmetric threats were recognized, but action to remedy vulnerabilities was limited in comparison to defensive measures taken during the Cold War. Within this context, this course will explore the boundaries of this national security mission by examining the threats, the actors, and the organizational structures and resources required to defend the American homeland.

HLS 1213 INTERMEDIATE TERRORISM
Prerequisite: HLS 1013 Introduction to Terrorism or instructor permission
This course is a detailed exploration of the motivations of the international terrorist as well as the mechanisms of international terrorism. It will analyze the missions of key agencies involved with the “War on Terrorism,” evaluate their contributions, and determine ways they may work more synergistically. The course will examine the ideological basis and characteristics of international terrorist organizations. This will include differentiating and comparing the recruiting and financial support mechanisms of various international terrorist organizations, and evaluating their relative strengths and weaknesses.

HLS 1233 DOMESTIC TERRORISM
Prerequisite: HLS 1013 Introduction to Terrorism or instructor permission
This course traces the history, emergence, and growth of paramilitary and terrorist groups within the United States. Students will assess various groups' intentions, capabilities, and activities within contexts of and ramifications on political, national security, and legal paradigms.

HLS 1253 INTERNATIONAL TERRORISM
Prerequisite: HLS 1013 Introduction to Terrorism or instructor permission
This course of instruction will explore and understand what the International terrorist is trying to accomplish and why. We will explore the ideological basis and characteristics of three (3) selected international terrorist organizations, differentiate and compare the recruiting and financial support mechanisms of various international terrorist organizations, and provide information to the student relative to active international terrorist organizations.

HLS 2113 PSYCHOLOGY OF TERRORISM
Prerequisite: HLS 1213 Intermediate Terrorism or instructor permission
This course attempts to answer several questions. First, why would an individual engage in terrorist activities? Second, can potential terrorists be identified before they act? And third, can societies prevent individuals from becoming terrorists? To answer these questions, materials will be presented about the psychological, biographic, cultural/demographic and sociological facets of terrorism as they represent past and present terrorist threats.

HLS 2133 COUNTER-TERRORISM
Prerequisite: HLS 1213 Intermediate Terrorism or instructor permission
This course examines terrorism as a social and political instrument from past to present. Topics include, Latin American influences on terrorism, origins of Middle Eastern terrorism, Osama Bin Laden & Al Qaeda, U.S. domestic terrorism issues, counter terrorism, homeland security, national & domestic intelligence resources against terrorism, WMD, and future issues on terrorism.
HLS 2153 TERRORISM TACTICS  
Prerequisite: HLS 1213 Intermediate Terrorism or instructor permission  
This course will provide an expanded review of the agencies tasked with the “War on Terrorism”, provide more information on the major Intelligence disciplines trying to develop Indications and Warning of future terrorist events; profile three different terrorist groups: [Radical religious (i.e., fundamentalism), revolutionary based groups, and political groups] and examine the following: methods of recruiting, ideological development, basic organization, characteristics and actual operations of at least 3 major international terrorist organizations.

HLS 2173 ISLAM AND MILITANT EXTREMISTS  
Prerequisite: HLS 1213 Intermediate Terrorism or instructor permission  
This course will enable students to put the contemporary Islamist challenge to the West into historical, political, and cultural context and to understand Islam and the Islamic world more broadly. The central theme of the course will be to address the question of whether the relationship of theology to polity within Islamic societies is unique to that religious tradition.

HORTICULTURE

HORT 1303 INTRODUCTION TO HORTICULTURE  
This course provides the opportunity to examine career option in the field of horticulture. In addition, it introduces the basic principles of plant growth related to culture and utilization of fruits, vegetables, and ornamentals, as well as skills used in landscaping, nursery, and greenhouse propagation. This course is offered through a Technology Center.

HORT 1353 FERTILIZER AND SOILS  
This course covers the analysis of soils and how to determine fertilizer requirements for crops to be grown. Hands-on experience will be gained in taking soil samples, interpreting soil analysis data, and applying fertilizers according to crops to be grown. This course is offered through a Technology Center.

HORT 2001-4 HORTICULTURE SEMINAR  
This course is a study of selected topics in horticulture. This course is offered through a Technology Center.

HORT 2373 PLANT PROPAGATION  
This course covers the selection of plants for propagation and propagation skills. Hands-on experience will be gained in starting plants by seed, budding, grafting, and cuttings. This course is offered through a Technology Center.

HORT 2413 GREENHOUSE OPERATIONS  
This course provides the opportunity to work in a greenhouse and to develop skills for a home gardener or for work in a commercial greenhouse. Hands-on experience in the operation of a green house and starting marketing bedding plants and vegetables will be gained. This course is offered through a Technology Center.

HORT 2433 FLORICULTURE  
This course covers the principles of floral design as they apply to form, style, and composition. Hands-on experience will be gained in creating floral arrangements, wreaths, sprays, baskets, bouquets, corsages, wedding flower arrangements, and special occasion arrangements for the home, church, hotel, and public buildings. This course is offered through a Technology Center.

HUMANITIES

HUM 2001-3 HUMANITIES SEMINAR  
This course is a study of selected topics in humanities.

HUM 2113 GENERAL HUMANITIES I  
Prerequisite: ENGL 1113 English Composition I  
This course is a study of significant ideas, discoveries, and creative achievements of humanity in the areas of art, music, literature, science, philosophy, religion, industry, technology, ethics, government, and law from pre-history through the Renaissance.

HUM 2173: BELIEFS AND BELIEVERS  
This course takes a comprehensive look at the nature and function of the religions and secular beliefs that comprise the major world views, including Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, Islam, and other belief systems that are outside the scope of mainstream religious institutions.

HUM 2223 GENERAL HUMANITIES II  
Prerequisite: ENGL 1113 English Composition I  
This course is a study of significant ideas, discoveries, and creative achievements of humanity in the areas of art, music, literature, science, philosophy, religion, industry, technology, ethics, government, and law from
the Renaissance through the present.

**HUM 2233 HUMANITIES THROUGH THE ARTS**
This course provides a survey of the humanities through art, music, literature, and other artistic forms which illustrate the relationships among the arts and the major concerns of humankind. This course covers Classical Greece to the present.

**HUM 2613 LEADERSHIP DEVELOPMENT STUDIES**
This course provides an understanding of leadership styles and philosophies as well as the development of personal leadership skills. It offers an introduction to varying leadership tasks such as time management, communication skills, crisis intervention, and team building.

**INFORMATION TECHNOLOGY**

**ITEC 1016 PC HARDWARE AND SOFTWARE**
This course gives students in-depth exposure to computer hardware and operating systems. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands-on activities and labs students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. An introduction to networking is included. This course helps students prepare for CompTIA’s A+ certification.

**ITEC 1113 FUNDAMENTALS OF UNIX/LINUX**
Prerequisite: ITEC 1016 PC Hardware and Software.
This course teaches students how to use UNIX and LINUX operating systems and operating environment commands using hands-on exercises. This course also introduces the student to the Common Desktop Environment (CDE - graphical interface between different environments). The class is intended for new users of UNIX and LINUX.

**ITEC 1213 COLOR AND DESIGN THEORY**
This course offers an exploration into basic design principles consisting of line, form and color as a visual communication. It also includes visual problem solving and organization, dealing with letter forms (typography), shapes, value and color theory.

**ITEC 1216 FUNDAMENTALS OF DIGITAL MEDIA TECHNOLOGIES**

This course focuses on principles of business ethics, employability skills, business communication, and marketing theory. It also helps develop fundamental computer concepts, such as personal computer procurement and utilization and advanced Internet concepts.

**ITEC 1313 WEB PROGRAMMING**
Prerequisites: ITEC 1213 Color and Design Theory and ITEC 1216 Fundamentals of Digital Media Technologies
This course provides an introduction into HTML and programming concepts. Topics also include introduction, syntax and coding, creating style sheets (CSS), FTP, and basic programming skills.

**ITEC 1353 NETWORK OPERATING SYSTEMS**
Prerequisite: ITEC 1016 PC Hardware and Software.
This course teaches the fundamentals of data networking needed to prepare for the CompTIA Network+ exam. It includes basic networking vocabulary and concepts, including the OSI reference model and protocols that run at the various layers. Various devices required to network computers are covered, including hubs, switches, bridges, routers, transceivers, cabling, multiplexers, CSU/DSUs, Wireless Access Points, and Gateways. Practical application includes, planning, installing, configuring, and troubleshooting a local area network (LAN).

**ITEC 1413 PRINCIPLES OF INFORMATION ASSURANCE**
Prerequisite: ITEC 1016 PC Hardware and Software; ITEC 1353 Network Operating Systems
This course introduces the student to basic security principles and explores the current threats and vulnerabilities of the cyber landscape plus other topics relating to the information assurance field. Topics covered include Foundations of Network Security, Data Confidentiality, Integrity, and Availability, Securing Windows and Linux Computers, Routing and Access Control Lists, Security on the Internet and the World Wide Web, Physical Security Measures, Attack Techniques, Threats and Countermeasures, and Legal and Ethical Issues in Cyber Security.

**ITEC 1513 PROGRAMMING FUNDAMENTALS**
Prerequisite: High School Algebra
This course will focus on the core concepts of computer programming from problem identification through solution and implementation. The students will learn the fundamental creation and uses of flowcharts, pseudo code, IO Statements for various programs and use Visual
Basic.Net to demonstrate mastery of loops, subroutines, and other programming concepts, graphical-user-interface and menu creation, multimedia and file processing, and object-oriented techniques.

**ITEC 1543 FUNDAMENTALS OF VIDEO PRODUCTION**
Prerequisites: ITEC 1213 Color and Design Theory and ITEC 1216 Fundamentals of Digital Media Technologies
This course is designed to give students a complete introduction to the world of video production. Topics for this course include basic camcorder operations, video time, video language, video sound, video communication, program development and production planning, lighting, audio, directing, and editing principles.

**ITEC 1613 COMPUTER PROGRAMMING I**
Prerequisite: ITEC 1513 Programming Fundamentals
This course will focus on problem solving and algorithm development in computer programming. The students will use the C++ programming language to learn the uses of structural language constructs including iteration and control statements, functions and subroutines, memory allocation and usage concepts, addresses, increment/decrement operations, pointers, pointer-based strings, arrays, recursion, stacks, queues, lists, and trees. To demonstrate mastery of the concepts, students will design, code, debug, and document business application and other sample programs.

**ITEC 2113 WINDOWS WORKSTATION OS**
Prerequisite: ITEC 1016 PC Hardware and Software
The skills and knowledge addressed in this course are designed to prepare the individual to install, configure and maintain a Microsoft Windows Workstation operating system. The objectives covered are derived from and designed to prepare the student for the Installing, Configuring and Administering Microsoft Windows Workstation Microsoft Certified Professional exam.

**ITEC 2123 WINDOWS SERVER OS**
Prerequisite: ITEC 1016 PC Hardware and Software
The skills and knowledge addressed in this course are designed to prepare the individual to install, configure and maintain the most recent Microsoft Windows network system. The objectives covered are derived from and designed to prepare the student for the Managing and Maintaining a Windows Server Environment exam.

**ITEC 2223 WEB DESIGN I**
Prerequisites: ITEC 1213 Color and Design Theory and ITEC 1216 Fundamentals of Digital Media Technologies
This course is a hands-on introduction to website design tools to accelerate visual web production. This course includes information of site control, image maps, linking, tables, layout, frames, rollovers, CSS and forms to develop visually appealing web sites.

**ITEC 2233 WEB DESIGN II**
Prerequisites: ITEC 2223 Web Design I
This course is a hands-on approach to making visually appealing web sites. Topics for this course include working with objects, importing, selecting, and modifying graphics, modifying pixels and manipulating images, working with interactivity, creating animation, creating sophisticated web page navigation, and focuses on enhancing productivity of web sites.

**ITEC 2243 DIGITAL WEB ANIMATION DESIGN**
Prerequisites: ITEC 1213 Color and Design Theory and ITEC 1216 Fundamentals of Digital Media Technologies
This course is a hands-on course that allows for exploration into the world of digital animation. The topics covered in this course include drawing objects, working with symbols and interactivity, creating animations, creating special effects, preparing and publishing animated movies, importing and modifying graphics, building complex animations, using ActionScript, adding sound and video to the animations, and working with behaviors and components of animation.

**ITEC 2263 DIGITAL WEB PRESENTATIONS**
Prerequisites: ITEC 1313 Web Programming; ITEC 2233 Web Design II; and ITEC 2243 Digital Animation Design
This course allows the student to integrate the concepts learned with the philosophies developed to create a web presentation for a real-world setting. Students will focus on business principles such as finances and communication, color and design theory and programming.

**ITEC 2283 WEB MARKETING AND DIGITAL ADVERTISING**
Prerequisites: ITEC 2263 Digital Web Presentations
This course provides concepts of marketing in relation to electronic commerce. This course will cover methods of personalization, developing new products in web context, how to build traffic, and cost effectiveness.
ITEC 2313 CISCO NET ACADEMY
INTERNETWORKING I
This course is a series of four courses of the CISCO Networking Academy. The four courses are designed to prepare the student to design, construct, configure and maintain internetworking system using CISCO routers and switches. Areas specifically covered are: layered communications, the OSI Model; encapsulation; layer 1, layer 2; internetworking devices, IP addressing; oral exam 1; lab exam #1, ARP and RARP, topology, structured cabling, electronics and network management.

ITEC 2323 CISCO NET ACADEMY
INTERNETWORKING II
Prerequisite: ITEC 2313 CISCO Net Academy Internetworking I
This course is the second in a series of four courses of the CISCO Networking Academy. The four courses are designed to prepare the student to design, construct, configure and maintain internetworking systems using CISCO routers and switches. Areas specifically covered are: review of semester 1, WAN’s and routers, router command line interface (CLI), router startup and setup, router configuration 1, IOS images, router configuration 2, TCP/IP, IP addressing - routing, routing protocols, network troubleshooting, review for finals, online, oral and skills-based final exams.

ITEC 2333 CISCO NET ACADEMY
INTERNETWORKING III
Prerequisite: ITEC 2323 Net Academy Internetworking II
This course is third in a series of four courses of the CISCO Networking Academy. The four courses are designed to prepare the student to design, construct, configure and maintain internetworking systems using CISCO routers and switches. Areas specifically covered are: review, introduce threaded case study (TCS), LAN switching, VLAN’s, LAN design, IGRP, access lists and IPX.

ITEC 2343 CISCO NET ACADEMY
INTERNETWORKING IV
Prerequisite: ITEC 2333 Net Academy Internetworking III
This course is third in a series of four courses of the CISCO Networking Academy. The four courses are designed to prepare the student to design, construct, configure and maintain internetworking systems using CISCO routers and switches. Areas specifically covered in this semester are: review of semester 3, TCS, WAN’s, frame relay, network management, review for finals, complete semester 4 TCS part of electronic portfolio, review for CCNA certification exam (Net+ exam optional).

ITEC 2363 WINDOWS NETWORK INFRASTRUCTURE
Prerequisite: ITEC 2423 Security+
This course explores advanced concepts of implementing, managing, maintaining, and troubleshooting Windows-based servers and networking. Topics covered include DHCP server leases, relay agents, databases, clients, reservations, and scopes; DNS server zone options, forwarding, record settings; Network Security, including security baseline and audit security settings by using security templates; Routing and remote Access, including authentication, policies, packet filters, routing interfaces, devices, ports, routing protocols, and clients; and Monitoring network traffic using Network Monitor and System Monitor.

ITEC 2413 NETWORK SECURITY
Prerequisite: ITEC 1413 Principles of Information Assurance

ITEC 2423 SECURITY+
Prerequisite: ITEC 2123 Windows Server OS
This course provides a broad overview of network and computer security. The course is designed to map to CompTIA’s Security+ Certification exam. Topics covered include basic security principles, establishing security baselines, and the most recent attack and defense techniques and technologies.

ITEC 2433 ENTERPRISE SECURITY MANAGEMENT
Prerequisite: ITEC 2413 Network Security
This course explores advanced principles of risk management, security architectures, incident handling, disaster recovery, and secure systems administration. Topics covered include Risk Analysis, Security Policies, Business Continuity Planning, Common Criteria, Certification and Accreditation, Biometrics, and Strong Authentication.
ITEC 2453 DIGITAL FORENSICS  
**Prerequisite:** ITEC 2433 Enterprise Security Management  
This course explores the field of computer forensics, which is much like that of pathological forensics. The student will learn procedures on tracking, analyzing, and patching security holes after an incident has occurred. This will include seizure of equipment, analysis of confiscated materials, and follow up procedures relating to the incident. Topics covered include Computer Forensics investigation techniques, Investigation techniques for Windows and DOS Systems, Investigation techniques for Macintosh and Linux Systems, Computer Forensics Tools, Digital Evidence Controls, Processing Crime and Incident Scenes, Data Acquisition, Computer Forensic Analysis, E-mail Investigations, Recovering Image Files, Writing Investigation Reports, and Becoming an Expert Witness.

ITEC 2473 SECURE ELECTRONIC COMMERCE  
**Prerequisite:** ITEC 2433 Enterprise Security Management  
This course explores advanced concepts of the history, present, and future of electronic commerce in the world. The student will also learn about the threats, vulnerabilities, and policies when dealing with commerce in the electronic age. Topics covered include Cryptography and Data Security, Digital Signatures and Certificates, Pretty Good Privacy (PGP), Public Key Infrastructure (PKI), Certification Authorities (CA), CA and PKI Architecture, Smart Cards and Biometrics, and Digital Currency Alternatives.

ITEC 2513 VISUAL PROGRAMMING  
**Prerequisite:** ITEC 1513 Programming Fundamentals  
This course explores advanced concepts of visual computer programming using Visual Basic.Net. The students will learn how to create programs to interact with databases and World-Wide-Web-based client/server networks. Students will demonstrate proficiency by creating advanced forms and controls to build sophisticated web applications visually, incorporating object-oriented programming techniques including inheritance and polymorphism in programs, accessing and updating database fields from within programs, and designing and creating web forms and web controls to make dynamic web pages with ASP.Net.

ITEC 2543 DIGITAL VIDEO EDITING  
**Prerequisites:** ITEC 1543 Fundamentals of Video Production  
This is a hands-on course that explores the world of digital video editing. Students will focus on working with timelines, clips, transitions, essential editing techniques, audio, titles, effects, advanced editing techniques, animating clips and export options.

ITEC 2553 DIGITAL MEDIA PRODUCTION  
**Prerequisites:** ITEC 1543 Fundamentals of Video Production  
Students will learn how to create digital video introductions and titles for video, as well as how to author digital video productions. Topics for this course will include importing graphics, creating presentations, timelines, linking, audio and integration.

ITEC 2563 DIGITAL VIDEO ANIMATION DESIGN  
**Prerequisites:** ITEC 1543  
This hands-on course focuses on the ability to create a wide variety of compelling motion graphics and visual effects. Topics for this course include importing, composition, timelines, keyframes, timing, layering, painting, masking, motion, audio and rendering.

ITEC 2573 DIGITAL VIDEO PRESENTATIONS  
**Prerequisites:** ITEC 2543 Digital Video Editing; ITEC 2553 Digital Media Production; and ITEC 2563 Digital Video Animation Design  
This course allows the student to integrate the concepts learned with the philosophies developed to create a digital video presentation for a real-world setting. Students will focus on business principles such as finances and communication, color and design theory and professionalism.

ITEC 2583 DIGITAL VIDEO MARKETING AND ADVERTISING  
**Prerequisites:** ITEC 2573 Digital Video Presentations  
This course provides concepts of marketing in relation to digital video commerce. This course will cover methods of personalization, developing new products in digital video context, how to create an effective digital video, and cost effectiveness.

ITEC 2613 COMPUTER PROGRAMMING II  
**Prerequisite:** ITEC 1613 Computer Programming I  
This course is a continuation of Computer Programming I and will focus on object-oriented computer programming and file manipulation. The students will use the C++ programming language to learn the uses of object-oriented language constructs including public and private classes, operator overloading, constructors and...
destructors in derived classes, polymorphism with inheritance hierarchies, and relationships among templates, friends, and inheritance. Students will also learn to create, read, write, and update files in both sequential and random-access modes.

**ITEC 2633 JAVA PROGRAMMING**  
*Prerequisite: ITEC 2513 Visual Programming or ITEC 2613 Computer Programming II*  
This course explores the fundamental programming concepts needed to learn the JAVA programming language. Topics covered include methods, classes, arrays, stand-alone applications, GUI creation, using the abstract windowing toolkit, JAVA Applets, animations, sounds, and threads. To demonstrate mastery of the concepts, students will design, code, debug, and document web-based and other sample programs.

**ITEC 2653 DATABASE PROGRAMMING**  
*Prerequisite: ITEC 2613 Computer Programming II*  
This course is an in-depth study of relational database processing using the Structured Query Language (SQL). Topics covered include general application development using basic and advanced select statements, queries involving multiple tables, joins, functions and subqueries, data updates, tables and views, primary keys, foreign keys, indexes, data security, stored procedures and triggers, subtables, references, sets, and user-defined data types in the catalog, and embedding SQL and ODBC.

**JOURNALISM**

**JOUR 1133 INTRODUCTION TO PHOTOGRAPHY**  
Students will develop their skills in the process, printing, and media used in black and white photography. This course is a study of the basic principles and techniques of photography. Included is a study of the fundamentals of camera operations, lighting, shooting, and developing black and white photographs.

**JOUR 2001-3 JOURNALISM SEMINAR**  
This course is a study of selected topics in journalism.

**JOUR 2263 INTERMEDIATE PHOTOGRAPHY**  
*Prerequisite: JOUR 1113 Introduction to Photography or approval of the instructor.*  
This course is designed for in-depth study of black-and-white photography. Some experience is provided in aspects of portrait, still life, landscape, and architectural photography.

**JOUR 2273 ADVANCED PHOTOGRAPHY**  
*Prerequisite: JOUR 2263 Intermediate Photography or Approval of the instructor.*  
This course is a general introduction to portrait and studio photography. It includes aspects of studio lighting, camera technique, backgrounds, color processing, painting, and other components of portrait photography. Techniques of photographing children, as well as adults, will be examined. Studio management and other aspects of commercial and industrial photography will be included.

**LIFE SCIENCE**

**LFSC 2001-3 SEMINAR IN LIFE SCIENCE**  
This course is a study of selected topics in the life sciences.

**MANAGEMENT**

**MGMT 1101-3 SUPERVISED WORK EXPERIENCE I**  
*Prerequisite: Approval of the Career Education Coordinator*  
This course is designed to provide practical work experience as preparation for careers. Credit is awarded for new learning which takes place through work experience and provided practical education. The number of hours rewarded depends on the number of hours worked per week during the semester. Further details can be obtained in the Career Education Office.

**MGMT 1121-3 SUPERVISED WORK EXPERIENCE II**  
*Prerequisites: MGMT 1101-3 Supervised Work Experience I and approval of the Career Education Office.*  
This course is designed to provide practical work experience as preparation for careers. Credit is awarded for new learning which takes place through work experience and provided practical education. The number of hours rewarded depends on the number of hours worked per week during the semester. Further details can be obtained in the Career Education Office.

**MGMT 1333 PRINCIPLES OF ADVERTISING**  
This course is a comprehensive study of the promotion function of marketing as it applies to large segments of business, industry, and the professions. The course covers topics such as identifying prospects, analyzing products and markets, product positioning, consumer
research, advertising budgets, media selection, writing and producing copy and layouts for print and broadcasting media, legal responsibilities, evaluating promotional campaigns, public relations, publicity, and administration of advertising departments.

**MGMT 2001-4 CAREER EDUCATION SEMINAR**
This course is a study of selected topics related to experiential education and career awareness.

**MGMT 2033 PRINCIPLES OF MANAGEMENT**
This course is designed to present the basic principles of management such as planning, decision making, organizing, staffing, communicating, motivating, leading, and controlling. Concepts of management apply to both profit and non-profit organizations.

**MGMT 2103 OCCUPATIONAL/TECHNICAL INTERNSHIP**
*Prerequisite: Instructor Permission. Further details can be obtained in the Career Office.*
This course is a directed internship experience in an organization at a level requiring specific duties and responsibilities related to the student’s program of study. It is designed to integrate on-campus classroom study with practical hands-on work experience in the student’s major field of study. A student must meet all of the requirements for internship participation including completion of 20 credit hours with a 2.0 GPA or higher. During the semester of internship, the student is required to provide evidence totaling 192 hours of internship/work experience.

**MGMT 2111-3 SUPERVISED WORK EXPERIENCE III**
*Prerequisites: MGMT 1121-3 Supervised Work Experience II and approval the Career Educational Coordinator.*
This course is designed to provide practical work experience as preparation for careers. Credit is awarded for new learning which takes place through work experience and provided practical education. The number of hours rewarded depends on the number of hours worked per week during the semester. Further details can be obtained in the Cooperative Education Office.

**MGMT 2121-3 SUPERVISED WORK EXPERIENCE IV**
*Prerequisites: MGMT 2111-3 Supervised Work Experience III and approval of the Career Educational Coordinator.*
This course is designed to provide practical work experience as preparation for careers. Credit is awarded for new learning which takes place through work experience and provided practical education. The number of hours rewarded depends on the number of hours worked per week during the semester.

**MGMT 2143 BUSINESS LEADERSHIP**
This course is designed to integrate on-campus classroom study with practical hands-on business leadership and professional development opportunities. The student will establish leadership goals in the areas of business leadership, professional development, ethical and diversity responsibilities, problem solving, and community service. The student is required to provide evidence of these goals and their accomplishment by assembling a Business Leadership portfolio. The student will be required to participate in activities in four leadership environments: business, civic/community, educational, and social.

**MGMT 2153 FUNDAMENTALS OF PRODUCTION MANAGEMENT**
This course covers the production function in industry, which includes those procedures involved in the transformation of raw materials into the finished product. It introduces conventional and quantitative decision models, forecasting, process, human resource planning, logistics, inventory systems, cost, and output control systems.

**MGMT 2221 JOB ACQUISITION/INTERNSHIP SKILLS**
This course covers the skills and techniques necessary to be employable. It is designed to provide a practical approach to the basic skills that are needed to start the process to job acquisition and/or internships. Further details can be obtained in the Career Education Office.

**MGMT 2353 SMALL BUSINESS MANAGEMENT**
This course presents techniques involved in the organization and operation of a small business. It includes causes of business failure, location, merchandising, and financial problems, as well as employer-employee relations.

**MGMT 2363 HUMAN RESOURCE MANAGEMENT**
This course is a study of the principles, procedures, and organizational techniques currently utilized by business in the management of human resources. It includes a study of the current developments within the general field of human resource development and management, including employment practices; employee assessment...
and evaluation; orientation; training programs; related federal and state legislation, regulations, and orders; workforce diversity; union management and relations; and compensation management.

MGMT 2453 INTERNATIONAL SMALL BUSINESS
Prerequisites: CMSC 1223 Business Applications Software and Approval of the Program Coordinator
Using an international business mode, students work as team members in a simulated business firm in a state-of-the-art facility. The students perform various business functions (i.e., purchasing, accounting, marketing, human resources) as the firm transacts business with students in other simulated companies, both in the United States and in other countries. Students are involved in decision making, critical thinking, and team activities. Instructional emphasis will be given to International Small Business Management.

MGMT 2463 INTERNATIONAL HUMAN RESOURCE MANAGEMENT
Prerequisites: CMSC 1223 Business Applications Software and Approval of the Program Coordinator
Using an international business mode, students work as team members in a simulated business firm in a state-of-the-art facility. The students perform various business functions (i.e., purchasing, accounting, marketing, human resources) as the firm transacts business with students in other simulated companies, both in the United States and in other countries. Students are involved in decision making, critical thinking, and team activities. Instructional emphasis will be given to International Human Resource Management.

MARKETING

MRKT 2323 PRINCIPLES OF MARKETING
This course is designed to cover a systems approach to marketing in both profit and non-profit organizations. Topics include planning and forecasting, market segmentation, social responsibility, consumerism, evaluation of consumer behavior, and marketing strategies related to introduction and prolonging of product life cycles, classification of consumer and industrial goods and services, pricing, promotion, and distribution channels.

MRKT 2423 INTERNATIONAL MARKETING
Prerequisites: CMSC 1223 Business Applications Software and Approval of the Program Coordinator
Using an international business mode, students work as team members in a simulated business firm in a state-of-the-art facility. The students perform various business functions (i.e., purchasing, accounting, marketing, human resources) as the firm transacts business with students in other simulated companies, both in the United States and in other countries. Students are involved in decision making, critical thinking, and team activities. Instructional emphasis will be given to International Marketing.

MATHEMATICS

MATH 0013 BASIC MATHEMATICS
This course presents fundamental operations on integers, common fractions, decimals, and percents and their application.

MATH 0103 GENERAL COLLEGE MATHEMATICS
This course presents fundamental operations on whole numbers, decimals, and fractions. Also included are percents, measurements, simple statistics, geometry, and real numbers.

MATH 0113 BASIC ALGEBRA
This course is the first step in the process of learning algebra. It is intended for those who are encountering algebra for the first time or for those whose original encounter with algebra was not positive. Topics included are real numbers, order of operations, the variable concept, algebraic expressions, linear equations, inequalities, graphing, polynomials and factoring.

MATH 0123 INTERMEDIATE ALGEBRA
Prerequisite: MATH 0113 Basic Algebra, or required score on placement exam
This course presents a review of Basic Algebra topics and includes rational expressions and equations, concept of function, systems of equations, exponents, quadratic equations and inequalities, radical expressions and equations, and complex numbers.

MATH 0136 FOUNDATIONS OF ALGEBRA
Prerequisite: 0103 General College Math, or required score on placement exam
This course is intended for people who have satisfactorily mastered general math techniques and concepts and are ready to proceed to algebra. Topics covered will include but not limited to: operations on real numbers, algebraic expressions, linear equations and inequalities, graphing, operations on polynomials and factoring, rational and radical expressions and equations.
concepts of functions, systems of equations, exponents, quadratic equations and inequalities, and complex numbers.

**MATH 1083 MATHEMATICS FOR DATA PROCESSING**
This course presents the concepts of number systems and their arithmetic, binary codes, fixed and floating point numbers, logic, flowcharting, applications of mathematical methods, and basic algebra with word problems.

**MATH 1023 STRUCTURAL CONCEPTS IN ARITHMETIC I**
This course presents an introduction to problem solving and number theory as they relate to numeration systems, rational numbers, elementary algebra, functions, and the use of current technologies. Does not apply toward a major or minor in mathematics. Does not substitute for MATH 1493 or MATH 1513.

**MATH 1123 STRUCTURAL CONCEPTS IN ARITHMETIC II**
*Prerequisites: MATH 1023 or departmental permission*
This course presents the structure of the real number system, functions, statistics, probability, and elementary geometric concepts with emphasis on informal geometry. Additionally, use of technology as a teaching tool is introduced. Does not apply toward a major or minor in mathematics.

**MATH 1413 TECHNICAL MATHEMATICS I**
This is a course designed for those students entering the technical fields. Topics include arithmetic operations, algebraic operations, geometry, linear equations and systems of linear equations, graphs, factoring, exponents and scientific notation.

**MATH 1433 TECHNICAL MATHEMATICS II**
*Prerequisite: MATH 1413 Technical Mathematics I or equivalent*
This is a continuation of MATH 1413 Technical Mathematics I for technical-occupational students. The course includes trigonometry, complex numbers, logarithms, additional algebraic techniques, and an introduction to calculus with applications.

**MATH 1493 CONTEMPORARY MATHEMATICS**
*Prerequisite: MATH 0123 Intermediate Algebra or required score on placement examination*
This general education mathematics course is for majors not requiring college algebra. The course includes the study of selected mathematical topics and their applications. Topics include, but are not limited to, set theory, logic, statistics, probability, finance, exponential and logarithmic functions, geometry, matrices, and numeration systems.

**MATH 1513 COLLEGE ALGEBRA**
*Prerequisite: MATH 0123 Intermediate Algebra or an ACT Math subscore of 19.*
This course presents equations and inequalities, systems of equations, determinants and matrices, complex numbers, polynomial equations, exponential and logarithmic functions, functions and their graphs, conic sections, and combinatorics.

**MATH 1613 TRIGONOMETRY**
*Prerequisite/Corequisite: MATH 1513 College Algebra*
This course covers the six trigonometric functions and their inverses, identities, solution of triangles, polar coordinates, and applications.

**MATH 2001-3 MATHEMATICS SEMINAR**
This course presents selected topics in mathematics, studying areas not covered by the standard curriculum.

**MATH 2023 STRUCTURAL CONCEPTS IN ALGEBRA**
*Prerequisites: MATH 1123*
This course presents those topics of algebra that permeate the modern elementary program and many of those which children will encounter in the secondary school. Does not apply towards a major or minor in mathematics.

**MATH 2193 ELEMENTARY STATISTICS**
*Prerequisite: MATH 1513 College Algebra*
This course covers the basic concepts of statistics and includes probability, Normal, Chi-Square, Student, and Z distributions. Measurements of Central tendency and dispersion and variance are covered along with confidence limits and testing of hypotheses.

**MATH 2714 CALCULUS I**
*Prerequisites: MATH 1513 College Algebra and MATH 1613 Trigonometry*
This course presents the concepts of limits and continuity of functions, derivatives, and integrals of algebraic and trigonometric functions with appropriate applications.

**MATH 2734 CALCULUS II**
*Prerequisite: MATH 2714 Calculus I*
This course is a continuation of MATH 2714 Calculus I...
and presents the derivatives and integrals of exponential and logarithmic, hyperbolic and inverse functions, techniques of integration, and indeterminate forms. Also included are the principles of analytic geometry, vectors, lines, and pole transformations.

**MATH 2754 CALCULUS III**  
*Prerequisite: MATH 2734 Calculus II or AP Calculus*  
This course is a continuation of MATH 2734 Calculus II and the final class in the Calculus sequence. It covers infinite series, plane curves, polar coordinates, partial derivatives, multiple integrals, vector calculus and differential equations.

**MICROBIOLOGY**

**MICR 2134 INTRODUCTION TO MICROBIOLOGY WITH LAB**  
*Prerequisite: Introductory General Chemistry Course and 3 credit hours of life science.*  
Introductory course based on the guidelines of the American Society for Microbiology. The core concept of microbial diversity is integrated to include microbial cell biology, microbial genetics, and the interactions and impact of microorganisms on humans and on the environment. Laboratory exercises are aimed at reinforcing lecture topics, basic microbiological techniques as well as basic identification and safety techniques.  
3 credit hours of lecture and 1 credit hour of laboratory

**MICR 2135 MICROBIOLOGY WITH LAB**  
*Prerequisite: Introductory General Chemistry Course and 3 credit hours of life science.*  
Introductory majors course based on the guidelines of the American Society for Microbiology. The core concept of microbial diversity is integrated to include microbial cell biology, microbial genetics, and the interactions and impact of microorganisms on humans and on the environment. The basic laboratory reinforces lecture topics, basic microbiology techniques as well as basic identification and safety techniques. In addition, the extended laboratory introduces basic techniques of molecular biology such as DNA purification, agarose and polyacrylamide gel electrophoresis, protein purification, bacterial transformation, in vitro enzyme assays, bacterial bioremediation, and antibody detection using the ELISA techniques.  
3 credit hours of lecture and 2 credit hours of laboratory

**MUSIC**

**MUS 1123 FUNDAMENTALS OF MUSIC**  
This course offers hands-on experience in music methods. Emphasized are the five elements of music: rhythm, melody, harmony, form and expression.

**MUS 1134 MUSIC THEORY I**  
*Prerequisite: MUS 1134 Music Theory I*  
This course is a review of the rudiments of tonal music: scales, key signature, intervals, and triads. It incorporates four-part music writing, music analysis, composition and associated skills. Also included is the development of basic aural skills related to sight-reading with rhythmic, melodic and harmonic dictation.

**MUS 1234 MUSIC THEORY II**  
*Prerequisite: MUS 1134 Music Theory I*  
This course is a continuation of the integrated approach to music theory covering traditional diatonic practice with an expanded study of harmonic progression and partwriting, music analysis, ear-training, dictation, and sight-singing.

**MUS 1343 MUSIC APPRECIATION**  
*Prerequisite: MUS 1134 Music Theory I*  
This course is a survey of music from Baroque through the mid-twentieth century, with an introduction of music terminology and the music of antiquity (Middle Ages and Renaissance). Emphasis will be placed on how music relates as an aesthetic experience to life, culture, and social activity.

**MUS 2001-3 MUSIC SEMINAR**  
This course is a study of selected topics in music.

**MUS 2041 CLASS PIANO I**  
This course offers group instruction in fundamentals of the keyboard through basic note reading, rhythm, scales, and beginning music reading.

**MUS 2051 CLASS PIANO II**  
*Prerequisite: MUS 2041 Class Piano I*  
This course offers group instruction in fundamentals of the keyboard with a continuation of music reading and an introduction to traditional piano literature.

**MUS 2111-2 PRIVATE INSTRUCTION IN MUSIC**  
This course will be specified by each enrollment as to the type of private instruction. Students interested in private music lessons should contact a music instructor.
for additional information.

**MUS 2151 CHORAL UNION**
This course is a singing organization which offers the study and performance of standard compositions from the classical and popular repertory and is open to all college students. It requires three hours of rehearsal a week. It may be repeated for credit.

**NATURAL SCIENCE**

**NASC 0123 NATURAL SCIENCE CONCEPTS**
This is a course designed to meet prerequisites to science courses for those students lacking two units of lab science in high school or acceptable ACT scores. 2 semester credit hours lecture; 1 semester credit hour lab.

**NASC 2001-3 NATURAL SCIENCE SEMINAR**
This course is an introduction to many of the various courses offered in science. Areas include biology, zoology, botany, chemistry, physics, geology, and other related sciences.

**NASC/AGRI 2014 METHODOLOGY OF APPLIED RESEARCH IN NATURAL SCIENCES**
This course is designed as an interdisciplinary approach to scientific research. Each student will be responsible for individual research projects which include the research, experimental plan and design, and collection and analysis of field data. A required scientific report will utilize the scientific method offering experience of cross-curricula dimensions including statistical evaluation of research data. Areas of emphasis will include hydrology, agriculture, biology, chemistry, microbiology, and technology.

**NURSING**

**NURS 1102 ROLE TRANSITION I**
Prerequisite: A score at the 76th percentile or higher on a standardized test is required prior to class enrollment.
This course is designed to facilitate role transition into the associate degree nursing program for students with health care experience and/or related educational backgrounds. Areas of focus include program philosophy, roles and concepts of the associate degree nurse, role change, nursing process, human needs framework, and developmental principles. The course is designed to allow students to demonstrate proficiency of attainment of course objectives and outcomes found in NURS 1116 Fundamentals of Nursing.

**NURS 1115 FUNDAMENTALS OF NURSING**
Prerequisites: Acceptance into Category II and CHEM 1215 Chemistry I w/lab or CHEM 1315 General Chemistry w/lab
Prerequisites/Co-requisites: ZOOL 2134 Anatomy w/lab, ENGL 1113 English Composition I and PSY 1113 Elements of Psychology
Co-requisite: NURS 1121 Fundamentals of Nursing Clinical
Fundamentals of Nursing is a 16-week course that introduces the concepts of the individual, health, and nursing as the dynamic core of the program supported by a human needs framework and developmental principles. The theory component of the course introduces scientific foundations basic to each of the three roles of the associate degree nurse. The campus laboratory provides the opportunity to practice nursing skills in a simulated setting. The course is designed to facilitate attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

**NURS 1121 FUNDAMENTALS OF NURSING CLINICAL**
Prerequisites: Acceptance into Category II and CHEM 1215 Chemistry I w/lab or CHEM 1315 General Chemistry w/lab
Prerequisites/Co-requisites: ZOOL 2134 Anatomy w/lab, ENGL 1113 English Composition I and PSY 1113 Elements of Psychology
Co-requisite: NURS 1116 Fundamentals of Nursing
Fundamentals of Nursing is a 16-week course that introduces the concepts of the individual, health, and nursing as the dynamic core of the program supported by a human needs framework and developmental principles. Theoretical foundations and skills are applied to client care in a clinical setting. The course is designed to facilitate attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

**NURS 1201 ROLE TRANSITION II**
Prerequisite: A score at the 76th percentile or higher on a standardized test is required prior to class enrollment.
This course is designed to facilitate role transition into the associate degree nursing program for students with
health care experience and/or related educational backgrounds. Areas of focus include nursing process, human needs framework, and developmental principles as applied to adult medical-surgical clients. The course is designed to allow students to demonstrate proficiency of attainment of course objectives and outcomes found in NURS 1224 Adult Health Problems.

NURS 1211 ADULT HEALTH PROBLEMS CLINICAL
Prerequisite: NURS 1116 Fundamentals of Nursing
Prerequisites/Co-requisites: ZOOL 2144 Physiology w/lab, ENGL 1213 English Composition II and PSY 2163 Developmental Psychology
Co-requisite: NURS 1223 Adult Health Problems
Adult Health Problems Clinical experience is an 8-week course that utilizes the human needs framework and developmental principles to provide care for adults with common health problems. Learning experiences in clinical course components stress using each step of the nursing process with increasing skill in a variety of medical-surgical settings. The overall course content is designed to facilitate student acquisition of additional competencies in each of the three roles of the associate degree nurse. The course is designed to facilitate attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

NURS 1223 ADULT HEALTH PROBLEMS
Prerequisite: NURS 1116 Fundamentals of Nursing
Prerequisites/Co-requisites: ZOOL 2144 Physiology w/lab, ENGL 1213 English Composition II and PSY 2163 Developmental Psychology
Co-requisite: NURS 1211 Adult Health Problems
Adult Health Problems is an 8-week course that utilizes the human needs framework and developmental principles to provide care for adults with common health problems. Learning experiences in both theory and clinical course components stress using each step of the nursing process with increasing skill in a variety of medical-surgical settings. The overall course content is designed to facilitate student acquisition of additional competencies in each of the three roles of the associate degree nurse. The course is designed to facilitate attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

NURS 1233 PARENTAL-CHILD NURSING
Prerequisites: NURS 1116 Fundamentals of Nursing and NURS 1224 Adult Health Problems
Prerequisites/Co-requisites: ZOOL 2144 Physiology w/lab, ENGL 1213 English Composition II and PSY 2163 Developmental Psychology
Co-requisite: NURS 1241 Parental-Child Nursing Clinical
Parental-Child Nursing is an 8-week course that stresses the normalcy of the maternity cycle and child health from birth through adolescence. The nursing process, along with the human needs framework and developmental principles, are utilized to organize family-centered care for maternity and pediatric clients. Selected health problems common to maternity and pediatric clients are included in the course. Course content is planned to provide competencies in each of the three roles of the associate degree nurse. The course is designed to facilitate attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

NURS 1241 PARENTAL-CHILD NURSING CLINICAL
Prerequisites: NURS 1116 Fundamentals of Nursing and NURS 1224 Adult Health Problems
Prerequisites/Corequisites: ZOOL 2144 Physiology w/lab, ENGL 1213 English Composition II and PSY 2163 Developmental Psychology
Co-requisite: NURS 1233 Parental-Child Nursing
Parental-Child Nursing Clinical experience is an 8-week course that stresses the normalcy of the maternity cycle and child health from birth through adolescence. Clinical learning experiences occur in different settings to facilitate student attainment of course objectives. Course content is planned to provide competencies in each of the three roles of the associate degree nurse. The course is designed to facilitate attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

NURS 1301 ROLE TRANSITION III
Prerequisite: A score at the 76th percentile or higher on a standardized test is required prior to class enrollment approval of Nursing Program Director.
This course is designed to facilitate role transition into the associate degree nursing program for students with
health care experience and/or related educational backgrounds. The nursing process, along with the human needs framework, developmental principles and principles of family-centered care, are utilized to plan care for maternity and pediatric clients. This course is designed to allow students to demonstrate proficiency of attainment of course objectives and outcomes found in NURS 1234 Parental-Child Nursing.

**NURS 2000-4 NURSING TOPICS**
This course provides selected learning opportunities in specific areas of nursing.

**NURS 2131 COMPLEX PHYSICAL AND MENTAL ILLNESS CLINICAL**
*Prerequisite: NURS 1234 Parent-Child Nursing*
*Prerequisites/Co-requisites: MICR 2134 Microbiology with Lab, SOC 1113 Introduction to Sociology and POLS 1113 Elements of Psychology*
*Co-requisite: NURS 2137 Complex Physical and Mental Illness*

Complex Physical and Mental Illness is a 16-week clinical experience that utilizes the human needs framework and developmental principles to focus on nursing care for adults experiencing more complex physical and mental problems. Learning experiences in acute medical-surgical and psychiatric care, as well as long-term care, are included in the course. At the completion of the course, the student will have competencies in each of the three roles of the associate degree nurse. The course is designed to facilitate attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

**NURS 2137 COMPLEX PHYSICAL AND MENTAL ILLNESS**
*Prerequisite: NURS 1234 Parent-Child Nursing*
*Prerequisites/Co-requisites: MICR 2134 Microbiology with Lab, SOC 1113 Introduction to Sociology and POLS 1113 Elements of Psychology*
*Co-requisite: NURS 2131 Complex Physical and Mental Illness Clinical*

Complex Physical and Mental Illness is a 16-week course that utilizes the human needs framework and developmental principles to focus on nursing care for adults experiencing more complex physical and mental problems. Learning experiences in acute medical-surgical and psychiatric care, as well as long-term care, are included in the course. At the completion of the course, the student will have competencies in each of the three roles of the associate degree nurse. The course is designed to facilitate attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

**NURS 2241 COMMUNITY-BASED NURSING CLINICAL**
*Prerequisite: NURS 2138 Complex Physical and Mental Illness*
*Prerequisite/Corequisite: HIST 1483 United States History to 1877 or HIST 1493 United States History, 1877 to Present*
*Co-requisite: NURS 2243 Community-Based Nursing Clinical*

Community-Based Nursing Clinical is an 8-week experience that builds on knowledge gained in all prior nursing courses to promote health and provide health care services at the community level. Clinical settings include mental health, home health agencies, long term care, and community services facilities. The human needs framework and developmental principles are applied to community-based approaches to health promotion, disease treatment, and prevention. Planning, implementation, and evaluation in the nursing process are approached from the perspective of three levels of the associate degree nurse. This course is designed to facilitate attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

**NURS 2243 COMMUNITY-BASED NURSING**
*Prerequisite: NURS 2138 Complex Physical and Mental Illness*
*Prerequisite/Corequisite: HIST 1483 United States History to 1877 or HIST 1493 United States History, 1877 to Present*
*Co-requisite: NURS 2241 Community-Based Nursing Clinical*

Community-Based Nursing is an 8-week course that builds on knowledge gained in all prior nursing courses to promote health and provide health care services at the community level. The human needs framework and developmental principles are applied to community-based approaches to health promotion, disease treatment, and prevention. Planning, implementation, and evaluation in the nursing process are approached from the perspective of three levels of the associate degree nurse. This course is designed to facilitate attainment of program objectives as stated in the Nursing Student
Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

NURS 2255 MANAGEMENT AND COORDINATION OF NURSING WITH LAB
Prerequisite: NURS 2244 Community-Based Nursing
Prerequisite/Co-requisite: HIST 1483 United States History to 1877 or HIST 1493 United States History, 1877 to Present
Co-requisite: NURS 2255 Management and Coordination of Nursing
Management and Coordination of Nursing is an 8-week course designed to facilitate the transition from nursing student to graduate nurse. A variety of components of the management process will be explored both in theory and through clinical experiences. Contemporary trends and issues related to nursing practice are examined. The course is also designed to facilitate the attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

NURS 2261 MANAGEMENT AND COORDINATION OF NURSING CLINICAL
Prerequisite: NURS 2244 Community-Based Nursing
Prerequisite/Co-requisite: HIST 1483 United States History to 1877 or HIST 1493 United States History, 1877 to Present
Co-requisite: NURS 2255 Management and Coordination of Nursing
Management and Coordination of Nursing Clinical is an 8-week course designed to facilitate the transition from nursing student to graduate nurse. A variety of components of the management process will be explored both in theory and through clinical experiences. Contemporary trends and issues related to nursing practice are examined. The course is also designed to facilitate the attainment of program objectives as stated in the Nursing Student Handbook. If a passing grade is not obtained in the theory, laboratory and clinical components of the course, the student will not receive a passing grade for any of the components.

ORIENTATION

ORT 1111 ORIENTATION
Orientation is a recommended course for all incoming freshmen but is required for all freshmen enrolled in any zero-level course. It supplies students with information about campus services and activities, possible career options, and successful college behaviors. The course also provides the student with ongoing contact with a campus representative to provide support and problem-solving assistance.

PHILOSOPHY

PHIL 1113 INTRODUCTION TO PHILOSOPHY
This course is a study of the human race and the universe through an emphasis on selections from some of the representative philosophers of the past and present.

PHIL 1313 CRITICAL THINKING
This course is a survey of informal principles of reasoning. Fundamental processes and assumptions in reasoning will be discussed, and obstacles to effective thinking and fallacies will be identified. This course is not designed to meet humanities requirements.

PHIL 1413 CONTEMPORARY ETHICAL REASONING
This course is a survey of some of the major theories and themes of ethics from past and present thinkers. The focus of this course is on the application of these concepts to contemporary ethical and moral issues.

PHYSICAL SCIENCE

PHSC 1114 PHYSICAL SCIENCE WITH LAB
Prerequisites: none
This is a lecture-demonstration with laboratory course. This course presents concepts from the areas of astronomy, chemistry, physics, and earth sciences. 3 hours lecture credit, 1 hour lab credit

PHYSICS

PHYS 1115 PHYSICS I WITH LAB
Prerequisites: Math 1513 College Algebra or required score on placement exam
This is a study of mechanics, relativity, heat, thermodynamics, and harmonic motion. Hands-on approaches are used in the laboratory to reinforce the material covered in lecture portion of the class. 4 hours lecture credit, 1 hour lab credit
PHYS 1215 PHYSICS II WITH LAB
Prerequisites: PHYS 1115 Physics with Lab
This is a more detailed look into the experimental side of physics. The course includes an in-depth study of electricity, magnetism, light and modern physics. Experiments will emphasize electrical and magnetic phenomena, optical properties, and certain modern physics phenomena. The lab requires a lab notebook be kept and a project be performed at the end of the semester. 3 hours lecture credit, 2 hour lab credit.

POLITICAL SCIENCE

POLS 1113 UNITED STATES GOVERNMENT
This course focuses on the origin and operation of the national government with emphasis on the American Constitutional System. It is designed to help students become better citizens. It is required with any degree.

POLS 2001-3 POLITICAL SCIENCE SEMINAR
This course presents studies in selected topics in political science.

POLS 2112 MODEL UNITED NATIONS
This is a general survey of United Nations activities and programs, with an emphasis on preparation and presentation of resolutions and programs to a body for debate and approval.

POLS 2143 INTRODUCTION TO STATE AND LOCAL GOVERNMENT
This course looks at the place of the state in American federalism and studies the government of municipalities and counties.

PSYCHOLOGY

PSY 1052 STRESS MANAGEMENT
This course addresses the nature of stress, its causes and sources, and techniques for reducing and/or avoiding it.

PSY 1103 CAREER PLANNING
Prerequisite: Approval of instructor. Note: Course will not substitute for any Psychology course, including PSY 1113.
This course is designed to increase the understanding and competency of setting goals, career assessment, and techniques that will be utilized in the job search and throughout a lifetime of employment. It also examines the world of work through topics including Skills Assessment, Information Integration, Career Goals, Job Search Techniques, Resumes, Interviewing Skills, and Development of the Career Portfolio. Further details can be obtained in the Cooperative Education Office.

PSY 1113 ELEMENTS OF PSYCHOLOGY
This course is an introduction to the basic principles of human development, learning adjustment and maladjustment, personality, intelligence, group processes, and perception.

PSY 1203 PSYCHOLOGY OF PERSONAL ADJUSTMENT
This course is a study of the concepts of a healthy personality, including basic needs and drives, self-structure, and promotion of a healthy personality.

PSY 2001-3 PSYCHOLOGY SEMINAR
This course presents studies in selected topics in psychology.

PSY 2033 ADOLESCENT PSYCHOLOGY
Prerequisite: PSY 1113 Elements of Psychology
This course covers the physical, mental, social, and emotional development of youth, with attention given to observation of the adolescent.

PSY 2043 SOCIAL PSYCHOLOGY
This course investigates group dynamics, including the properties of the group and group structure, and the products of interactions, attitudes, prejudices, and values.

PSY 2053 CHILD PSYCHOLOGY
This course is the scientific study of the behavior of the child from conception to adolescence. It stresses early experience in relationships, gender roles, and life skills. Emphasis is given to the self-concept as developed through interaction with significant others, maturation, appreciation of environmental factors, and the establishment of a value system.

PSY 2163 DEVELOPMENTAL PSYCHOLOGY
This course is designed to provide insight regarding the developmental process from conception to death. Special attention is given to the physical, cognitive, and psychosocial domains of each life stage.

PSY 2183 THEORIES OF COUNSELING
Prerequisite: PSY 1113 Elements of Psychology
This course is an introduction to theories and methods of counseling. Emphasis is placed on the basic elements.
common to all theoretical counseling approaches.

**PSY 2213 INTRODUCTION TO PERSONALITY THEORY**
This course is designed to examine the structure, development, and processes of the personality from a variety of theoretical perspectives, including psychodynamic, behavioral, humanistic, and existential perspectives.

**PSY 2313 ABNORMAL PSYCHOLOGY**
This course is a survey of the major clinical research of the psychological disorders outlined in the Diagnostic and Statistical Manual IV (DSM IV), including anxiety, affective, disassociative, and personality disorders, as well as schizophrenia and developmental disorders. Disorders will be examined from theoretical perspectives including systemic approaches and social learning, psychodynamic learning, medical, and humanistic models.

**RELIGION**

**RELG 1123 INTRODUCTION TO THE NEW TESTAMENT**
This course is a survey of the origin and development of Christianity, beginning with an introduction to the New Testament, continuing through the story of the earthly life of Jesus Christ as recorded in the Gospels, and ending with the growth of the Christian movement as presented in the book of Acts and later in the New Testament.

**RELG 1143 INTRODUCTION TO THE OLD TESTAMENT**
This is a survey course covering the leading facts in the religious history of the Hebrew people. While the course is neither exhaustive nor technical, some attention has been given to background materials such as the geography, culture, and customs of the ancient Hebrew world.

**SOCIOMETRY**

**SOC 1113 INTRODUCTION TO SOCIOLOGY**
This is a general survey of the fundamental concepts of sociology, the elements and processes of social interactions, and the application of sociological principles to social institutions, groups, and problems.

**SOC 1123 INTRODUCTION TO SERVICE LEARNING**
The goal of this course is to prepare students for the assessment, implementation, and evaluation of three community service projects.

**SOC 2001-3 BEHAVIORAL AND SOCIAL SCIENCE SEMINAR**
This course presents selected studies in sociology.

**SOC 2043 PARENT AND COMMUNITY RELATIONS**
This course is designed to prepare early childhood professionals who have the ability to establish and maintain positive collaborative relationships with families, who can respect parents’ choices and goals for children and communicate effectively with parents about curriculum and children’s progress, and who can involve families in assessing and planning for individual children, including children with disabilities, developmental delays, or special abilities, and support parents in making decisions related to their child’s development and parenting. Covered also will be how to become aware of educational resources available in the community. The course is designed to provide opportunities for participation in and planning of family and community activities that relate to the early childhood profession. Also listed as ECE 2043 Parent and Community Relations.

**SOC 2063 INTRODUCTION TO SOCIAL WORK**
This course introduces the field of human services and agencies, career options, ethical behavior within the field, and therapeutic approaches to social and psychological problems. Techniques for aiding individuals, groups, and communities to achieve higher levels of functioning will be addressed.

**SOC 2113 HUMAN SEXUALITY**
This course will objectively examine the role of sexuality in human lives from behavioral, physiological, sociological, individual, and cultural perspectives with the goal of determining and profiling an awareness of sexual health in the individual. Research techniques and findings will provide the basis for examining the issues raised in this course.

**SOC 2133 CRIME AND DELINQUENCY**
*Prerequisite: SOC 1113 Introduction to Sociology*
This course is a survey of the nature and extent of crime in selected areas of the nation. It includes identification of the contributing causes of the crime for each area; designation of the particular approaches to apprehension, and identification of the socially acceptable means of treatment.
SOC 2153 CHILD GROWTH AND DEVELOPMENT
This course emphasizes the knowledge necessary to understand factors that influence the development of young children and the sequence and interdependency of physical, social, emotional, cognitive, and language development in children from birth to age eight. Covered will be how to use the knowledge of development and interdependency of all developmental areas to meet the needs of the group and individual while respecting each child’s unique rates of development. The course combines classroom instruction, hands-on activities, and observation of children in group care to develop competence in working with young children. Also listed as ECE 2053 Child Growth and Development.

SOC 2163 BEHAVIOR AND GUIDANCE OF YOUNG CHILDREN
This course emphasizes the knowledge necessary to provide positive child guidance strategies which help children learn to make responsible decisions regarding their own behavior and contributes to the development of self-control, self-motivation, and self-respect. This course also outlines common causes of inappropriate classroom behavior. Content will include the roles families play and how routines, classroom arrangement, and the activities provided have a direct effect on a child’s behavior. The course combines classroom instruction, hands-on activities, and observation of children in group care to develop competence in working with young children. Also listed as ECE 2063 Behavior and Guidance of Young Children.

SOC 2173 PROBLEMS IN SOCIOLOGY
This course focuses primary attention on current social problems. Topics include mental illness, drugs, minority group relations, crime, delinquency, and general social disorganization.

SOC 2183 SOCIOLOGY OF THE FAMILY
This course centers on the normative development of the family unit in contemporary life. The course includes attention to current research regarding changes in the family, alternative lifestyles, extended families, relationship development, life cycle transitions, divorce, and remarriage.

SPANISH

SPA 1053 CONVERSATIONAL SPANISH I
This course covers speaking and responding in basic Spanish phrases and sentences. It also introduces very basic concepts of Spanish grammar, and the reading and writing of simple sentences in Spanish. This course is not intended to fulfill foreign language degree requirements.

SPA 1063 CONVERSATIONAL SPANISH II
Prerequisite: SPA 1053 Conversational Spanish I or approval of the instructor. This course is designed to elaborate and embellish upon basic conversational skills introduced in Conversational Spanish I. Practical oral and written communication in Spanish will be emphasized. This course is not intended to fulfill foreign language degree requirements.

SPA 1115 BEGINNING SPANISH I
This is an elementary course in Spanish grammar, pronunciation, reading, and conversation. The student will be able to communicate better in a global society.

SPA 1125 BEGINNING SPANISH II
Prerequisite: SPA 1115 Beginning Spanish I This course is a continuation of SPA 1115 Beginning Spanish I, an elementary course in understanding, speaking, reading, and writing Spanish. The student will be able to communicate in a global society with the knowledge of the Spanish language.

SPEECH

SPCH 1113 FUNDAMENTALS OF SPEECH
This is a basic course in which principles of speech communication as they apply to interpersonal relationships, group discussions, and individual speech presentations are emphasized. The practical application of effective speech skills and their importance to success in college, career, and social relationships receive careful consideration.

SPCH 1123 INTRODUCTION TO DRAMA
This is a course designed to introduce the theater and to build performance skills through varied interpretation and acting assignments.

SPCH 1132 SPEECH ACTIVITY PARTICIPATION
Recommendation: Consultation with an instructor prior to enrollment is suggested. This course offers preparation for and participation in dramatic productions of intercollegiate speaking events. It may be repeated.

SPCH 1253 VOICE AND DICTION
Prerequisite: SPCH 1113 Fundamentals of Speech
This course is an introduction to the international phonetic alphabet as an aid to the improvement of pronunciation. A study of standard and non-standard English usage is included. Opportunities for improving the voice, articulation, and expressive intonation for effective communication are also provided.

SPCH 2001-3 SPEECH SEMINAR
This course is a study of selected topics in speech.

SPCH 2133 INTERPERSONAL COMMUNICATION
This is a course in which skills in effective communications with friends, family, and co-workers are developed through the application of theoretical communication principles to everyday situations. Use of role playing, interviewing, and group discussion activities allows the application of acquired knowledge about self-concept, listening, body language, assertiveness, and conflict management to their relationships with individuals and small groups.

SPCH 2213 ARGUMENTATION AND DEBATE
This course covers the principles of finding and evaluating evidence, developing proofs, analyzing propositions, constructing cases, exposing fallacies, attacking or defending arguments, and composing and presenting argumentative discourse. Experience in mini-debates, standard, and cross-examination debating are provided in class. Participating in intercollegiate competition is recommended.

SPCH 2223 INTERMEDIATE DRAMA
Prerequisite: SPCH 1123 Introduction to Drama or Approval of the Instructor.
This course is designed to refine skills in acting, stage movement, and vocal interpretations. Emphasis is placed on developing concentration, character analysis, and coordination of movement, thought, and voice. It may be repeated.

SPCH 2313 BUSINESS AND PROFESSIONAL SPEECH
This course is designed to assist in applying speaking skills for typical life situations. Development of skills in preparing and presenting informative, persuasive, and special occasion speeches is emphasized. Opportunities for practice in job interviews, chairing meetings, and presenting business or professional reports will also be provided.

SPCH 2333 GROUP DISCUSSION
This course covers principles and practices of effective group discussion. Special emphasis will be placed upon becoming effective participants and leaders in discussion groups. The application of group dynamics theory to specific setting and the analysis of oral interaction in different kinds of small groups will be presented. The process of decision making through group participation will also be explored.

VITICULTURE

VIN 1111 OKLAHOMA VINEYARD MANAGEMENT
This course will explore the establishment and maintenance of a vineyard with specific emphasis placed on growing grapes in Oklahoma. Focus is on the agricultural production of grapes in Oklahoma.

VIN 1113 VITICULTURE I
This course will explore the establishment and maintenance of a vineyard. Focus is on the agricultural production of grapes in the Midwest.

VIN 1121 GLOBAL TERROIR
The class will provide an introduction to the world's wine-producing regions, including history, viticultural practices and winemaking styles. The class will focus on the grapes, the soil, the climate and a short history of each region and its viticulture practices. The student will gain an understanding of the production practices of wines from these countries. Students will explore how the history, culture, winemaking philosophies, geography, grape varieties, wine styles and politics of each country combine into a common category of New World Wines. The New World (in this course) refers to Canada, the United States of America, South America, Australia, New Zealand, and South Africa.

VIN 2101-2104 VITICULTURE PRACTICUM
The Vineyard Practicum is designed to give students the opportunity to work in an established vineyard and interact with a qualified mentor.

VIN 2111 INTEGRATED PEST MANAGEMENT
Decisions need to be made for how to manage all of the normal cultural practices such as planting, fertility, harvesting, and pruning as well as managing the insect, disease, and weed problems that occur either regularly or sporadically. The information in this course will address management issues related to commonly expected pest related issues.
VIN 2112 VITICULTURE II  
Prerequisite: VIN 1113 Viticulture I  
This course will cover a variety of topics in the field of viticulture. Topics include a review of vine physiology (the cycle of vine growth, photosynthesis and water relations); vineyard establishment (site evaluation, hillside vineyards, rootstock/ cultivar selection, handling planting stock, vine training, and spacing and trellising considerations); vineyard management (canopy management, pruning, irrigation systems and scheduling, monitoring vine nutrition, diagnosis and correction of nutritional problems, grafting and budding, mechanization in the vineyard, vineyard floor management options, and frost protection considerations); and pest management (viruses, mildew and bunch rot, nematodes, and insect pests).

VIN 2221 VINEYARD TECHNOLOGY  
Prerequisites: ENO 1112 Enology I  
This is a course in the basic science and technology of vineyard operations.

VIN 2231 SOIL, IRRIGATION AND NUTRITION  
This course covers soil analysis irrigation technology and vine nutritional needs.

VIN 2962 VINEYARD AND WINERY MARKETING  
VIN 146 (VIN 1462) or by permission of the instructor  
This course will explore the marketing aspects of the wine industry. Focus is on the need for differentiation from competitors in anri-tourism. The outcome will include a public relations program for an existing or future winery.

VIN 2972 WINERY TASTING ROOM MANAGEMENT  
This course will explore the management of winery tasting rooms. Focus is on the customer service and customer loyalty.

WEAPONS OF MASS DESTRUCTION

WMD 1013 INTRODUCTION TO WEAPONS OF MASS DESTRUCTION  
This course is an introductory course that defines weapons of mass destruction. The course will introduce students to the types of weapons described by the acronym "CBRNE", describe the basic characteristics of each of the five weapons, describe the six types of harm the can result from WMD use, describe some common protective measures for dealing with WMDs, understand the social, economic and political implications of WMD’s. The students who complete the course will meet the requirements for the Department of Homeland Security WMD Standardized Awareness Training course (SAT) — AWR-160.

WMD 2073 ENERGETIC MATERIALS AND TERRORISM  
Prerequisites: HZMT 2113 Hazardous Materials II and program coordinator approval  
This course offers responders an introduction to the chemical make-up and associated hazards of explosive substances. The combination of challenging reference sources and instructional interchange immerses the student in the world of explosive compounds including the research and development behind many explosive compounds widely used throughout the world today. Topics include, but are not limited to, history of explosives; basic chemical composition of explosives; and, safety precautions and guidelines when faced with responding to energetic material event. It will also cover researching information sites and references for material ranging from basic safety precautions of explosives to the resources available for emergency responders. The course helps students understand the hazards associated with common explosive materials. This is a restricted enrollment course; enrollment must be approved by program coordinator.

WILDLIFE SCIENCE

WILD 1513 INTRODUCTION TO WILDLIFE CONSERVATION  
This course is a survey of the many aspects of wildlife conservation. Principles of conservation and management, ecology, mathematical modeling, law enforcement, and inter-governmental agencies relationships are emphasized.

ZOOGOLOGY

ZOOL 1125 ZOOLOGY WITH LAB  
Prerequisites: none  
This course is a study of the animal kingdom with emphasis on phylogenetic relationships, comparative anatomy, physiology, morphology, behavior and ecological relationships of all animal behavior. Evolution of systems and mechanisms which have allowed animals to survive and adapt to diverse habitats will also be studied. 3 hours lecture, 2 hours lab credit
**ZOOL 2134 ANATOMY WITH LAB**  
*Prerequisite: none*  
This course covers cytology, histology, development, and gross morphology of all human body systems. A look at a few diseases will also be addressed in the appropriate body system to compare the normal conditions with the abnormal characteristics that develop in both lecture and laboratory.  
*3 hours lecture, 1 hour lab credit*

**ZOOL 2144 PHYSIOLOGY WITH LAB**  
*Prerequisite: Introductory general chemistry course, ZOOL 2134 Human Anatomy or permission of instructor*  
This course involves the study of the functional systems of the human body. Included are the special senses, circulatory, digestive, endocrine, nervous, muscular, respiratory, skeletal, integumentary, urinary, and reproductive systems.  
*3 hours lecture, 1 hour lab credit*
ADMINISTRATION

Larry F. Devane, President—B.S.Ed., Emporia State University; M.S.Ed., Emporia State University; Ph.D., Kansas State University.

William Baker, Vice President of Instruction—B.S., Park University; M.A., Webster University.

Karen Boucher, Vice President of Finance and Campus Services—B.S.Ed., Southwestern Oklahoma State University; M.Ed., Southwestern Oklahoma State University; Administrative Certification, University of Oklahoma.

Joel Drury, Vice President of Student Services and Institutional Advancement—B.S. University of Utah.

PROFESSIONAL STAFF

Jack Bryant, Vice President of Contracted, Continuing and Online Education—A.A., Connors State College; B.A., Northeastern State University; M.Ed., University of Central Oklahoma.

Meg Cannon, Public Information Coordinator—B.A. Emporia State.

Wynn Case, Director of Athletics/Student Activities and Men’s Basketball Coach—A.A. Seminole State College, B.S., University of Science and Arts of Oklahoma.

Gerrod Chadwell, Women's Gold Coach—M.Ed. East Central University, B.S. East Central University.

Penny Coggins, Vice President of Grants Development & Title III—B.A., Ladycliff College; M.S., Kansas State University; Ph.D., Kansas State University.

Athena Copeland, — Scholars for Excellence in Child Care Coordinator—B.A., University of Science and Arts of Oklahoma; M.B.A., University of Phoenix.

Michael Cozart, Director Upward Bound—B.A. Grambling State University, M.A.T. Grambling State University.

Joel Figgs, Division Director for Math, Science, and Criminal Justice/Phi Theta Kappa Advisor/Retention Specialist—B.S., Emporia State University; M.S., Emporia State University.

Neil Fobes, Title III Agriculture Technician —B.S., Cameron University.

Matthew Hamilton,— Instructional Design Coordinator—B.B.A. Southwestern Oklahoma State University.

Dennis Harris, Director of Records/Registrar—B.S., Oklahoma State University; M.S., Oklahoma State University; M.B.A., Oklahoma City University.


Tricia Hobson, Director of Enrollment Management—B.S., Oklahoma State University; M.Ed., Southwestern Oklahoma State University.

Karen Jeffers, Financial Aid Coordinator—A.A., Redlands Community College, B.A. University of
Barbara J. Knop Cox, Director of Developmental Education and Assessment—B.S., Oklahoma State University; M.S., Oklahoma State University.

Melinda King, Project Director of Aging Services—A.S., Northern Oklahoma College; B.S., Oklahoma State University.

Juanita Krittenbrink, Liberal Studies and Management Sciences Division Director/Instructor—B.A.Ed., University of Central Oklahoma; M.Ed., University of Central Oklahoma; Ed.D., University of Oklahoma.


Tamie McCabe, Project AIMS Basic Skills Specialist—B.S., Southwestern Oklahoma State University; M.Ed., Southwestern Oklahoma State University.

Kelly Lawrence, Coordinator for School Relations—A.A. Oklahoma City Community College; B.S. University of Central Oklahoma.

Troy Milligan, Director of Institutional Research and Administrative Technology—B.S.Ed., University of Oklahoma; M.Ed., University of Oklahoma.


Sam Nusz, Title III Agriculture Program Developer—B.S. Oklahoma State University.

G. Steve Osborn, Director of Project AIMS—A.A., Tulsa Community College; B.A., University of Oklahoma; M.Ed., University of Oklahoma.

Rebecca Ratterman, Interim Director of the Learning Resource Center/ Business Instructor—B.A., Southwestern Oklahoma State University; M.Ed., Southwestern Oklahoma State University.

Michael Raymond, Manufacturing Alliance Extension Agent.

Susan Schwarz, AIMS Counselor/Advisor—B.S., Southwestern Oklahoma State University; M.Ed., Southwestern Oklahoma State University.

Arlie Schroder- Coordinator for School Relations—A.A. Redlands Community; B.A. University of Oklahoma; M.Hr. University of Oklahoma.


Lori Vicsek, Nursing Program Director—B.S.N., University of Oklahoma; M.S.N., University of Oklahoma.

Tammy Wasson, GEAR-UP Coordinator—B.A., University of Oklahoma; M.S., Oklahoma State University.

Jackie Westin, Coordinator of Cooperative and Off-Campus Programs—B.S., University of Science and Arts of Oklahoma.

Sherry Wietelman, Business and Industry Coordinator—B.A. University of Central Oklahoma; B.S.
University of Central Oklahoma; M.S. Oklahoma State University.

FULL-TIME FACULTY

Terri Barger, Career Services Coordinator/Instructor—B.A., Southwestern Oklahoma State University, M.A. University of Oklahoma.

Peggy Clifton, Mathematics Instructor—B.S., Oklahoma Baptist University; M.Ed., Southwestern Oklahoma State University.

Carol Collins, Nursing Instructor – B.S.N., Northwestern Oklahoma State University; M.S.N., Wichita State University.

David Dalbow, Science Instructor—B.S., University of Oklahoma; Ph.D., University of Oklahoma.

Clay Elliott, Livestock Judging Team Coach & Agriculture Recruiter—A.S., Casper College; B.S., Colorado State University; M.S., Texas Tech University, Ph.D. Texas Tech University.

Amanda Evert, Title III Agriculture Program Developer/Instructor—A.S. Colby Community College, B.S. Oklahoma State University, M.S. Oklahoma State University.

R. Dale Fike, Business & Information Technology Instructor—A.A., Porterville College; B.A., Fresno State College; M.Ed., University at Buffalo.

Raymond Frazier, Chemistry Instructor—B.S. University of Dallas; B.S. University of Dallas; B.A. University of Houston; M.S. University of Oklahoma; Ph.D. University of Oklahoma.

William Gorden, Jr., Political Science Instructor—B.A., University of Oklahoma; M.A., University of Oklahoma; M.L.A., Oklahoma City University; J.D., Oklahoma City University School of Law.

Laura Gruntmeir, Child Development, Early Childhood Education, Psychology and Sociology Instructor—B.S., Kansas State University; M.H.R., University of Oklahoma; Ed.D., Oklahoma State University.

Linda Hasley, Communicative Arts Instructor—B.A., Southwestern Oklahoma State University; M.A., University of Oklahoma.

Todd Hobson, Criminal Justice Instructor—B.A., University of Central Oklahoma; M. Ed., University of Central Oklahoma.

Stephanie Jett, Nursing Instructor – B.S., MSN.

Ronald Klepper, Science Instructor—B.S., Oklahoma State University; M.Ed., University of Central Oklahoma.

Hope Knight, Nursing Instructor—A.A.S. Oklahoma State University-Oklahoma City; B.S.N., University of Oklahoma.

Justin Lynn, Agriculture Instructor—A.A.A., Dodge City Community College; B.S., Kansas State University.

Megan McClintock, Nursing Instructor—B.S.N., Oklahoma Baptist University.
Karla Mueggenborg, Communicative Arts Instructor—B.S., Oklahoma State University; M.Ed., University of Central Oklahoma.

Matt Newgent, Baseball Coach and HPER Instructor—A.A., Redlands Community College; B.A., University of Indianapolis; M.B.A., University of Indianapolis.

Martha Piper, Nursing Instructor—B.S.N., East Central University; M.S.N., University of Oklahoma.

Kelly Rupp, Communicative Arts Instructor—B.A., Pittsburgh State University; M.A., Pittsburgh State University.

Reonna Slagell Gossen, Science Instructor—B.S., Oklahoma State University; M.S., Oklahoma State University.

Andrew Snyder, Center for Excellence Viticulture and Enology Instructor—B.A. Schiller International University; M.A., M.E.d., M.H.R. University of Oklahoma.

Bruce Storm, Criminal Justice Instructor—B.S., University of Central Oklahoma; M.A., University of Central Oklahoma.

Robert Sweetland, Math and Science Instructor—B.A., Fort Lewis College; M.A.T., Colorado State University.

J. Michael Tabor, Social Science Instructor—A.A., Redlands Community College; B.S., University of Central Oklahoma; M.Ed., University of Central Oklahoma.

Laci Tompkins, Women’s Basketball Coach and Coordinator of Student Activities—B.A., University of Science and Arts of Oklahoma; B.S., University of Science and Arts of Oklahoma; M.Ed., University of Central Oklahoma.

Sarah Kristin Vincent, Women’s Volleyball Coach—B.S., University of Central Oklahoma.

Sandra Warren, Business and Information Technology Instructor—B.S., Southwestern Oklahoma State University; M.Ed., University of Central Oklahoma.

Denise Wynia-Wedel, Fine Arts Instructor and Gallery Curator—B.A., University of Central Oklahoma; M.A., University of Central Oklahoma.

Edward Zweiacher, Agriculture Instructor—A.A., Redlands Community College; B.S., Panhandle Oklahoma State University; M.S., Texas Tech University.

Eli Zucksworth, Fitness Trainer Coordinator and Head Athletic Trainer—M.S. Southeastern Oklahoma State University; B.S. Oklahoma State University.

**ADJUNCT FACULTY**

Jennifer Alig, Science Instructor—B.S., University of Oklahoma; M.S., University of Oklahoma.

Dr. Jack David Armold, Humanities Instructor—B.A. Southern Nazarene University; M.A. Northwestern University; Ph.D. University of Illinois; M. Div. New Orleans Baptist Theological Seminary.
Tammy Blatnick, Nursing Instructor—A.A.S., Redlands Community College; B.S.N. Southwestern Oklahoma State University; M.S.N. University of Oklahoma.

Meredith Baker, Science Instructor – B.S.Ed. University of Central Oklahoma, M.S. University of Oklahoma Health Science Center.

John Bridges, EMT Instructor — EMT Certificate.

Janet Britton, Developmental Mathematics Instructor—B.S., Northern Oklahoma College; M.A., Southwestern Oklahoma State University.

Michele M. Burris, English Instructor-B.A. University of Central Oklahoma, M.Ed. University of Central Oklahoma.

Richard Butts, EMT Instructor—EMT Certificate.

Karen Jo Bullock, Science Instructor – B.S., USAO, M.S., Southwestern Oklahoma State University.

Cindi L. Cary, Business Instructor—B.B.A. Texas Wesleyan College; M.B.A. Midwestern State University.

James G. Caster, Social Science Instructor—B.A., University of Oklahoma; B.A. Law, University of Oklahoma; B.A., Oklahoma City University; J.D., University of Oklahoma School of Law; Ph.D., University of New Mexico.

Larry Clements, Photography Instructor—Certificate, Oklahoma State University School of Technical Training; CGCM.

Francine Cline, Developmental Education Instructor—B.S., Southwestern Oklahoma State University; M.Ed., Southwestern Oklahoma State University.

Roger L. Coe, Business Instructor—B.B.A., Ohio University; M.B.A., University of Central Oklahoma.

Terry Corbett, Psychology Instructor—B.S., University of Central Oklahoma; M.A., Southern Nazarene University.

Virginia Crane, Physical Education Instructor—Certificate of Completion, National Dance–Exercise Instructors Training.

Jennifer L. Croy, Early Childhood/ Psychology Instructor—B.S. Oklahoma State University; M.S. Southwestern Oklahoma State University.

Jeff Croy, Mathematics Instructor—A.S. Redlands Community College; B.S. Oklahoma State University.


Tamara Dawson, Business Instructor—B.S., Southern Nazarene University; M.S.M., Southern Nazarene University.

Peggy DeWolfe, English Instructor—B.S., Oklahoma State University; M.A., Southern Nazarene University.
Carol Dillin, English/Humanities Instructor—A.A. Redlands Community College; B.A. University of Central Oklahoma; M.A. University of Central Oklahoma.

Cheryl L. Ditmore, English Instructor—B.S. Oklahoma State University.

Betty J. Dobry, English Instructor—A.A., Northern Oklahoma College; B.A., University of Central Oklahoma; M.A., University of Central Oklahoma.

Darlette Edwards, Mathematics Instructor—B.S. University of Central Arkansas.

James Eischen, D.V.M., Equine Instructor—B.S., Oklahoma State University; D.V.M., Oklahoma State University.

Michael Emilio, EMT Instructor—Paramedic License Redlands Community College.

Sean Ensz, Criminal Justice Instructor—B.S. Oklahoma State University.

Jamie Evans, Developmental Studies Instructor—B.A., University of Oklahoma; M.Ed., Southwestern Oklahoma State University.

Jay C. Evans, Sociology Instructor—B.S. University of Central Oklahoma.

Karen Evans, Science Instructor—B.S.Ed. East Central University, M.Ed. East Central University.

Val Evans, Child Development and Early Childhood Education Instructor—B.S. Oklahoma State University; M.S. Oklahoma State University.

Larry Fisher, Developmental Mathematics Instructor—B.S., Southwestern Oklahoma State University; M.Ed., University of Central Oklahoma.

Roger French, Psychology Instructor—A.A. Hutchinson Junior College, B.S.E. Emporia State University, M.S.E. Emporia State University, Ed.D Oklahoma State University.

Jennifer Garvin, Physical Education Instructor—A.A. Redlands Community College, NETA Group Exercise Instructor Certification.


Sarah S. Gillespie, Business Instructor—B.S. West Virginia State College.


Dana Golbek, Mathematics Instructor—B.S. Ed., Northwestern Oklahoma State University.

Allen Graybill, Business Instructor—B.S., Southwestern Oklahoma State University.

Melissa G. Handke, Political Science—Juris Doctor Oklahoma University School of Law, B.S. University of Phoenix.

Dennis Harris, History Instructor—B.S. Oklahoma State University; M.S. Oklahoma State University; M.B.A. Oklahoma City University.
Kevin K. Hawk, English Instructor—B.A. Southern Nazarene University.

Greg Hau, Emergency Medical Technology Instructor—A.A.S., Oklahoma City Community College.

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