



**Reedley  
College**

**2010-2012 Catalog  
ADDENDUM**

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# Reedley College

Willow International Center • Madera Center • Oakhurst Center

## 2010 - 2012 Catalog ADDENDUM



995 N. Reed Avenue • Reedley, CA 93654 • [www.reedleycollege.edu](http://www.reedleycollege.edu)

A public two-year college of the  
State Center Community College District  
Accredited by the Western Association of Schools and Colleges

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# ACADEMIC REGULATIONS

## **Course Repetition**

An open-door college should provide ample opportunity for students to succeed. Since the community college admits students with a diverse range of abilities, aspirations and interests, the college must provide sufficient flexibility in its policies to enable a student to overcome a poor academic record. While the college must have a balance between policy flexibility and the maintenance of academic regulations so as to ensure grade standards throughout the curricula, this flexibility cannot be allowed to abrogate the individual student's educational responsibility.

### **Alleviation of Substandard Grades**

Substandard work, i.e., grades of *D*, *F* or *NP*, not reflective of a student's present level of scholastic performance, may be alleviated and disregarded in the computation of grade point averages. It is expected that students will alleviate substandard work by repeating, i.e., retaking the course(s) in which grades of *D*, *F* or *NP* are earned. Course work that is still appropriate for the student's present educational objectives may be alleviated only by repetition. Course work inappropriate for repetition may be alleviated without repetition by the student making formal application to the Academic Standards Committee through the Office of Admissions and Records. When academic work is alleviated, whether by repetition or without repetition, the permanent records shall be appropriately annotated in a manner to ensure that all entries are legible and that a true and complete record is maintained.

### **Alleviation by Repetition of a Course for a Better Grade**

For the purpose of this policy, "extenuating circumstances" are taken to mean verified cases of accidents, illness, or other circumstances beyond the control of the student, as determined by the college/center.

### ***Repetition of courses not designated as repeatable***

Students may repeat a course for which they have earned substandard grades (less than a "C" and including "NP" or "NC") a maximum of two times without petition to the Academic Standards Committee. Students may petition the Academic Standards Committee to repeat a course for which three substandard grades have been assigned. The first two

substandard grades will be excluded in computing the GPA if the student repeats the class two or more times. The student's academic record will be marked so that all grades remain legible, ensuring a true and complete academic history. A student who has completed a course with a substandard grade at another accredited college or university may repeat the equivalent course in the State Center Community College District. The District will honor courses repeated successfully ("C" or better) at another accredited college or university

### ***Repetition of courses designated as repeatable***

If a student repeats a repeatable course in which a substandard grade has been recorded, the District will exclude no more than two previous substandard grades.

### ***Petition to repeat a course for improvement of an unsatisfactory grade***

A student may submit a petition to the Academic Standards Committee for an additional repetition. No state funding (FTES) may be claimed for this additional repetition. Only the first two substandard grades may be disregarded in the computation of the grade point average (i.e., the grade earned in the fourth or more attempt will be averaged with the third grade in computing the cumulative grade point average).

### ***Repetition of courses with a Non-Evaluative Symbol***

Students may repeat a course for which they have a mark of "W" recorded not to exceed three times. A "W" mark is recorded for a withdrawal from a course after the census point or 30% of the semester (whichever is less) and before the end of the ninth week or 50% of the semester.

#### ***Exceptions:***

In extenuating circumstances, a student may submit a petition to the Academic Standards Committee for an additional repetition. No state funding (FTES) may be claimed for this additional repeat.

### *Repetition of Courses with a Non-Standard Grade*

A course in which a grade of “C” or better (including “P” or “CR”) was earned may be repeated when circumstances exist which justify such a repetition. Students must petition the Academic Standards Committee for approval. If the petition is approved and a student completes the course, the course and grade will be listed on the academic record, but will be coded with a symbol indicating the course is excluded in the computation of the grade point average.

Reasons for such repetition include but are not limited to:

- significant lapse in time (as determined by the college)
- change in technology;
- re-certification / training requirements, or other justifiable reasons.

### *Repeatable Courses*

Some courses are progressive in nature and provide an expanded education experience when repeated. These courses are identified in the college catalog indicating the maximum allowable repetitions.

### *Legally Mandated Training*

Course repetition is allowed when the repetition is necessary for a student to meet a legally mandated training requirement as a condition of continued paid or volunteer employment. Such courses may be repeated for credit, and the grades and units received each time shall be included for purposes of calculating the student’s grade point average. A student must present documentation that course repetition is necessary to complete legally mandated training. The District may claim apportionment each time the student repeats the course.

### *Disabled Students*

Course repetition for disabled students is subject to the course repetition limitation; however, additional repetitions may be authorized under the following circumstances:

- When continuing success of the student in other general and/or special classes
- is dependent on additional repetitions of a specific classes,
- When additional repetitions of a specific special class are essential in completing a student’s preparation for enrollment into other regular or special classes, or
- When the student has a student educational contract which involves a goal other than completion of the special class in question and repetition of the course will further achievement of that goal.

## **Probation and Dismissal**

### **Readmission Following Academic/Progress Dismissal**

Following a student’s first dismissal, he/she will not be enrolled at a district college for the entire subsequent semester, excluding the summer sessions.

A student who has been dismissed because of the district’s academic or progress dismissal policy must petition for readmission. The dismissed student must complete the readmission petition at the College or Center he/she plans to attend. Petitions are available at the College/Center Admissions and Records Office.

If a readmitted student fails to complete more than fifty percent (50%) of all units attempted and fails to maintain a semester GPA of at least 2.00 in all completed courses of the first semester of readmission following his/her initial dismissal, the student will be dismissed again. This second dismissal will be for a period of one year, excluding summer sessions. After this dismissal period of one year, a student may again petition for readmission.

A student readmitted after the second dismissal who fails to meet these same academic and progress standards during the first semester of readmission will be dismissed again. This third dismissal will be for a period of two years. After this dismissal period of two years, a dismissed student may again petition for readmission.

The dismissed student’s petition for readmission requires the dismissed student to address the academic and/or progress deficiencies which led to dismissal from the college. It also includes an educational plan developed by a counselor in consultation with the dismissed student. The petitioning student must sign the readmission petition to acknowledge this educational plan he/she needs to complete to remain in college. Unit limitations and course selection for readmitted students will be determined by a counselor. Upon approval by the college counselor reviewing the petition, a dismissed student may be readmitted to the college subject to the conditions specified in this section.

A student readmitted after any period of dismissal will be readmitted on academic and/or progress probation and, unless dismissed again, will continue on academic and/or progress probation until he/she has completed more than 50% of all units attempted and his/her cumulative grade point average is 2.00 or higher.

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# TRANSFER INFORMATION & REQUIREMENTS

## **Reedley College CSU General Education—Breadth 2010-2011**

### **Area C: Arts, Literature, Philosophy and Foreign Language**

*Change: add new courses*

- **Area C2:** Humanities  
Chinese 1, 2  
English 43A, 43B

### **Area D: Social, Political and Economic Institutions and Behavior, Historical Background**

*Change: add new courses*

- **Area D0-D9:** Social and Behavioral Sciences  
Geography 40A, 40B

## **University of California Transfer Course Agreement 2009-2010**

Reedley College courses that are acceptable for transfer credit at the University of California:

*Change: add new courses*

Dance 9  
English 43A, 43B  
Physical Education 29

## **Reedley College Intersegmental General Education Transfer Curricula (IGETC) 2010-2011**

*Change: add new courses*

### **Area 3: Arts and Humanities.**

- **3B:** Humanities  
English 43A, 43B

# GAINFUL EMPLOYMENT

Division	C	C	C
RC Program Code	R.2010.CA	R.1020.CA	R.1010.CA
Department	Accounting	Agriculture	Agriculture
DOE CIP Code	52.0301	01.0101	01.0000
CIP Code Program Description	Accounting	Agricultural Business & Management, General	Agriculture, General
Program Name (if Different than CIP)	Accounting	Agriculture Business	General Agriculture
Level 01 =UNDERGRAD CERT	01	01	01
Program Length (months)	9	9	9
SOC Codes	43-3000	43-3000	45-2099
Related Occupations	Accounts Payable/ Receivable Clerk, Accounting Clerk, Payroll Clerk	Accounting Clerks, Sales Agents, Production Management, Marketing and Sales Managers, Supervisors of Farm Labor, Customer Service Representative	Livestock Herdsperson, Animal Caretaker, Agricultural Inspectors, Grades & Sorters- Agricultural Product
Units	21	29	21
Tuition and Fees (for the entire program)	\$792.00	\$1,080.00	\$792.00
Books and Materials Cost	\$1,155.00	\$1,595.00	\$1,155.00
Additional Program Fees	\$0.00	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00	\$4,630.00
URL (website)			
Number of students COMPLETING the program	5	4	1
% COMPLETERS with debt	0	1	1
Fed Student Loan Debt	\$0.00	\$4,254.00	\$12,500.00
Private Loan Debt	\$0.00	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00	\$0.00
Normal time completion (in MONTHS)	9	9	9
Number of students who completed in Normal time	1	0	0

Division	A	A
RC Program Code	R.8050.CA	R.801A.CA
Department	Automotive Technology	Aviation Maintenance Technology
DOE CIP Code	47.0604	47.0607
CIP Code Program Description	Automobile/Automotive Mechanics Technology/ Technician	Airframe Mechanics and Aircraft Maintenance Technology/Technician
Program Name (if Different than CIP)	Automotive Technician Program	Airframe
Level 01 =UNDERGRAD CERT	01	01
Program Length (months)	9	21
SOC Codes	49-3020	49-3011
Related Occupations	Automotive Parts Industry, Automotive Parts Installer, Automotive Repair Technician Engine Rebuilder, Fleet Mechanic, Service Advisor, Drivability Technician, Smog Check Technician, Agriculture Equipment Repair, Maintenance Mechanic	Aircraft sheetmetal fabricator, Aircraft hydraulic systems repairman, Aircraft composite repairman, Avionics installer, Airframe maintenance technician, Aircraft painter, Aircraft line mechanic, Aircraft interior specialist, Aircraft parts technician, Aircraft non-destructive testing technician
Units	32	52.5
Tuition and Fees (for the entire program)	\$1,188.00	\$1,926.00
Books and Materials Cost	\$1,760.00	\$2,887.50
Additional Program Fees	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00
URL (website)		
Number of students COMPLETING the program	27	9
% COMPLETERS with debt	3	2
Fed Student Loan Debt	\$2,633.33	\$6,198.50
Private Loan Debt	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00
Normal time completion (in MONTHS)	9	21
Number of students who competed in Normal time	20	9

Division	B
RC Program Code	R.8010.CA
Department	Aviation Maintenance Technology
DOE CIP Code	47.0609
CIP Code Program Description	Avionics Maintenance Technology/Technician
Program Name (if Different than CIP)	Aviation Maintenance Technology
Level 01 =UNDERGRAD CERT	01
Program Length (months)	21
SOC Codes	49-3011
Related Occupations	Aircraft sheetmetal fabricator, Aircraft hydraulic systems repairman, Aircraft composite repairman, Avionics installer, Airframe maintenance technician, Aircraft painter, Aircraft line mechanic, Aircraft interior specialist, Aircraft parts technician, Aircraft non-destructive testing technician, Aircraft engine overhaul technician, Fuel metering system repairman, Aircraft engine component repairman, Propeller repair technician, Powerplant maintenance technician, Powerplant non-destructive testing technician
Units	70
Tuition and Fees (for the entire program)	\$2,556.00
Books and Materials Cost	\$3,850.00
Additional Program Fees	\$0.00
Room and Board	\$4,630.00
URL (website)	
Number of students COMPLETING the program	9
% COMPLETERS with debt	2
Fed Student Loan Debt	\$5,750.00
Private Loan Debt	\$0.00
Institutional Plan Debt	\$0.00
Normal time completion (in MONTHS)	21
Number of students who competed in Normal time	7

Division	B	C
RC Program Code	R.801B.CA	R.204E.CA
Department	Aviation Maintenance Technology	Business Administration
DOE CIP Code	47.0608	52.0201
CIP Code Program Description	Aircraft Powerplant Technology/Technician	Business Administration and Management, General
Program Name (if Different than CIP)	Powerplant	Business Intern
Level 01 =UNDERGRAD CERT	01	01
Program Length (months)	17	9
SOC Codes	49-3011	11-0000
Related Occupations	Aircraft engine overhaul technician, Fuel metering system repairman, Aircraft engine component repairman, Propeller repair technician, Powerplant maintenance technician, Powerplant non-destructive testing technician	Small Business Managers, Advertising, marketing, promotions, public relations & sales managers, food service managers, human resource managers, hospitality managers, medical & health services managers, property, real estate, & community association managers, purchasing managers, buyers & purchasing agents
Units	52.5	18
Tuition and Fees (for the entire program)	\$1,926.00	\$684.00
Books and Materials Cost	\$2,887.00	\$990.00
Additional Program Fees	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00
URL (website)		
Number of students COMPLETING the program	12	0
% COMPLETERS with debt	2	0
Fed Student Loan Debt	\$3,948.50	\$0.00
Private Loan Debt	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00
Normal time completion (in MONTHS)	17	9
Number of students who competed in Normal time	10	0

Division	C
RC Program Code	R.204B.CA
Department	Business Administration
DOE CIP Code	52.0299
CIP Code Program Description	Business/Managerial Operations, Others
Program Name (if Different than CIP)	Hospitality Management
Level 01 =UNDERGRAD CERT	01
Program Length (months)	9
SOC Codes	11-0000
Related Occupations	Small Business Managers, Advertising, marketing, promotions, public relations & sales managers, food service managers, human resource managers, hospitality managers, medical & health services managers, property, real estate, & community association managers, purchasing managers, buyers & purchasing agents Small Business Managers, Advertising, marketing, promotions, public relations & sales managers, food service managers, human resource managers, hospitality managers, medical & health services managers, property, real estate, & community association managers, purchasing managers, buyers & purchasing agents
Units	18.5
Tuition and Fees (for the entire program)	\$702.00
Books and Materials Cost	\$1,017.50
Additional Program Fees	\$0.00
Room and Board	\$4,630.00
URL (website)	
Number of students COMPLETING the program	0
% COMPLETERS with debt	0
Fed Student Loan Debt	\$0.00
Private Loan Debt	\$0.00
Institutional Plan Debt	\$0.00
Normal time completion (in MONTHS)	9
Number of students who completed in Normal time	0

Division	C	C
RC Program Code	R.2180.CA	R.2030.CA
Department	Business Administration	Business Administration
DOE CIP Code	52.0204	52.0299
CIP Code Program Description	Office Management and Supervision	Business Administration, Management and Operations, Other
Program Name (if Different than CIP)	Managerial Assistant	Small Business Management
Level 01 =UNDERGRAD CERT	01	01
Program Length (months)	9	17
SOC Codes	11-0000	11-0000
Related Occupations	Small Business Managers, Advertising, marketing, promotions, public relations & sales managers, food service managers, human resource managers, hospitality managers, medical & health services managers, property, real estate, & community association managers, purchasing managers, buyers & purchasing agents	Small Business Managers, Advertising, marketing, promotions, public relations & sales managers, food service managers, human resource managers, hospitality managers, medical & health services managers, property, real estate, & community association managers, purchasing managers, buyers & purchasing agents
Units	19	26
Tuition and Fees (for the entire program)	\$720.00	\$972.00
Books and Materials Cost	\$1,045.00	\$1,430.50
Additional Program Fees	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00
URL (website)		
Number of students COMPLETING the program	0	1
% COMPLETERS with debt	0	0
Fed Student Loan Debt	\$0.00	\$0.00
Private Loan Debt	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00
Normal time completion (in MONTHS)	9	17
Number of students who competed in Normal time	0	0

Division	B	B	B	B
RC Program Code	R.561C.CA	R.5610.CA	R.561R.CA	R.561D.CA
Department	Child Development	Child Development	Child Development	Child Development
DOE CIP Code	19.0706	19.0706	13.1015	13.0101
CIP Code Program Description	Child Development	Child Development	Education/Teaching of Individuals in Early Childhood Special Education Programs	Education, General
Program Name (if Different than CIP)	Child Care for School Age Children-Teacher	Child Development	Early Intervention Assistant	Paraprofessional-48 unit option
Level 01 =UNDERGRAD CERT	01	01	01	01
Program Length (months)	9	9	17	21
SOC Codes	25-2000	25-9041	25-9041	25-9041
Related Occupations	After School - age program, after-school program or camp.	Preschool teacher, teachers assistant	Asst. Teacher in a special needs classroom	Part-time aid in Elementary Age classroom with school district.
Units	24	24	29	48
Tuition and Fees (for the entire program)	\$900.00	\$900.00	\$1,080.00	\$1,764.00
Books and Materials Cost	\$1,320.00	\$1,320.00	\$1,595.00	\$2,640.00
Additional Program Fees	\$0.00	\$0.00	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00	\$4,630.00	\$4,630.00
URL (website)				
Number of students COMPLETING the program	0	17	1	0
% COMPLETERS with debt		0	0	0
Fed Student Loan Debt		\$0.00	\$0.00	\$0.00
Private Loan Debt	\$0.00	\$0.00	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00	\$0.00	\$0.00
Normal time completion (in MONTHS)	9	9	17	21
Number of students who competed in Normal time	0	1	0	0

Division	B	A	A	A	A
RC Program Code	R.561P.CA	R.888B.CA	R.888A.CA	R.4540.CA	R.7420.CA
Department	Child Development	Criminology	Criminology	Dental Assisting	Human Services
DOE CIP Code	13.0101	43.0102	43.0107	51.0601	44.0000
CIP Code Program Description	Education, General	Corrections	Criminal Justice/ Police Science	Dental Assisting/ Assistant	Human Services, General
Program Name (if Different than CIP)	Paraprofessional-60 unit option	Criminology-Corrections	Criminology-Law Enforcement	Dental Assisting	Human Services
Level 01 =UNDERGRAD CERT	01	01	01	01	01
Program Length (months)	21	17	17	14	9
SOC Codes	25-3099	33-3010	33-3000	31-9091	21-1020
Related Occupations	Aid in Elementary Age classroom with school district, tutor, school age program teacher.	Correctional Officer, Bailiff, Jailer	Police Officer, Criminal Investigator, Detective, Security Guard	Orthodontic Ass't; Registered Dental Ass't; Oral Surgeon Ass't; Periodontis Ass't; Pedodontic Ass't; Endodontic Ass't	Entry level social service worker
Units	60	36	39	38	17
Tuition and Fees (for the entire program)	\$2,196.00	\$1,332.00	\$1,440.00	\$1,404.00	\$648.00
Books and Materials Cost	\$3,300.00	\$1,980.00	\$2,145.00	\$2,090.00	\$935.00
Additional Program Fees	\$0.00	\$0.00	\$0.00	\$1,230.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00	\$4,630.00	\$4,630.00	\$4,630.00
URL (website)					
Number of students COMPLETING the program	0	3	2	59	0
% COMPLETERS with debt	0	0	0	11	0
Fed Student Loan Debt	\$0.00	\$0.00	\$0.00	\$3,355.00	\$0.00
Private Loan Debt	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Normal time completion (in MONTHS)	21	17	17	14	9
Number of students who competed in Normal time	0	2	0	58	0

Division	C	C	C
RC Program Code	R.693E.CA	R.6930.CA	R.693B.CA
Department	Information Systems	Information Systems	Information Systems
DOE CIP Code	11.9999	11.0103	11.9999
CIP Code Program Description	Information Technology	Information Technology	Information Technology
Program Name (if Different than CIP)	Help Desk	Information Systems	Networking
Level 01 =UNDERGRAD CERT	01	01	01
Program Length (months)	9	9	9
SOC Codes	43-9000	15-1100	15-1100
Related Occupations	Data Entry, Sales, Quality Assurance (QA), Tester, Technical Support, technical specialist	Computer software engineer, applications software engineer, Biomedical engineer, computer systems analyst, database engineer, database administrator	Network systems and communication analyst, Network engineer, network specialist, Computer network technologist, Network defense engineer, Computer Network exploitation analyst, Computer network manager
Units	20	23	21.5
Tuition and Fees (for the entire program)	\$756.00	\$864.00	\$810.00
Books and Materials Cost	\$1,100.00	\$1,265.00	\$1,182.00
Additional Program Fees	\$0.00	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00	\$4,630.00
URL (website)			
Number of students COMPLETING the program	0	1	0
% COMPLETERS with debt	0	0	0
Fed Student Loan Debt	\$0.00	\$0.00	\$0.00
Private Loan Debt	\$0.00	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00	\$0.00
Normal time completion (in MONTHS)	9	9	9
Number of students who competed in Normal time	0	0	0

Division	C	C	A	A
RC Program Code	R.693C.CA	R.693D.CA	R.838A.CA	R.837A.CA
Department	Information Systems	Information Systems	Manufacturing Technology	Manufacturing Technology
DOE CIP Code	11.9999	11.0801	48.0501	48.0508
CIP Code Program Description	Information Technology	Web Page, Digital/Multimedia and Information Resources Design	Machine Tool Technology/Machinist	Welding Technology/Welder
Program Name (if Different than CIP)	Programming for the Web	Web Design	Machinist Certificate	Welder
Level 01 =UNDERGRAD CERT	01	01	01	01
Program Length (months)	9	9	17	17
SOC Codes	15-1134	15-1134	51-4040	51-4120
Related Occupations	Website design and development, Design engineer for web applications, web design analyst	Sports and media design specialist, Design coordinator, Front end web design and development	Machinist, CNC Operators, CNC Programers, CNC Setters	Welder, Cutter, Solderers, Brazers, Fabricator
Units	21.5	24.5	24	24
Tuition and Fees (for the entire program)	\$810.00	\$918.00	\$900.00	\$900.00
Books and Materials Cost	\$1,182.00	\$1,347.00	\$1,320.00	\$1,320.00
Additional Program Fees	\$0.00	\$0.00	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00	\$4,630.00	\$4,630.00
URL (website)				
Number of students COMPLETING the program	0	1	10	13
% COMPLETERS with debt	0	0	5	6
Fed Student Loan Debt	\$0.00	\$0.00	\$4,250.00	\$2,636.67
Private Loan Debt	\$0.00	\$0.00	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00	\$0.00	\$0.00
Normal time completion (in MONTHS)	9	9	17	17
Number of students who competed in Normal time	0	0	8	13

Division	C	C	C
RC Program Code	R.8180.CA	R.6830.CA	R.1102.CA
Department	Mechanized Agriculture	Natural Resources	Natural Resources
DOE CIP Code	01.0201	03.0501	03.0511
CIP Code Program Description	Agricultural Mechanization, General	Forestry, General	Forestry Technology/ Technician
Program Name (if Different than CIP)	Mechanized Agriculture	Forest Surveying Technology	Forest Technology
Level 01 =UNDERGRAD CERT	01	01	01
Program Length (months)	9	9	9
SOC Codes	49-3000	45-4011	45-4020
Related Occupations	First-Line Supervisors of Mechanics, Installers & Repairers, Bus & Truck Mechanics & Diesel Engine Specialists, Heavy Vehicle & Mobile Equipment Service Technicians & Mechanics, Farm Equipment Mechanics & Service Technicians, Mobile Heavy Equipment Mechanics, Except Engines, Rail Car Repairers	Forest & Conservation Workers, Foresters	Forest & Conservation Workers, Logging Equipment Operators, Log Graders & Scalers, Logging Workers
Units	40	23	22
Tuition and Fees (for the entire program)	\$1,476.00	\$864.00	\$828.00
Books and Materials Cost	\$2,200.00	\$1,265.00	\$1,210.00
Additional Program Fees	\$0.00	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00	\$4,630.00
URL (website)			
Number of students COMPLETING the program	27	5	7
% COMPLETERS with debt	2	1	1
Fed Student Loan Debt	\$3,500.00	\$3,500.00	\$3,500.00
Private Loan Debt	\$0.00	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00	\$0.00
Normal time completion (in MONTHS)	9	9	9
Number of students who competed in Normal time	3	0	0

Division	C	C	C
RC Program Code	R.1105.CA	R.1103.CA	R.1104.CA
Department	Natural Resources	Natural Resources	Natural Resources
DOE CIP Code	03.0511	03.0599	03.0299
CIP Code Program Description	Forestry Technology/ Technician	Forestry, Other	Natural Resources Management and Policy, Other
Program Name (if Different than CIP)	Forestry Technician Firefighting Emphasis	Natural Resources Training and Applied Work Exp	Recreation & Interpretation Techniques
Level 01 =UNDERGRAD CERT	01	01	01
Program Length (months)	9	9	9
SOC Codes	33-2000	45-4011	45-3000
Related Occupations	Firefighters, Forest Fire Inspectors & Prevention Specialists	Forest & Conservation Workers, Foresters	Forest & Conservation Workers, Foresters, Fish & Game Warden
Units	21	24	22
Tuition and Fees (for the entire program)	\$792.00	\$900.00	\$828.00
Books and Materials Cost	\$1,155.00	\$1,320.00	\$1,210.00
Additional Program Fees	\$0.00	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00	\$4,630.00
URL (website)			
Number of students COMPLETING the program	4	9	2
% COMPLETERS with debt	1	1	0
Fed Student Loan Debt	\$3,500.00	\$3,500.00	\$0.00
Private Loan Debt	\$0.00	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00	\$0.00
Normal time completion (in MONTHS)	9	9	9
Number of students who completed in Normal time	0	0	0

Division	B	B	C
RC Program Code	R.4530.CA	R.4520.CA	R.226B.CA
Department	Nursing	Nursing	Office Technology
DOE CIP Code	51.1613	51.3801	52.0401
CIP Code Program Description	Licensed Practical/Vocational Nurse Training (LPN, LVN, Cert., Dipl, AAS)	Nursing/Registered Nurse	Administrative Assistant and Secretarial Science, General
Program Name (if Different than CIP)	Licensed Vocational Nursing	Registered Nurse	Administrative Assistant
Level 01 =UNDERGRAD CERT	01	01	01
Program Length (months)	17	9	9
SOC Codes	29-2061	29-1141	43-6000
Related Occupations	Licensed Vocational Nurse,Health Technologists and Technicians and Healthcare Practitioners and Technical Occupations	Registered Nurse, Health Diagnosing and Treating Practitioners and Healthcare Practitioners and Technical Occupatoinis	Secretary, office clerk, office assistant, receptionist, file clerk
Units	45	25	23.5
Tuition and Fees (for the entire program)	\$1,656.00	\$936.00	\$882.00
Books and Materials Cost	\$2,475.00	\$1,375.00	\$1,292.00
Additional Program Fees	\$0.00	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00	\$4,630.00
URL (website)			
Number of students COMPLETING the program	25	0	3
% COMPLETERS with debt	11	0	0
Fed Student Loan Debt	\$4,158.00	\$0.00	\$0.00
Private Loan Debt	\$0.00	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00	\$0.00
Normal time completion (in MONTHS)	17	9	9
Number of students who competed in Normal time	25	0	0

Division	C	C	C
RC Program Code	R.2023.CA	R.2021.CA	R.1073.CA
Department	Office Technology	Office Technology	Plant Science
DOE CIP Code	52.0401	52.0401	01.0304
CIP Code Program Description	Administrative Assistant and Secretarial Science, General	Administrative Assistant and Secretarial Science, General	Crop Production
Program Name (if Different than CIP)	Medical Administrative Assistant	Office Assistant	Irrigation/Fertility Technician
Level 01 =UNDERGRAD CERT	01	01	01
Program Length (months)	09	9	9
SOC Codes	43-6013	43-9061	19-4011
Related Occupations	Medical secretary, appointment secretary, office clerk, file clerk, medical coding/billing clerk/assistant	Secretary, office clerk, office assistant, receptionist, file clerk	Agronomist, Pest Control Advisor, Farm Manager, Farm Technician, Agricultural Sales, Government Agency
Units	23	17	17
Tuition and Fees (for the entire program)	\$864.00	\$648.00	\$648.00
Books and Materials Cost	\$1,265.00	\$935.00	\$935.00
Additional Program Fees	\$0.00	\$0.00	\$0.00
Room and Board	\$4,630.00	\$4,630.00	\$4,630.00
URL (website)			
Number of students COMPLETING the program	14	28	4
% COMPLETERS with debt	4	2	1
Fed Student Loan Debt	\$4,875.00	\$5,750.00	\$4,254.00
Private Loan Debt	\$0.00	\$0.00	\$0.00
Institutional Plan Debt	\$0.00	\$0.00	\$0.00
Normal time completion (in MONTHS)	9	9	9
Number of students who competed in Normal time	1	2	0

# CERTIFICATE & DEGREE REQUIREMENTS

## Requirements for AA and AS Degrees

8. Familiarity with computer concepts and computer use, demonstrated by completing with a grade of "C" (2.0) or better one of the following:

**Change: removed deleted Art 137A, 138 courses, added new courses effective fall 2011**

- (a) Information Systems 60, 61, 62, 63, 64
10. Two physical education and/or dance classes. Exceptions will be considered for those students who are veterans with at least one year of active military service, P.O.S.T. program candidates, Basic Fire Academy graduates, or who submit a physician's statement certifying that they are not physically able to participate in physical education classes. Physical education courses that will meet this requirement are

**Change: added new courses**

- Dance 10, 14
12. A minimum of **nineteen (19)** units in general education, including at least three (3) units in each of areas (A), (B), and (C), and 4 units area (D.1) and 3 units in area (D.2).

## General Education for the Associate Degree:

### Area A - Natural Sciences

**(3 units)**

Astronomy 10 (formerly Science 3);

Chemistry 9 (fall 2011)

### Area B - Social and Behavioral Sciences

**(6 units)**

**Change: added new courses**

2. Other Social and Behavioral Sciences (3 units)

Geography 40A, 40B;

Psychology 45

### Area C - Humanities (3 units)

**Change: added new courses**

Chinese 1, 2;

English 43A, 43B

Film 2A

Philosophy 1CH

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# STUDENT SUPPORT SERVICES

## **Financial Aid**

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Units earned from credit-by-exam courses are not counted for financial aid or veterans benefits eligibility. No financial aid of any kind is available for credit by exam.

# COURSE DESCRIPTION INFORMATION

## Course Number and/or Department Changes

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Old	New
Information Systems 5	Information Systems 61
Information Systems 29	Information Systems 60
Science 3	Astronomy 10

## Deleted Courses (from 2010-2012 Catalog)

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### *Effective Spring 2011*

Mathematics 20	Scientific and Technical Calculations
Mathematics 257	Integrated Arithmetic and Algebra
Mathematics 260B	Arithmetic Review: Fractions
Office Technology 4	Machine Transcription
Office Technology 8	Practicum in Customer Relations
Office Technology 11B	Corel WordPerfect Essentials
Office Technology 27	Medical Transcription
Office Technology 122	Keyboarding Improvement
Registered Nursing 76	Complex Obstetrical Nursing
Registered Nursing 86	Advanced Nursing Concepts Across the Lifespan

### *Effective Fall 2011*

Art 10X	Beginning Ceramics
Art 20X	Intermediate Ceramics
Art 137A	Photoshop: Digital Visual Art
Art 138	Painter: Computer Digital Imaging

# ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

*Change: mistakenly left out of printed catalog*

## CRIMINAL JUSTICE

### CERTIFICATE OF ACHIEVEMENT

Purpose: The Criminal Justice Program is designed for those students interested in employment and/or further education in all aspects of the criminal justice system, including law enforcement, criminology, courts, corrections, probation and parole, juvenile authority, private and industrial security, and other related fields.

The Reedley College Criminal Justice Program offers two specific options for which Certificates of Achievement may be earned: Law Enforcement Option and the Corrections Option.

There are also courses offered which are designed to meet the needs and desires of concerned and/or interested citizens regarding personal safety and protection. Some of these courses are offered on a short-term basis or on an as needed basis and are predicated on minimum enrollment.

#### Option 1: Law Enforcement

CRIM 1	Introduction to Criminology.....	3
CRIM 2	Traffic Control .....	3
CRIM 3	Legal Aspects of Evidence .....	3
CRIM 4	Principles and Procedures of the Justice System.....	3
CRIM 5	Community Relations .....	3
CRIM 6A	Criminal Law .....	3
CRIM 6B	Criminal Law .....	3
CRIM 7A	Police Operations and Procedures.....	3
CRIM 7B	Police Operations and Procedures.....	3
CRIM 8	Criminal Investigation .....	3
CRIM 10	Vice Control .....	3
CRIM 12	Criminal Justice Communications.....	3
CRIM 14	Multi-Cultural Issues within Public Safety .....	3
	Total Units	39

#### Option 2: Corrections

CRIM 1	Introduction to Criminology.....	3
CRIM 3	Legal Aspects of Evidence .....	3
CRIM 4	Principles and Procedures of the Justice System.....	3
CRIM 5	Community Relations .....	3
CRIM 6A	Criminal Law .....	3
CRIM 6B	Criminal Law .....	3
CRIM 8	Criminal Investigation .....	3
CRIM 11	Juvenile Delinquency .....	3
CRIM 12	Criminal Justice Communications...	3
CRIM 14	Multi-Cultural Issues Within Public Safety .....	3
CRIM 20	Introduction to Corrections .....	3
CRIM 28	Probation and Parole .....	3
	Total Units	36

*Advisors: G. Elliott (Willow International/Madera),  
Cartwright*

**THE FOLLOWING CHANGES ARE  
EFFECTIVE SPRING 2011**

# ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

## DEVELOPMENTAL SERVICES

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***New certificate***

CERTIFICATE IN DEVELOPMENTAL SERVICES  
CERTIFICATE IN LIFE SKILLS

The purpose of this certificate is to prepare students with a range of disabilities for greater independence and participation in their community. The student will learn the practical skills necessary for increasing their independence, ability to integrate more fully and take an active role within their community.

<b>Core Courses</b> .....	<b>10</b>
DEVSER 212 Health Management .....	2
DEVSER 213 Communication and Advocacy .....	2
DEVSER 214 Government Basics .....	2
DEVSER 262 Group Interaction for Students with Disabilities .....	2
DEVSER 277 Adapted Computer Literacy .....	2

**Select one of the following emphasis:**

Community Emphasis Certificate

Upon completing this certificate the student will be able to:

- Articulate awareness about their rights and responsibilities in being a contributing citizen within their community.
- Demonstrate appropriate interaction skills in social settings.
- Demonstrate awareness of their individual health and life management needs.

**Community Emphasis - chose a minimum of 6 units** .....

DEVSER 240 Transition to College for Students with Disabilities .....	1
DEVSER 270 Money Skills .....	2
DEVSER 271 Life Skills .....	2
DEVSER 272 Consumer Skills .....	2
DEVSER 273 Independent Living Skills .....	2

Workability Emphasis

Upon completing this certificate the student will be able to:

- Complete employment applications, cover letters and resumes specific to identified open positions they choose to apply for.
- Demonstrate work readiness skills in time management, social interactions, attitude and personal presentation.
- Actively participate in completing the necessary steps to obtain employment.

**Workability Emphasis - chose a minimum of 6 units** .....

DEVSER 250 Workability Assessment and Career Awareness .....	3
DEVSER 251 Workability Preparation and Job Placement .....	3
DEVSER 252 Workability Strategies and Job Maintenance .....	2
DEVSER 255 Workability Experience .....	1-3
<b>Total Units</b>	<b>16</b>

## INFORMATION SYSTEMS

*Change: program outcomes, new course*

### INFORMATION SYSTEMS

#### ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Degree is designed to provide students with the basic knowledge and skills necessary to pursue a career in Information Systems. Students completing the Business Department Core courses and the Information Systems Core courses and one of the four options (End User/Help Desk, Networking, Web Design, or Web Programming) will be able to enter the workforce with a comprehensive understanding of computer basics and a computing specialty (option) that can be applied in business, government, or education.

Outcomes:

1. Operate commonly used computer hardware and office software.
2. Identify the categories of software by their purpose and provide examples of each category.
3. Plan, design, and write stand-alone computer programs.
4. Apply structured logic in analyzing and solving problems.
5. Develop a well-designed relational database.
6. Create a Web document that contains Hyperlinks, graphics, tables and forms.
7. Demonstrate a breadth of knowledge of networking its uses in the business environment

#### **Business Department Core ..... 12**

ACCTG 40	Applied Accounting .....3
BA 5	Business Communications ....3
BA 10	Introduction to Business .....3
IS 15	Computer Concepts .....3

#### **Select one (1):.....3-5**

BA 39	Finite Mathematics for Business.....3
DS 117	Business Mathematics .....3
MATH 5A	Math Analysis I.....5
STAT 7	Elementary Statistics .....4

#### **Information Systems Core .....7.5**

IS 16	Word Processing ..... 1.5
IS 18	Spreadsheet Fundamentals ..... 1.5
IS 29	Operating Systems ..... 1.5
IS 40A	Internet Concepts and Design.....3

#### **Select one course: ..... 3**

IS 26A	Database Concepts and Design .....3
IS 50A	Introduction to Game Programming.....3

#### **Select one option ..... 6-7.5**

Help Desk Option	
Networking Option	
Web Design Option	
Web Programming Option	

#### **Help Desk Option ..... 6**

IS 26B	Advanced Database Concepts and Design ..... .5
IS 30	Fundamentals of Networking.....3
IS 45	Computer Configuration and Troubleshooting ..... 1.5

#### **Networking Option ..... 7.5**

IS 30	Fundamentals of Networking.....3
IS 43	Advanced Networking Concepts .....3
IS 45	Computer Configuration and Troubleshooting ..... 1.5

#### **Web Design Option ..... 6**

IS 40B	Advanced Internet Concepts and Design .....3
IS 42A	Business and Web Graphics.....3

#### **Web Programming Option ..... 7.5**

IS 31	Introduction to Programming ..... 1.5
IS 33	Beginning Java Programming.....3

#### **Select one course:**

IS 47	Visual Basic.....3
IS 50A	Introduction to Game Programming.....3
IS 50B	Intermediate Game Programming.....3

Total Units 31.5-35

*Change: program outcomes, new course*

**INFORMATION SYSTEMS  
CERTIFICATE OF ACHIEVEMENT**

The purpose of this core program is to provide students with the knowledge, training, and hands-on experience to pursue a career in Information Systems. Students completing this course of study will be able to enter the workforce with a comprehensive understanding of the fundamental elements of computing in a business environment. These courses apply toward the Associate in Science Degree in Information Systems.

Outcomes:

1. Operate commonly used computer hardware and office software.
2. Create a Web document that contains Hyperlinks, graphics, tables and forms.
3. Demonstrate a breadth of knowledge of networking and its uses in the business environment.
4. Plan, design, and write stand-alone computer programs.

**Required courses: ..... 19.5**

ACCTG 40	Applied Accounting .....	3
BA 5	Business Communications ....	3
BA 10	Introduction to Business .....	3
IS 15	Computer Concepts .....	3
IS 16	Word Processing.....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 29	Operating Systems .....	1.5
IS 40A	Internet Concepts and Design.....	3
<b>Select one course: ..... 3</b>		
IS 26A	Database Concepts and Design.....	3
IS 50A	Introduction to Game Programming.....	3
	Total Units	22.5

*Change: program outcomes, new course*

**PROGRAMMING FOR THE WEB  
CERTIFICATE OF ACHIEVEMENT**

The purpose of this program is to provide students with the knowledge, training, and hands-on experience to pursue a career as a Web programming specialist. Students completing this course of study will be able to enter the workforce as a programming specialist in Web environments in business government, and education. These courses apply toward the Associate in Science Degree in Information Systems.

Outcomes:

1. Apply structured logic in analyzing and solving problems.
2. Create a Web document that contains Hyperlinks, graphics, tables and forms.
3. Plan, design, and write stand-alone computer programs.
4. Develop a well-designed relational database.

**Required courses: ..... 15**

IS 15	Computer Concepts .....	3
IS 16	Word Processing .....	1.5
IS 18	Spreadsheet Fundamentals.....	1.5
IS 29	Operating Systems .....	1.5
IS 31	Introduction to Programming.....	1.5
IS 40A	Internet Concepts and Design.....	3
IS 47	Visual Basic.....	3
<b>Select one course: ..... 3</b>		
IS 26A	Database Concepts and Design.....	3
IS 50A	Introduction to Game Programming.....	3
<b>Select one course: ..... 3</b>		
IS 33	Beginning Java Programming.....	3
IS 50B	Intermediate Game Programming.....	3
	Total Units	21

# COURSE DESCRIPTIONS

## DEVELOPMENTAL SERVICES (DEVSER)

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*Change: catalog description*

212 HEALTH MANAGEMENT  
**2 units, 2 lecture hours, (Pass/No Pass only),  
 (Repeats=3)**

This course focuses on student health issues and addresses the recognition of health risk factors in the areas of diet, stress, exercise, sexual behavior, and personal safety. Students will develop strategies for the establishment of a safe and healthy lifestyle. This course is designed for students with disabilities.

*Change: catalog description*

213 COMMUNICATION AND ADVOCACY  
**2 units, 2 lecture hours, (Pass/No Pass only),  
 (Repeats=3)**

This course focuses on exploring the impact of disability and developing strategies to improve communication and self-advocacy skills. Topics addressed will include the steps necessary for effective communication, the use of "I" statements, disclosing disability/disability limitations, appropriately requesting reasonable accommodations, appropriate social etiquette and effective techniques for conflict resolution. This course is designed for students with disabilities.

*Change: catalog description*

214 GOVERNMENT BASICS  
**2 units, 2 lecture hours, (Pass/No Pass only),  
 (Repeats=3)**

This course focuses on developing the students' understanding of the function of government and their role within it as a citizen. Topics addressed will include the basic structure of government, legislation impacting disability issues, disability resources/services available in the community and a citizens influence on government. This course is designed for students with disabilities.

*Change: catalog description*

240 TRANSITION TO COLLEGE FOR  
 STUDENTS WITH DISABILITIES  
**1 unit, 1 lecture hour, (Pass/No Pass only),  
 (Repeats=1)**

The course is designed to assist students in preparing for their initial semester in a community college. The student will learn to navigate the State Center Community College District campuses, utilize resources and become familiar with academic policies, procedures and services. Course content will cover issues related to accommodations and resources available to students with disabilities to help enable them to be successful in a college setting including disability evaluation and assessment, alternative media, course selection, and scheduling. This course is designed for students with disabilities.

*Change: catalog description*

241 BRIDGE TO COLLEGE ARITHMETIC  
**2 units, 1 lecture hour, 4 lab hours, (Pass/No  
 Pass only), (Repeats=3)**

This course is designed for students with learning disabilities who have math skills below those required for Math 260. Students will develop skills in the mechanics and applications of arithmetic involving computing with whole numbers and solving word problems necessary for Math 260. Placement in course may be by counselor or faculty referral. This course is also recommended for students who are not successful in completing Math 260.

*Change: catalog description*

250 WORKABILITY ASSESSMENT  
 AND CAREER AWARENESS  
**3 units, 2 lecture hours, 3 lab hours, (Pass/No  
 Pass only), (Repeats=3)**

This course focuses on developing skills in the area of career assessment, career awareness, career exploration, and career development. Students will participate in exercises to help them choose and explore a chosen career path. This course is designed for students with disabilities.

*Change: catalog description*

- 251 WORKABILITY PREPARATION  
AND JOB PLACEMENT  
**3 units, 2 lecture hours, (Pass/No Pass only),  
(Repeats=3)**

The course focuses on the development of skills in the areas of work preparation, job placement, and compensatory skills in preparation for work. Students will explore disability issues related to employment, develop an employment portfolio, gain interviewing skills, and become familiar with the Americans with Disabilities Act and disability-related issues in the hiring process. This course is designed for students with disabilities.

*Change: catalog description*

- 252 WORKABILITY STRATEGIES AND  
JOB MAINTENANCE  
**2 units, 2 lecture hours, (Pass/No Pass only),  
(Repeats=3)**

This course is designed for students with disabilities. Students will use compensatory skills and strategies to related to personal disabilities, work ethics, reasonable accommodations and social skills to help support employment retention. This course is designed for students with disabilities.

*Change: prerequisites, catalog description*

- 255 WORKABILITY EXPERIENCE  
**1-4 units, (Pass/No Pass only), (Repeats=3)**  
PREREQUISITES: Must be a California State  
Department of Rehabilitation (DOR) consumer.

The course emphasizes developing skills through work experience in the areas of time management, following directions and instructions, appropriate work behaviors, and planning vocational choices. This course is designed for students with disabilities.

*Change: catalog description*

- 259 STRATEGIES INTERVENTION  
**2 units, 2 lecture hours, (Repeats=3)**

The course focuses on developing an understanding of the barriers presented by learning disabilities as well as identification of individual strengths. Students will practice learning strategies that will help them in the areas of motivation, concentration, listening comprehension, short and long term memory, note taking, reading comprehension, test taking, and classroom communication. This course is designed for students with an identified learning disability or who may have a learning disability.

*Change: catalog description, grading basis, repeats*

- 262 GROUP INTERACTION FOR  
STUDENTS WITH DISABILITIES  
**2 units, 2 lecture hours, (Pass/No Pass),  
(Repeats=3)**

This course focuses on the development of self-understanding and social skills through group interactions. Students will participate in topic discussions and practice using appropriate social skills through interactions with other individuals and small groups. This course is designed for students with disabilities.

*Change: catalog description, grading basis, repeats*

- 263 GROUP DYNAMICS-PEER MENTORING  
**2 units, 2 lecture hours, (Pass/No Pass),  
(Repeats=3)**

This course focuses on developing the skills necessary to effectively mentor students with various disabilities, as well as the general student population. Students will actively mentor another student while learning how to facilitate socialization and adjustment for those who lack the support or personal resources to navigate their college experience. This course is designed for students with disabilities.

*New course*

- 270 MONEY SKILLS  
**2 units, 1 lecture hour, 4 lab hours, (Pass/No  
Pass only), (Repeats=3)**

This course focuses on developing basic skills and terminology associated with using money. Topics covered include coin/currency identification, coin/currency value determination, counting coins/currency and choosing the appropriate coin(s)/currency to pay for a purchase. This course is designed for the developmentally delayed learner in preparation for Devser 272: Consumer Skills.

*New course*

- 271 LIFE SKILLS  
**2 units, 1 lecture hour, 4 lab hours, (Pass/No  
Pass only), (Repeats=3)**

This course focuses on developing basic life skills to complete daily necessary tasks to care for individual needs. It is designed for the developmentally delayed learner in preparation for Devser 273: Independent Living Skills.

*Change: advisories, catalog description*

272 CONSUMER SKILLS  
**2 units, 1 lecture hour, 4 lab hours, (Pass/No Pass only), (Repeats=3)**

ADVISORIES: Developmental Services 270.

This course focuses on the development of basic personal money management skills. Students will integrate basic money skills into personal strategies for managing their own money. This course follows Devser 270 in money skills development and is designed for the developmentally delayed learner.

*Change: title, advisories, catalog description*

273 INDEPENDENT LIVING SKILLS  
**2 units, 1 lecture hour, 4 lab hours, (Pass/No Pass only), (Repeats=3)**

ADVISORIES: Developmental Services 271.

This course focuses on the development skills necessary for life management in living as independently as possible. Students will develop strategies to manage their personal needs and schedule. This course follows Devser 271 in life skills development and is designed for the developmentally delayed learner.

*Change: catalog description, repeats*

275 HORTICULTURE SKILLS I  
**2 units, 6 lab hours, (Pass/No Pass only), (Repeats=3)**

This course focuses on the basic techniques of foliage plant care with an emphasis on transferable employment skills. This course is designed for students with disabilities.

*Change: advisories, catalog description, repeats*

276 HORTICULTURE SKILLS II  
**2 units, 6 lab hours, (Pass/No Pass only), (Repeats=3)**

ADVISORIES: Developmental Services 275.

This course focuses on intermediate techniques of foliage plant care and basic design with an emphasis on transferable employment skills. The course is designed for students with disabilities.

*Change: catalog description*

277 ADAPTED COMPUTER LITERACY  
**2 units, 1 lecture hour, 3 lab hours, (Pass/No Pass only), (Repeats=3)**

This course provides an introduction to computers, basic computer components and common computer applications with emphasis on developing computer use skills and exploring adaptations for effective computer use. This course is designed for students with disabilities.

*Change: catalog description*

283 DEVELOPMENTAL SERVICES:  
 COMPUTER APPLICATIONS OF  
 SOFTWARE TO READING AND WRITING  
**3 units, 2 lecture hours, 2 lab hours, (Pass/No Pass only), (Repeats=3)**

ADVISORIES: Developmental Services 277.

This course is designed for students who need training in use of computer technology to facilitate collegiate reading and writing. Programs to be covered include: Dragon Naturally Speaking, Kurzweil, Inspiration, Read Please, and the adaptive features of Windows. Students will be expected to complete reading and writing assignments using these programs. This course is designed for students with disabilities as well as students who want to improve their basic literacy skills using technology.

## INFORMATION SYSTEMS (IS)

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*New Course*

50B INTERMEDIATE GAME PROGRAMMING  
**3 units, 3 lecture hours, 1 lab hour, (Repeats=3)**

ADVISORIES: Eligibility for English 125 or 126, and Mathematics 101. PREREQUISITES: Information Systems 50A

This course is designed to continue student's game programming development utilizing Adobe Flash application. Students will plan, design, implement and maintain games focused on game framework design for stand-alone computer systems or on the Internet. (A, CSU)

## OFFICE TECHNOLOGY (OT)

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*Change: deleted*

4 MACHINE TRANSCRIPTION

*Change: deleted*

8 PRACTICUM IN CUSTOMER RELATIONS

*Change: deleted*

11B COREL WORDPERFECT ESSENTIALS

*Change: deleted*

27 MEDICAL TRANSCRIPTION

*Change: deleted*

122 KEYBOARDING IMPROVEMENT

**THE FOLLOWING CHANGES ARE  
EFFECTIVE FALL 2011**

# ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

## BIOLOGY

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*Change: select from groups units*

### BIOLOGICAL SCIENCES

#### ASSOCIATE IN SCIENCE DEGREE

The students will be able to identify the phyla/classes of organisms, their structures, and physiology. The students will know the human body macroscopically to the organ-system level and the microscopic/ histological level. The students will have the hands on experience and be able to work with the equipment in a health setting such as an EKG machine, otoscope, microscope, spectrophotometer, autoclave, etc. The students will have a basic understanding of aseptic transfer, microbiological techniques, and pathogenicity.

**Take a total of 18 minimum units ..... 18**

**Take a minimum of 8 units from: .....8**

BIOL 1	Principles of Biology.....4
BIOL 2	Environmental Science.....4
BIOL 3	Introduction to Life Science .....4
BIOL 5	Human Biology.....4
BIOL 11A	Biology for Science Majors I ..... 5
BIOL 11B	Biology for Science Majors II ..... 5
BIOL 20	Human Anatomy ..... 4
BIOL 22	Human Physiology.....5
BIOL 31	Microbiology.....5

**Take a minimum of 3 units from: .....3**

CHEM 1A	General Chemistry.....5
CHEM 1B	General Chemistry and Qualitative Analysis .....5
CHEM 3A	Introductory General Chemistry .....4
CHEM 3B	Introductory and Biological Chemistry .....3
PHYS 2A	General Physics 1 .....4
PHYS 2B	General Physics 2 .....4
PHYS 4A	Physics for Scientists and Engineers .....4
PHYS 4B	Physics for Scientists and Engineers.....4
PHYS 4C	Physics for Scientists and Engineers.....4

Total Units 18

**BUSINESS ADMINISTRATION**

**BUSINESS ADMINISTRATION**

**ASSOCIATE IN SCIENCE DEGREE**

A student who completes this degree will be prepared to assume responsibility for an entry or mid-level managerial position in an organization. This degree provides students with a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, management, and computer information systems. Multiple options are available including: accounting, administration, entrepreneurship, general business, information systems, management, marketing, logistics & distribution and real estate. At the time of graduation, a student completing the courses of study will be able to: • interpret the functions of business • prepare, read, analyze and communicate financial information • use financial information in decision-making • understand of the duties of a manager: planning, organizing, directing, and controlling • understand the fundamental legal concepts and their application to business • understand basic business computer applications • utilize written and oral communication skills

**Business Administration Core ..... 18**

BA 5	Business Communications .....	3
BA 10	Introduction to Business.....	3
BA 33	Human Relations in Business.....	3
ECON 1A	Macroeconomics .....	3
ECON 1B	Microeconomics .....	3
IS 15	Computer Concepts .....	3

**Select 1 from the following ..... 1**

BA 19V	Cooperative Work Experience, Business.....	1
BA 27	Students in Free Enterprise SIFE .....	1
BA 47	Careers-Business.....	1

**Select 1 from the following .....3-4**

ACCTG 1A	Principles of Accounting .....	4
ACCTG 40	Applied Accounting.....	3

**Select 1 from the following .....3-4**

BA 39	Finite Mathematics for Business .....	3
DS 117	Business Mathematics .....	3
STAT 7	Elementary Statistics .....	4

**Choose one of the following options: ..... 6 - 11**

*Change: revised course number, units*

**General Business Option, select 9 units ..... 9**

ACCTG 1A	Principles of Accounting .....	4
ACCTG 1B	Principles of Accounting .....	4
ACCTG 31	Computerized Accounting .....	3
BA 12	Introduction to Hospitality .....	3
BA 15	Introduction to Management .....	3
BA 34	Fundamentals of Investing .....	3
BA 38	Operation of the Small Business.....	3
BA 52	Introduction to Entrepreneurship .....	3
BA 55	Introduction to Logistics.....	3
BA 59	Applications in Logistics Management .....	3

**IS 60 Operating Systems ..... 2**

IS 40A	Internet Concepts and Design .....	3
IS 45	Computer Configuration and Troubleshooting .....	1.5
MKTG 10	Marketing .....	3
MKTG 11	Salesmanship .....	3
MKTG 12	Advertising and Promotion .....	3
MKTG 14	Retailing .....	3
RE 40	Real Estate Principles .....	3
RE 41	Real Estate Practice .....	3
RE 42	Legal Aspects of Real Estate .....	3
RE 43	Real Estate Appraisal .....	3

Total Units 34-36

*Change: revised course number, units*

**Information Systems Management Option ..... 8**

IS 18	Spreadsheet Fundamentals .....	1.5
IS 60	Operating Systems.....	2
IS 40A	Internet Concepts and Design.....	3
IS 45	Computer Configuration and Troubleshooting .....	1.5

Total Units 33-35

## COMMUNICATION

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**Change: added new course, revised unit selection**

### ASSOCIATE IN ARTS DEGREE

*(pending state approval)*

The Communication degree program is designed to prepare students to continue studies toward a B.A. degree in Communication or for entry level into a variety of career options that require competent and ethical communication skills. Students who pursue advanced communication degrees enjoy diverse employment that can range from College professor in Communication to Public Relations or a career in Mass Communications such as radio and television. Communication courses focus on how people use messages to generate meaning within and across various contexts, cultures, and channels.

#### Student Learning Outcomes

1. demonstrate and apply core communication theories and principles
2. construct and deliver competent presentations that are adapted to the audience and purpose
3. critically evaluate communicative situations

Required Core Courses.....	15
COMM 1 Public Speaking.....	3
COMM 2 Interpersonal Communication.....	3
COMM 4 Persuasion .....	3
COMM 8 Group Communication.....	3
COMM 25 Argumentation.....	3
Select from the following:.....	3
<b>COMM 10 Intercultural Communication.....</b>	<b>3</b>
COMM 12 Fundamentals of Interpretation .....	3
COMM 15 Computer-Mediated Communication.....	3
JOURN 1 Introduction to Mass Communications.....	3
PHIL 2 Critical Thinking and Writing.....	3
Total Units	18

**ENGLISH**

*Change: added new courses and program learning outcomes, title change*

**ENGLISH**

**ASSOCIATE IN ARTS DEGREE**

A student graduating with an Associate in Arts Degree in English will have successfully completed classes in composition, literature, linguistics, and critical thinking. All students will have written a passing research paper with proper documentation and will have demonstrated transfer level essay writing proficiency based on department rubric.

Program Learning Outcomes:

Write a passing documented thesis/argument based research paper, free of intentional or unintentional plagiarism with annotated bibliography.

Select one(1) from the following .....	3
ENGL 1B Introduction to the Study of Literature .....	3
ENGL 1BH Honors Introduction to the Study of Literature .....	3
Select one (1) from the following .....	3
ENGL 2 Critical Reading and Writing through Literature.....	3
ENGL 3 Critical Reading and Writing .....	3
ENGL 3H Honors Critical Reading and Writing.....	3
Select 14 units from the following .....	14
ENGL 15A Creative Writing: Poetry .....	3
ENGL 15B Creative Writing: Fiction .....	3
ENGL 15E Creative Writing: Non-Fiction .....	3
ENGL 15F Creative Writing: Screenwriting .....	3
ENGL 41 Themes in Literature.....	4
ENGL 43A American Literature: Origins through Reconstruction (1877).....	3
ENGL 43B American Literature: 1877 to Present.....	3
ENGL 44A World Literature to the Renaissance .....	3
ENGL 44B World Literature since the Renaissance .....	3

ENGL 46A	English Literature to 1800.....	3
ENGL 46B	English Literature from 1800 to Present .....	3
ENGL 47	Shakespeare.....	3
ENGL 48	American Literature .....	3
ENGL 49	Latino and Chicano Literature.....	3
ENGL 72	Writing Center Theory and Practice.....	1
ENGL 72A	Advanced Writing Center Theory and Practice.....	1
FILM 1	Introduction to Film Studies .....	3
FILM 2A	History of Cinema: 1895-1960 .....	3
FILM 2B	History of Cinema: 1960 to present.....	3
JOURN 1	Introduction to Mass Communications.....	3
JOURN 3	News Writing.....	3
LIBSKL 1	Information Competency/ Research Skills .....	1
Select one(1) from the following .....	3	
LING 10	Introduction to Language .....	3
LING 11	Introduction to Language for Teacher .....	3
Total Units		23

Only 6 units of Creative Writing may be applied, only 2 units from English 72 and 72A count toward degree. Recommended courses: Art 5, 6; Communication 12, 1, 2; Journalism 3; Music 12; Philosophy 1, 2.

*Advisors: Apperson, Berg, Borofka, Burdick (WI), Dominguez, Elliott (WI), Fourchy, Fritz (WI), Garza, Karle, Kaser (MC), Lapp, LaSalle, Leech (MC), Levine, Mousseau (WI), Palsgaard (MC), Ramirez (MC), Sanwo (WI), Simonson (WI), Snyder, Stamper, Young-Manning (MC)*

## FOREIGN LANGUAGE

**Change: new courses, title change**

### ASSOCIATE IN ARTS DEGREE

Students will understand the phonological, semantic, and syntactic features of a foreign language and the relationship of that language to one or more cultures in which it is used. Students will possess the receptive skills (listening and reading) and the productive skills (speaking and writing) necessary to achieve communicative competence in at least one foreign language and will be prepared to pursue more advanced study of that language at a four-year institution. Total Units: A minimum of 23 units must be completed for the major, including the high intermediate course of a foreign language, at least 4 units of another foreign language, and LING 10 or LING 11. At least 16 units must be completed in foreign language courses. The additional units must be chosen from the listed courses which provide historical, literary, and cultural background for language learning and appreciation.

**Select at least 23 units from:..... 23**

<b>CHIN 1</b>	<b>Beginning Chinese .....</b>	<b>4</b>
<b>CHIN 2</b>	<b>High-Beginning Chinese...</b>	<b>4</b>
ENGL 44A	World Literature to the Renaissance .....	3
ENGL 44B	World Literature Since the Renaissance .....	3
ENGL 49	Latino and Chicano Literature.....	3
FRENCH 1	Beginning French.....	4
FRENCH 2	High-Beginning French .....	4
FRENCH 3	Intermediate French .....	4
FRENCH 4	High-Intermediate French....	4
GERMAN 1	Beginning German.....	4
GERMAN 2	High-Beginning German .....	4
GERMAN 3	Intermediate German .....	4
GERMAN 4	High-Intermediate German .....	4
HIST 1	Western Civilization to 1648.....	3
HIST 2	Western Civilization from 1648 .....	3

LING 10	Introduction to Language	
OR		
LING 11	Introduction to Language for Teachers .....	3
SPAN 1	Beginning Spanish .....	4
SPAN 2	High-Beginning Spanish.....	4
SPAN 3	Intermediate Spanish.....	4
SPAN 3NS	Spanish for Spanish Speakers .....	4
SPAN 4	High-Intermediate Spanish ...	4
SPAN 4NS	Spanish for Spanish Speakers .....	4
SPAN 15	Practical Spanish Conversation, Low-Intermediate Level.....	3
SPAN 16	Practical Spanish Conversation, High-Intermediate Level .....	3
	Total Units	23

## INFORMATION SYSTEMS

**Change: revised course number, units**

CERTIFICATE IN BASICS OF COMPUTERS

The purpose of this core program is to provide students with the knowledge, training, and hands-on experience to pursue a career in Information Systems. Students completing the course of study will be able to enter the workforce with a comprehensive understanding of the fundamental elements of computing in a business environment. These courses apply toward the Associate in Science Degree in Information Systems.

IS 15	Computer Concepts .....	3
IS 16	Word Processing .....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 26A	Database Concepts and Design .....	3
IS 40A	Internet Concepts and Design .....	3
<b>IS 60</b>	<b>Operating Systems .....</b>	<b>2</b>
	Total Units	14

**Change: revised course number, units**

CERTIFICATE IN COMPUTER LITERACY BRIEF COURSES

This certificate meets the Computer Familiarity requirement for graduation.

IS 1	Personal Computer Basics .....	1
IS 2	Word Processing - A Brief Course .....	.5
IS 3	Spreadsheets - A Brief Course .....	.5
<i>Select one (1):.....</i>		<i>.5-1.5</i>
IS 4	The Internet - A Brief Course .....	.5
IS 6	PowerPoint - A Brief Course .....	.5
IS 61	Computer Building & Configuration .....	1.5
	Total Units	2.5-3.5

**Change: revised course number, units**

HELP DESK

CERTIFICATE OF ACHIEVEMENT

This core program provides students with the knowledge, training, and hands-on experience to pursue a career as a Help Desk professional in Information Systems. Students completing this course of study will be able to enter the workforce with a comprehensive understanding of the fundamentals necessary to work as a Help Desk professional in business, government, or education. These courses apply toward the Associate of Science degree in Information Systems.

IS 15	Computer Concepts .....	3
IS 16	Word Processing .....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 26A	Database Concepts and Design.....	3
IS 26B	Advanced Database Concepts and Design .....	1.5
IS 30	Fundamentals of Networking.....	3
IS 40A	Internet Concepts and Design.....	3
IS 45	Computer Configuration and Troubleshooting .....	1.5
<b>IS 60</b>	<b>Operating Systems.....</b>	<b>2</b>
	Total Units	20

**Change: revised course number, units**

**INFORMATION SYSTEMS  
ASSOCIATE IN SCIENCE DEGREE**

The Associate in Science Degree is designed to provide students with the basic knowledge and skills necessary to pursue a career in Information Systems. Students completing the Business Department Core courses and the Information Systems Core courses and one of the four options (End User/ Help Desk, Networking, Web Design, or Web Programming) will be able to enter the workforce with a comprehensive understanding of computer basics and a computing specialty (option) that can be applied in business, government, or education.

**Outcomes:**

1. Operate commonly used computer hardware and office software.
2. Identify the categories of software by their purpose and provide examples of each category.
3. Plan, design, and write stand-alone computer programs.
4. Apply structured logic in analyzing and solving problems.
5. Develop a well-designed relational database.
6. Create a Web document that contains Hyperlinks, graphics, tables and forms.
7. Demonstrate a breadth of knowledge of networking its uses in the business environment

<b>Business Department Core</b>	<b>..... 12</b>
ACCTG 40	Applied Accounting .....3
BA 5	Business Communications ....3
BA 10	Introduction to Business .....3
IS 15	Computer Concepts .....3
<b>Select one (1):</b>	<b>.....3-5</b>
BA 39	Finite Mathematics for Business.....3
DS 117	Business Mathematics .....3
MATH 5A	Math Analysis I.....5
STAT 7	Elementary Statistics .....4
<b>Information Systems Core</b>	<b>..... 8</b>
IS 16	Word Processing ..... 1.5
IS 18	Spreadsheet Fundamentals ..... 1.5
IS 40A	Internet Concepts and Design.....3
<b>IS 60</b>	<b>Operating Systems..... 2</b>

<b>Select one course:</b>	<b>..... 3</b>
IS 26A	Database Concepts and Design.....3
IS 50A	Spreadsheet Introduction to Game Programming.....3
<b>Select one option</b>	<b>..... 6-7.5</b>
Help Desk Option	
Networking Option	
Web Design Option	
Web Programming Option	
<b>Help Desk Option</b>	<b>..... 6</b>
IS 26B	Advanced Database Concepts and Design ..... 1.5
IS 30	Fundamentals of Networking.....3
IS 45	Computer Configuration and Troubleshooting ..... 1.5
<b>Networking Option</b>	<b>..... 7.5</b>
IS 30	Fundamentals of Networking.....3
IS 43	Advanced Networking Concepts .....3
IS 45	Computer Configuration and Troubleshooting ..... 1.5
<b>Web Design Option</b>	<b>..... 6</b>
IS 40B	Advanced Internet Concepts and Design.....3
IS 42A	Business and Web Graphics.....3
<b>Web Programming Option</b>	<b>..... 7.5</b>
IS 31	Introduction to Programming..... 1.5
IS 33	Beginning Java Programming.....3
<b>Select one course:</b>	
IS 47	Visual Basic.....3
IS 50A	Introduction to Game Programming.....3
IS 50B	Intermediate Game Programming.....3
Total Units 32-35.5	

*Change: revised course number, units*

**INFORMATION SYSTEMS  
CERTIFICATE OF ACHIEVEMENT**

The purpose of this core program is to provide students with the knowledge, training, and hands-on experience to pursue a career in Information Systems. Students completing this course of study will be able to enter the workforce with a comprehensive understanding of the fundamental elements of computing in a business environment. These courses apply toward the Associate in Science Degree in Information Systems.

Outcomes:

1. Operate commonly used computer hardware and office software.
2. Create a Web document that contains Hyperlinks, graphics, tables and forms.
3. Demonstrate a breadth of knowledge of networking and its uses in the business environment.
4. Plan, design, and write stand-alone computer programs.

**Required courses: ..... 20**

ACCTG 40	Applied Accounting .....	3
BA 5	Business Communications ....	3
BA 10	Introduction to Business .....	3
IS 15	Computer Concepts .....	3
IS 16	Word Processing.....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 40A	Internet Concepts and Design .....	3
<b>IS 60</b>	<b>Operating Systems.....</b>	<b>2</b>
<b>Select one course: .....</b>	<b>.....</b>	<b>3</b>
IS 26A	Database Concepts and Design.....	3
IS 50A	Introduction to Game Programming .....	3
	Total Units	23

*Change: revised course number, units*

**NETWORKING  
CERTIFICATE OF ACHIEVEMENT**

The purpose of this program is to provide students with the knowledge, training, and hands-on experience to pursue a career as a networking technician. Students completing this course of study will possess a fundamental understanding of computer networks and be able to enter the workforce as a technician in business, government, or education. These courses apply toward the Associate in Science Degree in Information Systems.

Outcomes:

1. Apply structured logic in analyzing and solving problems.
2. Create a Web document that contains Hyperlinks, graphics, tables and forms.
3. Plan, design, and write stand-alone computer programs.
4. Develop a well-designed relational database.

IS 15	Computer Concepts .....	3
IS 16	Word Processing .....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 26A	Database Concepts and Design .....	3
IS 30	Fundamentals of Networking .....	3
IS 40A	Internet Concepts and Design.....	3
IS 43	Advanced Networking Concepts .....	3
IS 45	Computer Configuration and Troubleshooting .....	1.5
<b>IS 60</b>	<b>Operating Systems .....</b>	<b>2</b>
	Total Units	21.5

*Change: revised course number, units*

**PROGRAMMING FOR THE WEB  
CERTIFICATE OF ACHIEVEMENT**

The purpose of this program is to provide students with the knowledge, training, and hands-on experience to pursue a career as a Web programming specialist. Students completing this course of study will be able to enter the workforce as a programming specialist in Web environments in business government, and education. These courses apply toward the Associate in Science Degree in Information Systems.

Outcomes:

1. Apply structured logic in analyzing and solving problems.
2. Create a Web document that contains Hyperlinks, graphics, tables and forms.
3. Plan, design, and write stand-alone computer programs.
4. Develop a well-designed relational database.

**Required courses: ..... 15.5**

IS 15	Computer Concepts .....	3
IS 16	Word Processing .....	1.5
IS 18	Spreadsheet Fundamentals.....	1.5
IS 31	Introduction to Programming.....	1.5
IS 40A	Internet Concepts and Design .....	3
IS 47	Visual Basic.....	3
<b>IS 60</b>	<b>Operating Systems .....</b>	<b>2</b>
<b>Select one course: .....</b>	<b>.....</b>	<b>3</b>
IS 26A	Database Concepts and Design .....	3
IS 50A	Introduction to Game Programming.....	3
<b>Select one course: .....</b>	<b>.....</b>	<b>3</b>
IS 33	Beginning Java Programming.....	3
IS 50B	Intermediate Game Programming.....	3
	Total Units	21.5

*Change: revised course number, units*

**WEB DESIGN  
CERTIFICATE OF ACHIEVEMENT**

This core program provides students with the knowledge, training, and hands-on experience to pursue a career as a Web Design specialist. Students completing this course of study will be able to enter the workforce as a Web Design specialist in business, government, and educational environments These courses apply toward the Associate of Science degree in Information Systems.

IS 15	Computer Concepts .....	3
IS 16	Word Processing.....	1.5
IS 18	Spreadsheet Fundamentals .....	1.5
IS 26B	Advanced Database Concepts and Design .....	1.5
IS 30	Fundamentals of Networking.....	3
IS 40A	Internet Concepts and Design.....	3
IS 40B	Internet Concepts and Design.....	3
IS 42A	Business and Web Graphics .....	3
<b>IS 60</b>	<b>Operating Systems.....</b>	<b>2</b>
<b>Select one course: .....</b>	<b>.....</b>	<b>3</b>
IS 26A	Database Concepts and Design .....	3
IS 50A	Introduction to Game Programming.....	3
	Total Units	24.5

## LIBERAL ARTS & SCIENCES

**Change: new courses**

### ASSOCIATE IN ARTS DEGREE

The Liberal Arts & Sciences A.A. Degree is designed for the student who wishes to earn a degree in a broad area of study that includes additional coursework in an “Area of Emphasis”. This area of emphasis will be an ideal choice for students planning to transfer to the California State University or University of California as students can satisfy their general education requirements, plus focus on transferable course work that relates to majors at CSU or UC. Each student should consult with a counselor for specific information regarding intended majors at the specific college/university of his/her choice.

Total Units Required: 60

• Choose either option I or II or III for the General Education pattern related to your educational goal.

I. Associate in Arts Degree

General Education

II. CSU GE

Minimum units necessary to meet the CSU General Education Certification requirements.

III. IGETC

Minimum units necessary to meet the IGETC Certification requirements.

- Complete 18 units in one “Area of Emphasis”
  - American Studies
  - Arts and Humanities
  - Natural Sciences
- For ALL OPTIONS: complete necessary Reedley College Graduation and Competency requirements
- All courses listed below transfer to CSU. Courses in BOLD also are transferable to UC. Refer to [www.ASSIST.org](http://www.ASSIST.org) for transfer details or see a counselor or faculty advisor for additional details. (\* indicates that transfer credit is limited by UC)
- Electives may be necessary to total 60 degree applicable units required for the Associate degree.

## AREAS OF EMPHASIS

### American Studies

These courses emphasize the study of contemporary America, American society, and its historical development. Through interdisciplinary study, students will evaluate and interpret the development of the cultures of the United States and the role these cultures play in defining what it has meant—and continues to mean—to be American.

**Select eighteen units from the following: ..... 18**

<b>ENGL 43A</b>	<b>American Literature: Origins through Reconstruction (1877)...</b>	<b>3</b>
<b>ENGL 43B</b>	<b>American Literature: 1877 to Present .....</b>	<b>3</b>
ENGL 48	American Literature .....	3
FILM 2B	History of Cinema: 1960 to Present.....	3
HIST 11	History of the United States to 1877 .....	3
HIST 12 or	History of the United States since 1877 or	
HIST 12H	Honors History of the United States since 1877 .....	3
HIST 32	History of the Mexican American People .....	3
JOURN 1	Introduction to Mass Communications.....	3
MUS 16	Jazz History and Appreciation.....	3
NR 7	Conservation of Natural Resources .....	3
SOC 1A	Introduction to Sociology.....	3
SOC 2	American Minority Groups.....	3
	Total Units	18

# PHYSICAL EDUCATION

## PHYSICAL EDUCATION

### ASSOCIATE IN ARTS DEGREE

The student who completes the requirements for an AA degree in Physical Education will identify effective pedagogical techniques for primary and secondary students. The student will demonstrate a basic knowledge of human anatomy and the treatment of common sports/fitness related injuries. The student will have practical experience in a breadth of activities, such as intercollegiate sports, swimming, racquet sports, and fitness activities like weight training and aerobic dance.

**Required Course ..... 4**

BIOL 5 Human Biology ..... 4

**Complete a minimum of eight (8) units from the following: .....8**

BIOL 20 Human Anatomy ..... 4

BIOL 22 Human Physiology ..... 5

CHEM 3A Introductory General Chemistry ..... 4

CHEM 10 Elementary Chemistry ..... 4

FN 35 Nutrition and Health ..... 3

FN 40 Nutrition .....3

HLTH 1 Contemporary Health Issues .....3

HLTH 2 First Aid and Safety ..... 2

PE 20 Athletic Training ..... 4

PE 22 Introduction to Physical Education ..... 3

**Select three (3) units from the following: ..... 3**

DANCE 9 Dance Conditioning ..... 1

DANCE 10 Modern Dance .....1

DANCE 14 Beginning Jazz Dance .....1

PE 1 Adapted Physical Education ..... 1

PE 2 Aerobics (Dance, Step or Water) .....1

PE 4 Badminton ..... 1

PE 5 Basketball ..... 1

PE 6 Fitness and Health ..... 1

PE 7 Golf ..... 1

PE 8 Martial Arts/Self Defense ..... 1

PE 10	Racquetball ..... 1
PE 12	Swimming ..... 1
PE 13	Tennis ..... 1
PE 14	Volleyball ..... 1
PE 15	Weight Training ..... 1
PE 16	Fitness Walking ..... 1
PE 18	Floor Exercises ..... 1
PE 19	Weight Training and Aerobics ..... 1
PE 29	Yoga ..... 1
PE 30B	Competitive Baseball ..... 3
PE 30C	Off-Season Conditioning for Baseball ..... 1
PE 31B	Competitive Basketball ..... 3
PE 31C	Off-Season Conditioning for Basketball ..... 1
PE 33B	Competitive Football ..... 3
PE 33C	Off-Season Conditioning for Football ..... 1
PE 34B	Competitive Golf ..... 3
PE 34C	Off-Season Conditioning for Golf ..... 1
PE 37B	Competitive Softball ..... 3
PE 37C	Off-Season Conditioning for Softball ..... 1
PE 38B	Competitive Tennis ..... 3
PE 38C	Off-Season Conditioning for Tennis ..... 1
PE 39B	Competitive Track and Field ..... 3
PE 39C	Off-Season Conditioning for Track and Field ..... 1
PE 40B	Competitive Volleyball ..... 2
PE 40C	Off-Season Conditioning for Volleyball .....1

**Select additional units from the above areas to total at least 18 units.**

Total Units 18

# TRANSFER DEGREES

## COMMUNICATION

***New program (SB1440)***

**ASSOCIATE IN ARTS DEGREE IN COMMUNICATION STUDIES FOR TRANSFER**

The College Associate in Arts Degree in Communication Studies for Transfer is designed to prepare students to continue studies toward a B.A. degree in Communication or for entry level into a variety of career options that require competent and ethical communication skills. Students who pursue advanced communication degrees enjoy diverse employment that can range from College professor in Communication to Public Relations or a career in Mass Communications such as radio and television. Communication courses focus on how people use messages to generate meaning within and across various contexts, cultures, and channels.

**Program Learning Outcomes:**

1. Construct and deliver a presentation with communicative competence and confidence.
2. Demonstrate the dynamics of effective communication in a variety of settings and contexts.

To obtain the Associate in Arts Degree in Communication Studies for Transfer, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- The Communication Studies major requirements below, 18 units.
- The California State University General Education – Breath (CSUGE) or the Intersegmental General Education Transfer Curriculum (IGETC) requirements.
- Any needed transferable electives to reach a total of 60 CSU transferable units.

**Required Core..... 3**  
 COMM 1 Public Speaking.....3

**List A Courses ..... 6**  
 COMM 2 Interpersonal  
 Communication .....3  
 COMM 8 Group Communication.....3  
 COMM 25 Argumentation.....3

**List B Courses (any course from List A not used) ..... 6**  
 COMM 4 Persuasion.....3  
 COMM 10 Intercultural  
 Communication .....3  
 COMM 12 Fundamentals of  
 Interpretation.....3  
 COMM 15 Computer-Mediated  
 Communication .....3

**List C Courses (any course from List A or B not used) 3**  
 ENGL 1B Introduction to the Study  
 of Literature .....3  
 ENGL 1BH Honors Introduction to the Study of  
 Literature.....3  
 JOURN 1 Introduction to Mass  
 Communications.....3  
 PHIL 2 Critical Thinking and  
 Writing.....3

**CSU General Education or IGETC.....39-41**  
**CSU Electives to reach 60 units total**  
 Total Units 60

# MATHEMATICS

## *New program (SB1440)*

### ASSOCIATE IN SCIENCE DEGREE IN MATHEMATICS FOR TRANSFER

The Associate in Science Degree in Mathematics for Transfer prepares students for transfer into four-year mathematics programs. A strong mathematics background allows students to pursue studies in fields such as mathematics education, engineering, information technology, statistical analysis, physical science and advanced mathematics.

Upon completion of the Reedley College Mathematics program, a student will be able to:

- Communicate mathematics with understanding (read, write, listen, speak).
- Use critical thinking and mathematical reasoning to solve a variety of problems.
- Apply mathematical models to real world situations.
- Use technology, when appropriate, to enhance their mathematical understanding, critical thinking, and problem solving skills.
- Demonstrate the ability to use symbolic, graphical, numerical and written representations of mathematical ideas.

The program is suited to the needs of students who will complete their education at Reedley College with an A.S. degree, as well as those students who will complete their Reedley College Associate in Science Degree in Mathematics for Transfer who transfer to a four year institution to complete their bachelor's degree. Successful completion of the Associate in Science Degree in Mathematics for Transfer guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree, in preparation to pursue a career in the field of mathematics, engineering, statistics, actuarial science, business and management, law enforcement, government, and education.

*To obtain the Associate in Science Degree in Mathematics for Transfer, students must complete the following:*

- Completion of the following major requirements with grades of 2.0 or better
- A minimum of 60 CSU-transferable units with a grade point average (GPA) of 2.0 or better.
- Certified completion of either the California State University General Education Breadth pattern (CSU GE), or the Intersegmental General Education Transfer Curriculum (IGETC-CSU) pattern general education requirements.

<b>Core.....</b>	<b>13</b>
MATH 5A	Math Analysis I.....5
MATH 5B	Math Analysis II .....4
MATH 6	Math Analysis III .....4
<b>Select one (1) course from Group A.....</b>	<b>3-4</b>
<b>Group A:</b>	
MATH 7	Differential Equations and Linear Algebra .....4
MATH 26	Elementary Linear Algebra.....3
<b>Select one (1) course from Group B.....</b>	<b>4</b>
<b>Group B:</b>	
CSCI 26	Discrete Mathematics for Computer Science .....4
CSCI 40	Programming Concepts and Methodology I.....4
ENGR 40	Programming for Scientists and Engineers.....4
MATH 11	Elementary Statistics .....4
MATH 11H	Honors Elementary Statistics .....4
PHYS 4A	Physics for Scientists and Engineers.....4
STAT 7	Elementary Statistics .....4
<b>CSU GE or IGETC.....</b>	<b>39-41</b>
<b>CSU Electives to reach 60 units total</b>	
	Total Units 6

## PSYCHOLOGY

### *New program (SB1440)*

#### ASSOCIATE IN ARTS DEGREE IN PSYCHOLOGY FOR TRANSFER

*(pending state approval)*

The Associate in Arts Degree in Psychology for Transfer prepares students for transfer into four-year Psychology programs. The degree provides academic preparation in statistics and biology, in addition to the fundamentals of lower division psychology coursework. A background in psychology allows students to pursue studies in a range of fields, including education, social work, and counseling.

#### Program Learning Outcomes:

1. Analyze and discuss major psychological theories and research.
2. Apply psychological concepts when examining human and animal behavior.
3. Synthesize knowledge regarding culture, history and genetics in understanding behavior.
4. Integrate psychological theory and practice in analyzing social issues.
5. Differentiate valid scientific inquiry from pseudoscience.
6. Apply psychological concepts to the development effective college learning skills.
7. Demonstrate ability to apply independent critical thinking skills.
8. Critically evaluate scientific claims within the field of psychology and beyond.
9. Develop insight into human development and growth.
10. Utilize psychological applications in the pursuit of self-improvement and relationships.

Students wishing to pursue the Associate in Arts in Psychology for Transfer must complete 60 units of coursework eligible for transfer to the California State University, including:

- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements
- 18 units of major coursework as detailed below
- Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major.

The benefit for students completing this associate degree for transfer is that the California State University (CSU) system is required to “guarantee admission with junior status to any community college student who meets all of the requirements” for the associate degree for transfer. CSU is required to grant priority admission for a student with this associate degree “to his or her local [CSU] campus and to a program or major that is similar to his or her community college major or area of emphasis, as determined by the [CSU] campus to which the student is admitted.” In addition, “A student...shall receive priority over all other community college transfer students, excluding community college students who have entered into a transfer agreement between a community college and the California State University prior to the fall term of the 2012-13 academic years

#### **Required Core..... 14**

BIOL 5	Human Biology.....4
PSY 45	Introduction to Research Methods in Psychology .....3

#### **Select one course from: ..... 4**

MATH 11	Elementary Statistics .....4
MATH 11H	Honors Elementary Statistics .....4
STAT 7	Elementary Statistics .....4

#### **Select one course from: ..... 4**

PSY 2	General Psychology .....3
PSY 2H	Honors General Psychology .....3

#### **List B (Choose one of the following) ..... 3**

CHDEV 39	Child Growth and Development .....3
CHDEV 38	Lifespan Development.....3
PSY 5	Social Psychology .....3
SOC 1A	Introduction to Sociology.....3
PSY 38	Lifespan Development.....3

#### **List C (Choose one of the following) ..... 3**

Any course not selected above	
PSY 16	Abnormal Psychology.....3
PSY 25	Human Sexuality .....3

#### **CSU GE or IGETC**

#### **Transferable Electives as needed to reach 60 transferable units**

Total Units	60
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# COURSE DESCRIPTIONS

## ACCOUNTING (ACCTG)

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*Change: advisories*

1A PRINCIPLES OF ACCOUNTING  
**4 units, 4 lecture hours, 1 lab hour**  
 ADVISORIES: Accounting 40, eligibility for English 125, 126, and Mathematics 101.

Recording of transactions in general journal as well as special journals, theory of debit and credit, classification of accounts into six categories, preparation of payroll, employee benefits, preparation and interpretation of four financial statements as they apply to sole proprietorships, partnerships, and corporations. (A, CSU, UC)

## AGRICULTURE (AG)

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*Change: advisories, catalog description*

1 COMPUTER APPLICATIONS  
 IN AGRICULTURE  
**3 units, 2 lecture hours, 3 lab hours, (Pass/No Pass)**

ADVISORIES: Office Technology 9, eligibility for English 125, 126, and Mathematics 101.

Computer use in the workplace with emphasis on agribusiness situations. Computer applications including word-processing, spreadsheets, databases, and presentation managers will be covered. Also included will be accessing information through the internet and other software appropriate to agribusiness applications. (A, CSU, UC)

*Change: catalog description*

2 AGRICULTURAL ECONOMICS  
**3 units, 3 lecture hours, (Pass/No Pass)**  
 ADVISORIES: Eligibility for English 125, 126, and Mathematics 101.

The place of agriculture and farming in the economic system: basic economic concepts and problems of agriculture; pricing and marketing problems; factors of production; state and federal farm programs affecting the farmer's economic position. (A, CSU-GE, UC)

## ASTRONOMY

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*Change: formerly Science 3*

10 INTRODUCTION TO ASTRONOMY  
**4 units, 3 lecture hours, 2 lab hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 or 126, and Mathematics 101.

This course covers the topics of planets, solar system mechanics, stellar evolution and basic cosmology. (A, CSU-GE, UC, I)

## BIOLOGY (BIOL)

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*Change: advisories, grading basis*

1 PRINCIPLES OF BIOLOGY  
**4 units, 3 lecture hours, 2 lab hours**  
 PREREQUISITE: Mathematics 103. ADVISORIES: English 1A.

Topics covered include the cellular and chemical basis of life, organ systems, genetics, evolution and the origin of life, ecology and environmental concerns. This course is recommended for the pre-professional and life science majors. (A, CSU-GE, UC, I)

*Change: advisories, grading basis*

5 HUMAN BIOLOGY  
**4 units, 3 lecture hours, 2 lab hours, (Pass/No Pass)**  
 ADVISORIES: English 1A and eligibility for Mathematics 101.

This course is an introductory human biology course that examines science and societal issues. There is special emphasis on the following body systems: circulatory, digestive, respiratory, urinary, skeletal, muscular, nervous, sensory, endocrine, reproductive, and genetics. (A, CSU-GE, UC, I)

**Change: prerequisites****11A BIOLOGY FOR SCIENCE MAJORS I****5 units, 3 lecture hours, 6 lab hours**

COREQUISITE: Chemistry 1A. ADVISORIES: Eligibility for English 1A, Biology 3 or high school biology.

Students will study the chemistry of life, the cell, cellular structure, metabolism, photosynthesis, aerobic and anaerobic respiration, mitosis, meiosis, genetics, molecular biology, and evolution. Genetics will include Mendelian Genetics, Human Genetics, and Biotechnology. This course is intended for Science Majors and for pre-medical, pre-veterinarian, pre-dental, pre-optometry, and pre-pharmacy majors. (A, CSU-GE, UC, I)

**Change: advisories****11B BIOLOGY FOR SCIENCE MAJORS II****5 units, 3 lecture hours, 6 lab hours**

PREREQUISITE: Biology 11A. ADVISORIES: Eligibility for English 1A.

This course is the second-semester course of a two-semester sequence of general biology. Students will study the origins of life, the evolutionary history of biological diversity, plant form and function, animal form and function, and ecology. This course is intended for science majors and for pre-medical, pre-veterinarian, pre-dental, pre-optometry, and pre-pharmacy majors. (A, CSU-GE, UC, I)

**CHEMISTRY (CHEM)****Change: advisories, catalog description****1A GENERAL CHEMISTRY****5 units, 3 lecture hours, 6 lab hours, (Pass/No Pass)**

PREREQUISITES: High school chemistry with laboratory component or Chemistry 3A or 10 or equivalent, and Mathematics 103 or equivalent. ADVISORIES: English 1A.

This is the first course in a two course sequence in general chemistry and is intended for students majoring in science or satisfying prerequisites for professional schools. This course covers the principles and laws of inorganic chemistry with an emphasis on quantitative, mathematical problem-solving. Topics included in the course are atoms, molecules and ions; formulas and equations; stoichiometry; gas laws; electronic structure of atoms; bonding; atomic orbital and molecular orbital theories; solutions; precipitation reactions; oxidation reduction reactions; introduction to acids and bases;

thermochemistry; properties of liquids; solids and crystal structures; solution behavior; colligative properties; associated laboratory experiments; and volumetric and gravimetric analysis methods. (A, CSU-GE, UC, I)

**Change: advisories, catalog description****1B GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS****5 units, 3 lecture hours, 6 lab hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 1A and Mathematics 103. ADVISORIES: English 1A.

This course completes the year long general chemistry sequence (1A-1B) and covers the principles of physical and inorganic chemistry with an emphasis on quantitative, mathematical problem solving. Topics covered include acid-base theory, chemical kinetics, equilibrium (acid-base, hydrolysis, and solubility), chemical thermodynamics, electrochemistry, selected topics in nuclear chemistry, coordination chemistry, and/or chemistry of selected groups. Students will analyze inorganic compounds qualitatively and quantitatively. (A, CSU-GE, UC, I)

**Change: advisories, catalog description****3A INTRODUCTORY GENERAL CHEMISTRY****4 units, 3 lecture hours, 3 lab hours (Pass/No Pass)**

PREREQUISITES: Mathematics 103. ADVISORIES: English 1A and Chemistry 10 or high school chemistry.

This is a survey course in the principles of inorganic chemistry covering the composition of matter, physical and chemical changes, atomic and molecular structure, inorganic nomenclature, chemical formula and reaction calculations, gas laws, bonding, solutions, net-ionic equations, acid-base theories, pH, oxidation-reduction reactions, thermodynamics, nuclear chemistry and equilibrium. The course emphasizes problem solving and chemical calculations. Both qualitative and quantitative theory and techniques will be covered. It is intended for applied science and non-science majors or for students preparing to take Chemistry 1A. (A, CSU-GE, UC)

*Change: advisories, catalog description*

3B INTRODUCTORY ORGANIC AND BIOLOGICAL CHEMISTRY  
**3 units, 2 lecture hours, 3 lab hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 1A or 3A or equivalent. ADVISORIES: English 1A.

Introduction to the basic concepts of organic and biological chemistry. A study of the structure and behavior of organic and biochemical compounds, including metabolism, and regulation. Topics such as bonding, saturated and unsaturated hydrocarbons, the chemistry of organic functional groups, and the properties of important biological compounds such as carbohydrates, fats, and proteins are covered. Primarily for students in health oriented professions. (A, CSU-GE, UC)

*Change: advisories, catalog description*

9 ELEMENTARY ORGANIC CHEMISTRY LABORATORY  
**3 units, 1 lecture hour, 6 lab hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 1A or 3A. COREQUISITES: Chemistry 8. ADVISORIES: English 1A.

Reactions and physical properties of the main functional groups of organic compounds such as alkanes, alkenes, alkylhalides, acids and esters. Students will work hands-on with a melting point apparatus, a refractometer, a gas-chromatograph, an infra-red spectrometer and a nuclear magnetic resonance spectrometer. The course is designed to accompany an elementary organic chemistry lecture course such as Chemistry 8. This course, along with Chemistry 8, is a thorough preparation for the advanced organic chemistry courses, Chemistry 28A and 29A. (A, CSU-GE, UC, I)

*Change: advisories, catalog description*

10 ELEMENTARY CHEMISTRY  
**4 units, 3 lecture hours, 3 lab hours, (Pass/No Pass)**

ADVISORIES: English 1A and Mathematics 103.

This is a one-semester elementary class for students who have never taken high school chemistry. The course will give students a basic background in matter, energy, chemical reactions, measurements, formula writing, nomenclature, chemical calculations, gas laws, bonding, solutions, net-ionic equations, acid-base theory, pH, oxidation-reduction reactions and equilibrium. Recommended for applied science and non-science majors or for students preparing to take Chemistry 1A. (A, CSU-GE, UC, I)

*Change: title, advisories, catalog description*

28A ORGANIC CHEMISTRY I  
**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 1B. ADVISORIES: English 1A.

This course is a study of the structures, properties, nomenclature and reactions of organic compounds with emphasis on reaction mechanisms. The course is recommended for students whose major is chemistry, premedical, pre dental, prepharmacy, biology, biochemistry or chemical engineering. The following topics are included: stereochemistry, alkanes, alkenes, alkynes, alkyl halides, alcohols, amines, ethers, epoxides, aromatics, and organometallic compounds, resonance and conjugation, kinetic and thermodynamic control of reactions, multistep syntheses, infrared spectroscopy, nuclear magnetic spectroscopy, and mass spectroscopy. (A, CSU-GE, UC, I)

*Change: title, advisories, catalog description*

28B ORGANIC CHEMISTRY II  
**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 28A. ADVISORIES: English 1A.

This is the second semester in a year-long course in organic chemistry designed for students majoring in chemistry and related disciplines, such as premedical, prepharmacy, pre dental, biology, biochemistry or chemical engineering. It covers the study of several groups of compounds in organic chemistry including aromatic compounds, benzene derivatives, carbonyl compounds, amines, amino acids, lipids, and nucleic acids. Each group is analyzed in terms of their structure, physical properties, nomenclature, reactions and reaction mechanisms. Also included are the oxidation-reduction of organic functional groups and protecting groups in multistep syntheses. (A, CSU-GE, UC, I)

*Change: title, advisories, catalog description*

29A ORGANIC CHEMISTRY LABORATORY I  
**2 units, 6 lab hours, (Pass/No Pass)**

COREQUISITES: Chemistry 28A. ADVISORIES: English 1A.

This course provides a study of the properties and reactions of organic compounds such as alkenes, alkyl halides, alcohols and acids. Students will perform qualitative experiments with acetylene, alkenes and various alcohols and work hands on with a melting point apparatus and refractometer. In addition, an introduction will be given on how to use a gas chromatograph and an infrared spectrophotometer (FTIR). Analyses of IR, NMR and MS spectra will be covered. (A, CSU-GE-UC, I)

*Change: title, advisories, catalog description*

## 29B ORGANIC CHEMISTRY LABORATORY II

**2 units, 6 lab hours, (Pass/No Pass)**

PREREQUISITES: Chemistry 1B.

COREQUISITES: Chemistry 28B. ADVISORIES: English 1A.

This course provides a study of the properties and reactions of organic compounds such as esters, aldehydes, ketones and aromatics. Students will work hands on with instruments such as a melting point apparatus, a refractometer, a polarimeter, a gas chromatograph, an infrared spectrometer and a nuclear magnetic resonance spectrometer. (A, CSU-GE,UC, I)

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CHILD DEVELOPMENT (CHDEV)

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*Change: title, catalog description*

## 35 WORKING WITH FAMILIES AND CHILDREN WITH SPECIAL NEEDS

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

This course is an introduction to the field of special education. Identification and intervention techniques of various disabilities will be explored, with an emphasis on how to support and work with the family. The law, as it relates to disability rights, accommodations and modifications for disabled persons will be emphasized. (A, CSU)

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CHINESE (CHIN)

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*New course*

## 1 BEGINNING CHINESE

**4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Beginning course in conversational and written Chinese for non-native speakers; intended for students without previous exposure to Chinese. Introduction to pronunciation, vocabulary, idioms, grammar, and exploration of Chinese culture and Chinese-American culture. (A, CSU-GE, UC)

*New course*

## 2 HIGH-BEGINNING CHINESE

**4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

PREREQUISITE: Chinese 1.

Second-semester course in conversational and written Chinese for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of Chinese and Chinese-American cultures. (A, CSU-GE, UC)

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COMMUNICATION (COMM)

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*New course*

## 10 INTERCULTURAL COMMUNICATION

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: English 1A.

Intercultural Communication introduces students to the cultural variables and factors in the communication process. Emphasis is given to communicating effectively in diverse social and professional environments. Focus will also be given to the analysis and comparisons of message perception, verbal and nonverbal communication, communication climates and language interpretation in interactions between people from different cultures. Activities are designed to develop communication skills that improve competence in intercultural situations. (A, CSU, UC)

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COMPUTER SCIENCE (CSCI)

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*Change: grading basis, catalog description*

## 1 INTRODUCTION TO COMPUTER SCIENCE

**3 units, 2 lecture hours, 2 lab hours, (Pass/No Pass)**

PREREQUISITES: Mathematics 103.

An introduction to computer science with emphases on critical thinking skills and programming concepts. Deductive reasoning; social and ethical implications; computer hardware and software; programming concepts and methodology. The course is designed to prepare students with little or no programming experience for Computer Science 40. (A, CSU, UC)

*Change: catalog description*

- 5 JAVA PROGRAMMING  
3 units, 2 lecture hours, 3 lab hours, (Pass/No Pass)

PREREQUISITES: Mathematics 103.

ADVISORIES: Eligibility for English 125 and 126.

Introduction to object-oriented program design and development using Java. This course introduces the fundamentals of Java language which include data representation, control structures, class, object, methods, arrays, graphical user interfaces, and applets for web browser. (A, CSU, UC)

*Change: grading basis, catalog description*

- 15 INTRODUCTION TO UNIX  
3 units, 2 lecture hours, 2 lab hours, (Pass/No Pass)

ADVISORIES: Computer Science 1 or 5 and experience using a personal computer.

Introduction to UNIX operating system. Topics include accessing the system; file and directory organization; file accessing and security; shell features and scripting. This course satisfies computer familiarity requirement. (A, CSU, UC)

## CRIMINOLOGY (CRIM)

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*Change: catalog description*

- 1 INTRODUCTION TO CRIMINOLOGY  
3 units, 3 lecture hours

ADVISORIES: Eligibility for English 125 and 126.

This course will cover the philosophy and history of the administration of justice; an overview of crime and administration of justice problems; organization and jurisdiction of local, state and federal administration of justice agencies; and a survey of professional career opportunities and qualifications required for each. (A, CSU, UC)

*Change: catalog description*

- 3 LEGAL ASPECTS OF EVIDENCE  
3 units, 3 lecture hours

ADVISORIES: Eligibility for English 125 and 126.

The history, philosophy, court interpretations, rules of evidence and its admissibility into the American Court of law. (A, CSU)

*Change: catalog description*

- 4 PRINCIPLES & PROCEDURES OF THE JUSTICE SYSTEM  
3 units, 3 lecture hours

ADVISORIES: Eligibility for English 125 and 126.

Procedural rules and responsibilities in the areas of jurisdiction; extradition; arrest and search and seizure laws; admissions and confessions; and other legal directives to law enforcement agencies, based on constitutional and judicial interpretations. (A, CSU)

*Change: catalog description*

- 5 COMMUNITY RELATIONS  
3 units, 3 lecture hours

ADVISORIES: Eligibility for English 125 and 126.

This course covers the role of the administration of justice practitioner in the community. Students discuss the various multicultural issues which may arise in a diverse society and the appropriate ways in which law enforcement might respond. (A, CSU, UC)

*Change: catalog description*

- 6A CRIMINAL LAW  
3 units, 3 lecture hours

ADVISORIES: Eligibility for English 125 and 126.

This course will cover the history, philosophy, origin and development of criminal statutes, as well as the most frequently used sections in the Penal Code. (A, CSU, UC)

*Change: catalog description*

- 7A POLICE OPERATIONS AND PROCEDURES  
3 units, 3 lecture hours

ADVISORIES: Eligibility for English 125 and 126.

The exploration of theories, concepts, philosophy, and objectives of police patrol. (A, CSU)

*Change: catalog description*

- 7B POLICE OPERATIONS AND PROCEDURES  
3 units, 3 lecture hours

ADVISORIES: Eligibility for English 125 and 126.

The tactical and practical application of patrol operational procedures as it applies to the modern police department. The physical as well as psychological approaches by officers will be stressed. (A, CSU)

*Change: catalog description*

- 8 CRIMINAL INVESTIGATION  
**3 units, 3 lecture hours**  
 ADVISORIES: Eligibility for English 125 and 126.  
 Criminal investigations within the criminal justice system with focus on preliminary and follow-up investigations; interviews and interrogation; appropriate evidence procedures; case documentation and preparation for court. (A, CSU)

*Change: catalog description*

- 14 MULTI-CULTURAL ISSUES WITHIN PUBLIC SAFETY  
**3 units, 3 lecture hours**  
 ADVISORIES: Eligibility for English 125 and 126.  
 A theoretical and conceptual overview of multi-cultural concepts and issues, including those relating to gender, age and sexual orientation; and application of those concepts and issues to the four public safety disciplines (Law Enforcement, Corrections, Courts and Fire Technology); identification of problems related to our increasingly diverse population; and an examination of strategies to overcome those problems, particularly in relation to the maintenance of social order. (A, CSU, UC)

*Change: catalog description*

- 28 PROBATION AND PAROLE  
**3 units, 3 lecture hours**  
 ADVISORIES: Eligibility for English 125 and 126.  
 The history, development, and current practices of probation and parole; current trends and issues of community-based corrections; and alternatives for offenders. (A, CSU)

**DANCE (DANCE)**

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*New course*

- 10 MODERN DANCE  
**1 unit, 3 lab hours, (Pass/No Pass)**  
**(Repeats=3)**  
 ADVISORIES: Eligibility for English 125 or 126.  
 This course is designed to teach modern dance exercises and improvisations involving body movement, rhythm, design, dynamics, technique, and expression. Students will learn body conditioning exercises for posture, strength, and flexibility. (A, CSU)

*New course*

- 14 BEGINNING JAZZ DANCE  
**1 unit, 3 lab hours, (Pass/No Pass)**  
**(Repeats=3)**  
 ADVISORIES: Eligibility for English 125 or 126.  
 This course is a study of contemporary dance style, modified from ballet and modern dance. Students will utilize basic steps and isolated body parts; conditioning exercises for strength, flexibility, balance, and alignment done in a rhythmic form to jazz and other contemporary music. (A, CSU)

**ENGINEERING (ENGR)**

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*Change: advisories, title, catalog description*

- 2 ENGINEERING GRAPHICS  
**4 units, 2 lecture hours, 6 lab hours, (Pass/No Pass)**  
 PREREQUISITES: Mathematics 102 and 103.  
 ADVISORIES: Eligibility for English 125 or 126, and Mathematics 4A.  
 This course covers the principles of orthographic drawing, pictorial drawing, dimensioning, tolerancing, and descriptive geometry. These principles are applied to the visualization, representation, analysis, solution, and documentation of engineering problems, using freehand sketching, computer-aided drafting (CAD), and solid modeling. (A, CSU, UC)

*Change: prerequisites, catalog description*

- 4 ENGINEERING MATERIALS  
**3 units, 3 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: Chemistry 1A. ADVISORIES: Eligibility for English 125 and 126.  
 This is an introductory course on the properties of engineering materials and their relation to the internal structure of materials. Topics include: atomic structure and bonding; crystalline structures; phases and phase diagram; metals; polymers; ceramics; composites; mechanical deformation and fracture; structural control and influence of properties; materials naming and designating systems; and electrical properties. (A, CSU, UC)

*Change: catalog description*

- 6 ELECTRIC CIRCUITS ANALYSIS  
WITH LAB  
4 units, 3 lecture hours, 3 lab hours, (Pass/No  
Pass)

PREREQUISITES: Physics 4B.

COREQUISITES: Mathematics 7. ADVISORIES:  
Eligibility for English 125 and 126.

An introductory course in the analysis of DC and AC linear circuits containing resistors, inductors, capacitors, independent and dependent voltage and current sources, and operational amplifiers. Topics include Ohm's Law, Kirchhoff's Laws, loop and mesh analysis, Thevenin's and Norton's Theorems, superposition, natural and forced response in first and second order circuits, phasor analysis, resonance, and AC steady-state power. (A, CSU, UC)

*Change: advisories*

- 40 PROGRAMMING FOR SCIENTISTS  
AND ENGINEERS  
4 units, 3 lecture hours, 2 lab hours (Pass/No  
Pass)

PREREQUISITES: Mathematics 4A or 4C.

ADVISORIES: Eligibility for English 125 or 126.

This course introduces the use of C programming language to solve engineering and applied science problems. A systematic development of program structure, specification, testing and debugging. (A, CSU, UC)

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## ENGLISH (ENGL)

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*Change: grading basis*

- 3H HONORS CRITICAL READING  
AND WRITING  
3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

A course designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH. The course will focus on the development of logical reasoning and analytical and argumentative writing skills based primarily on works of non-fiction. Students will analyze classical and contemporary essays and synthesize critical research. As an Honor's section, this class will employ enhanced teaching methods such as seminar approach and assignments calling for a higher level of critical thinking. (A, CSU-GE, UC, I)

*New course*

- 43A AMERICAN LITERATURE: ORIGINS  
THROUGH RECONSTRUCTION (1877)  
3 units, 3 lecture hours, (Pass/No Pass)

PREREQUISITES: English 1A.

Readings in American literature from the Colonial period through Reconstruction. Fiction, poetry, and non-fiction will be placed into their historical and philosophical contexts. Discussion and written responses are based on the reading. (A, CSU-GE, UC, I)

*New course*

- 43B AMERICAN LITERATURE: 1877  
TO PRESENT  
3 units, 3 lecture hours, (Pass/No Pass)

PREREQUISITES: English 1A.

Analysis and study of fiction, drama, poetry, non-fiction, film, advertising, and ephemera of the United States from the Reconstruction to present day. (A, CSU-GE, UC, I)

*Change: prerequisites*

- 126 READING SKILLS FOR COLLEGE  
4 units, 4 lecture hours, (Pass/No Pass)

PREREQUISITES: English 262 or 262B or placement by college assessment process.

Students' basic reading skills are developed into college-level proficiencies in vocabulary usage, literal comprehension, and analytical and critical comprehension. Various reading and reporting strategies are developed and improved for different styles of academic writing. Instruction emphasizes reading as a problem-solving process. (A)

*Change: repeats*

- 260 BASIC READING  
4 units, 3 lecture hours, 2 lab hours, (Pass/No  
Pass only)

PREREQUISITES: Placement by college assessment process.

English 260 includes a variety of group and individual skill activities for improved reading comprehension and vocabulary development. Students will work with a variety of texts to determine main ideas, important details, cognitive text structures, and more. A goal of this course is to encourage students to develop a positive attitude toward reading. Successful completion of this course will prepare students for ENGL 262. Placement for this course is through the college assessment process.

*Change: repeats*

262 READING IMPROVEMENT  
4 units, 3 lecture hours, 2 lab hours, (Pass/No Pass)

PREREQUISITES: English 260 or English as a Second Language 266R or placement by college placement process.

English 262 includes a variety of group and individual skill development activities in phonetic and structural analysis, basic contextual vocabulary, and literal and basic comprehension skills to foster independent reading proficiency. This course prepares students for English 126. It is recommended to be taken concurrently with English 252 or English 125.

*Change: repeats*

262B READING IMPROVEMENT STRATEGIES  
2 units, 3 lecture hours, 2 lab hours, (Pass/No Pass only)

PREREQUISITES: English 260 or 260B or English as a Second Language 266R or placement by college assessment process.

English 262B is the second nine week segment of ENGL 262. This course includes a variety of group and individual skill development activities in phonetic and structural analysis, basic contextual vocabulary, and literal and basic comprehension skills to foster independent reading proficiency. This course prepares students for English 126. It is recommended to be taken concurrently with English 252 or English 125.

## FRENCH (FRENCH)

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*Change: hours*

1 BEGINNING FRENCH  
4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)

ADVISORIES: Eligibility for English 125 and 126.

Beginning course in conversational and written French for non-native speakers. Introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and exploration of the cultures of France and other Francophone countries and regions. (A, CSU-GE, UC, I)

*Change: hours*

2 HIGH-BEGINNING FRENCH  
4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)

PREREQUISITES: French 1, or 2 years of high school French, or the equivalent.

Second-semester course in conversational and written French for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of the cultures of France and other Francophone countries and regions. Introduction to the literary text. (A, CSU-GE, UC, I)

*Change: hours*

3 INTERMEDIATE FRENCH  
4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)

PREREQUISITES: French 2, or 3 years of high school French, or the equivalent. ADVISORIES: Eligibility for English 125 and 126.

Third-semester course in conversational and written French for non-native speakers. Review of basic grammar. Further development of oral skills and grammatical structures and continued expansion of vocabulary. Composition and discussion of short literary texts. Increasing emphasis on reading and writing as tools in exploring the cultures of France and other Francophone countries and regions. (A, CSU-GE, UC, I)

*Change: hours*

4 HIGH-INTERMEDIATE FRENCH  
4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)

PREREQUISITES: French 3 or equivalent. ADVISORIES: Eligibility for English 125 and 126.

Fourth-semester course in conversational and written French for non-native speakers. Development of proficiency of grammar and language usage. Continued exploration of current topics and cultures of France and Francophone countries and regions as reflected in the language and literature. (A, CSU-GE, UC, I)

## GEOGRAPHY

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### *New course*

#### 40A WORLD REGIONAL GEOGRAPHY A

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 or 126.

This course covers Europe, the post-Soviet Region, the Middle East, and Africa: a study of the physical settings, population patterns, natural resources, and economic and political status of these regions. Geography 40A and 40B together are equivalent to the Fresno City College courses Geography 4A and 4B together. (A, CSU-GE, UC)

### *New course*

#### 40B WORLD REGIONAL GEOGRAPHY B

**3 units, 3 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 or 126.

This course covers Asia, the Americas, Australia, New Zealand, and the Pacific Islands: a study of the physical settings, population patterns, natural resources, and economic and political status of these regions. Geography 40A and 40B together are equivalent to the Fresno City College courses Geography 4A and 4B together. (A, CSU-GE, UC)

## GERMAN (GERMAN)

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### *Change: hours, catalog description*

#### 1 BEGINNING GERMAN

**4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Beginning course in conversational and written German for non-native speakers, intended for students without previous exposure to German. Introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and exploration of the cultures of German-speaking countries and regions. (A, CSU-GE, UC, I)

### *Change: hours*

#### 2 HIGH-BEGINNING GERMAN

**4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

PREREQUISITES: German 1, or 2 years of high school German, or the equivalent skill level as determined by the instructor. ADVISORIES: Eligibility for English 125 and 126.

Second-semester course in conversational and written German for non-native speakers. Development of grammatical

structures and expansion of vocabulary. Further study of the cultures of German-speaking countries and regions. Introduction to the literary text. (A, CSU-GE, UC, I)

### *Change: hours*

#### 3 INTERMEDIATE GERMAN

**4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

PREREQUISITES: German 2, or 3 years of high school German, or the equivalent skill level as determined by the instructor. ADVISORIES: Eligibility for English 125 and 126.

Third-semester course in conversational and written German for non-native speakers. Review of basic grammar. Further development of oral skills and grammatical structures and continued expansion of vocabulary. Composition and discussion of short literary texts. Increased emphasis on reading and writing as tools in exploring the cultures of German-speaking countries and regions. (A, CSU-GE, UC, I)

### *Change: hours*

#### 4 HIGH-INTERMEDIATE GERMAN

**4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

PREREQUISITES: German 3, or 4 years of high school German, or the equivalent skill level as determined by the instructor. ADVISORIES: Eligibility for English 125 and 126.

Fourth-semester course in conversational and written German for non-native speakers. Development of proficiency of grammar and language usage. Continued exploration of current topics and cultures of German-speaking countries and regions as reflected in the language and literature. (A, CSU-GE, UC, I)

## HEALTH SCIENCE (HLTH)

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### *Change: advisories, catalog description*

#### 2 FIRST AID AND SAFETY

**2 units, 2 lecture hours, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 or 126.

This course is designed to prepare citizen responders with the knowledge and skills necessary to respond to emergency and first-aid situations. First aid, CPR, and AED for adults, children and infants are included in this course. Students will be eligible to take American Red Cross certification exams upon successful completion of each respective content area. (A)

## INFORMATION SYSTEMS (IS)

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*Change: formerly IS-29, units, hours, grading basis, repeatability, advisories*

### 60 OPERATING SYSTEMS

**2 units, 1 lecture hour, 1 lab hour,  
(Repeats=3)**

ADVISORIES: Eligibility for English 126 and Mathematics 101.

This course provides an overview to a broad range of operating system concepts, including installation and maintenance. Emphasis is on operating system concepts, and hands-on activities, including management, and maintenance. Students will learn and practice configuration techniques using operating system utilities. Students will also compare and contrast the differences between each operating system, files systems, file organization, file management, as well as essential computer securities and configuration. (A, CSU)

*Change: formerly IS-5, title, units, hours, grading basis, repeatability, advisories*

### 61 COMPUTER BUILDING AND CONFIGURATION

**1.5 units, 1 lecture hour, 1 lab hour,  
(Repeats=2)**

ADVISORIES: Eligibility for English 125, 126, and Mathematics 101.

This course covers the proper procedures for building a personal computer. Students will learn how to select, assemble, and install the necessary components to build a personal computer. The course will include a lecture and hands-on activities such as: installing operating systems and application software, and using appropriate diagnostic software to solve hardware or software problems. (A, CSU)

#### *New Course*

### 62 COMPUTER TROUBLESHOOTING AND MAINTENANCE

**2.5 units, 2 lecture hours, 2 lab hours,  
(Repeats=3)**

PREREQUISITE: Information Systems 61.  
ADVISORIES: Eligibility for English 125, 126, and Mathematics 101.

This course provides an introduction to troubleshooting and maintenance techniques of personal and laptop computers. The course provides Information Systems student with applicable hands-on activities such as installing RAM, replacing motherboards, and replacing power supplies, as well as using specialized test equipment to assist in troubleshooting. (A, CSU)

#### *New Course*

### 63 COMPUTER NETWORKING I

**3 units, 2 lecture hours, 2 lab hours,  
(Repeats=2)**

PREREQUISITE: Information Systems 60.  
ADVISORIES: Eligibility for English 125 or 126, and Mathematics 101.

This course provides an introduction to computer networking by providing hands on networking learning tasks such as: making and testing network cabling; troubleshooting networking hardware; as well as working with common network protocols. In this course, students will learn network topology, network types (wired and wireless), and basic principles of network security as well as network hardware and software installation and configuration. This course will prepare students to be competitive candidates in obtaining their CompTIA Network+ certification. (A, CSU)

#### *New Course*

### 64 COMPUTER NETWORKING II

**3 units, 2 lecture hours, 2 lab hours,  
(Repeats=1)**

PREREQUISITE: Information Systems 63.

This course covers advanced concepts in networking software and hardware. Installation of WAN hardware components and software will be examined. Installation of communications/internet software, proxy servers, transaction servers, domain name servers, and mail servers will be examined in a virtual environment. Design and implementation techniques for large organizations are also covered. (A, CSU)

## INTERDISCIPLINARY STUDIES (INTDS)

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*Change: hours, catalog description*

### 300 ACADEMIC LEARNING CENTER

**0 units, .5-1 lab hours**

This course provides individualized assistance to increase the probability of a student's successful completion of his or her educational objectives. Hours will vary depending upon individual student's need.

## LIBRARY SKILLS (LIBSKL)

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### *New Course*

- 1 INFORMATION COMPETENCY/  
RESEARCH SKILLS  
**1 unit, 1 lecture hour, (Repeats=3)**  
ADVISORIES: Eligibility for English 125 and 126.

This course is an introduction to research skills and strategies for college students to successfully locate, access, evaluate, and use information in various formats. Students will learn how to use print, database and Internet resources, cite sources, create bibliographies, and understand plagiarism. (A, CSU, UC)

## LIBRARY TECHNOLOGY (LITEC)

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### *Change: hours, catalog description*

- 258 LIBRARY & COMPUTER LAB SKILLS  
**1 unit, 1 lecture hour, (Pass/No Pass only)**  
**(Repeats=3)**

This course is intended to provide supervised use of computers and instruction in the organization, location, access, evaluation, and use of electronic research databases, library catalogs and internet sources. The course will reinforce concepts from classroom studies and develop problem solving abilities on an independent level.

## MANUFACTURING TECHNOLOGY (MFGT)

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### *New Course*

- 91 MOTOR CONTROL 1  
**2 units, 1.5 lecture hours, 1.5 lab hours (Pass/No Pass)**  
PREREQUISITES: Manufacturing Technology 23.

The study of basic industrial motors and motor control for commercial/manufacturing use. (A, CSU)

## MATHEMATICS (MATH)

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### *Change: catalog description*

- 4A TRIGONOMETRY  
**4 units, 4 lecture hours, (Pass/No Pass)**  
PREREQUISITES: Mathematics 102 and 103 or equivalent. ADVISORIES: Eligibility for English 125 and 126.

This course in trigonometry of the plane concentrates on trigonometric functions and their applications. Topics covered include the trigonometric functions, solution of right triangles, radian measure, fundamental identities, angular measure, graphs, logarithms, functions of composite angles, oblique triangles, trigonometric equations, inverse trigonometric functions, and complex numbers, including powers and roots. The study of polar coordinates and polar equations is also covered. (A, CSU-GE)

### *Change: catalog description*

- 4C TRIGONOMETRY/PRECALCULUS  
**6 units, 6 lecture hours, (Pass/No Pass)**  
PREREQUISITES: Mathematics 102 and 103.  
ADVISORIES: Eligibility for English 125 and 126.

This course comprises both Math 4A and Math 4B. The course is an analytic and comprehensive study of algebra, analytic geometry and trigonometry designed to prepare students for calculus. Topics include linear, quadratic, and rational equations and inequalities; functions and relations and their graphs; exponential and logarithmic functions; trigonometric and inverse trigonometric functions and their graphs; right and oblique triangles; graphs, identities, and trigonometric equations. (A, CSU-GE, UC, I)

### *Change: catalog description*

- 5B MATH ANALYSIS II  
**4 units, 4 lecture hours, (Pass/No Pass)**  
PREREQUISITES: Mathematics 5A.  
ADVISORIES: Eligibility for English 125 and 126.

This class investigates the applications of integration, many techniques of integration, improper integrals, parametric equations, polar coordinates and functions. Further study involves conic sections, exponential growth/decay models, infinite series including Maclaurin and Taylor Series. (A, CSU-GE, UC, I)

*Change: catalog description*

- 6 MATH ANALYSIS III  
**4 units, 4 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: Mathematics 5B.  
 ADVISORIES: Eligibility for English 125 and 126.  
 This is the third of three courses in the basic calculus sequence. Topics include solid analytical geometry, three dimensional vectors, vector valued functions, partial differentiation, multiple integration, line integrals, Divergence, Green's, and Stokes' Theorems. (A, CSU-GE, UC, I)

*Change: title, catalog description*

- 7 DIFFERENTIAL EQUATIONS AND  
 LINEAR ALGEBRA  
**4 units, 4 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: Mathematics 6. ADVISORIES:  
 Eligibility for English 125 and 126.  
 This is a course in ordinary differential equations and linear algebra. Topics include: first order ODE's; linear systems and matrices; vector spaces; higher order ODE's; eigenvalues and eigenvectors; linear systems of ODE's; Laplace transforms; power series solutions. (A, CSU-GE, UC, I)

*Change: catalog description*

- 10A STRUCTURE AND CONCEPTS  
 IN MATHEMATICS I  
**3 units, 3 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: Mathematics 103.  
 ADVISORIES: Eligibility for English 125 and 126.  
 This course is designed for prospective elementary school teachers. It will study problem solving strategies and skills, number sequences, set theory, ancient numeration systems, number theory, rational and irrational numbers, computation algorithms, and applications of mathematics. (A, CSU, UC)

*Change: catalog description, grading basis*

- 10B STRUCTURE AND CONCEPTS  
 IN MATHEMATICS II  
**3 units, 3 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: Mathematics 10A and 102 (one year high school geometry). ADVISORIES: Eligibility for English 125 and 126.  
 This course is designed for prospective elementary school teachers. Topics covered will include counting methods, elementary probability and statistics. Additional topics in Geometry to include polygons, congruence and similarity, measurement, geometric transformations, coordinate geometry, and connections between numbers and geometry with selected applications. (A, CSU-GE, UC)

*Change: catalog description*

- 11 ELEMENTARY STATISTICS  
**4 units, 4 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: Mathematics 103.  
 ADVISORIES: Eligibility for English 125 and 126.  
 This course is an introduction to statistical methods and techniques for business, behavioral, and social science majors. Topics include descriptive measures of central tendency and variability, probability, binomial and normal distributions, random variables, sampling, estimating, hypothesis testing (parametric and nonparametric), correlation and regression. (A, CSU-GE, UC, I)

*Deleted course*

- 20 SCIENTIFIC AND  
 TECHNICAL CALCULATIONS

*Change: catalog description*

- 26 ELEMENTARY LINEAR ALGEBRA  
**3 units, 3 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: Mathematics 5A.  
 ADVISORIES: Eligibility for English 125 and 126.  
 This is a course in linear algebra designed for math, computer science, and some engineering transfer students. Topics include: matrices and linear transformations; vector spaces; determinants; eigenvalues and eigenvectors; applications. (A, CSU-GE, UC, I)

*Change: catalog description*

- 101 ELEMENTARY ALGEBRA  
**5 units, 5 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: Mathematics 250.  
 ADVISORIES: Mathematics 256 and eligibility for English 126.  
 This is a first course in elementary algebra, including algebraic expressions, linear equations and inequalities, linear equations and inequalities in two variables, exponents and polynomials, factoring, and rational expressions.

This is a first course in elementary algebra, including algebraic expressions, linear equations and inequalities, linear equations and inequalities in two variables, exponents and polynomials, factoring, and rational expressions.

*Change: catalog description*

- 102 PLANE GEOMETRY  
**3 units, 3 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: Mathematics 101.  
 ADVISORIES: Eligibility for English 126.  
 Plane Geometry consists of the study of points, lines and planes. This course will include an introduction to geometric reasoning, and the properties of angles, lines, polygons, and circles.

*Change: catalog description*250 COLLEGE ARITHMETIC  
3 units, 3 lecture hours

This course is designed as a quick review of college arithmetic to prepare the student for MATH 256 or MATH 101. Topics include arithmetic operations on integers, fractions and decimals; application of order of operations to simplification of mathematical expressions; word problems and applications of arithmetic using ratios, proportions and percents.

*Change: advisories, catalog description*256 TOPICS BEFORE ALGEBRA  
3 units, 3 lecture hours, (Pass/No Pass)

PREREQUISITES: Mathematics 250 or by college assessment process that would qualify the student to place out of Mathematics 250.

An introduction to some of the key concepts covered in Beginning Algebra (e.g., solving equations, graphing, word problems) which are typically difficult for MATH 101 students. This course is designed for the student who has successfully completed MATH 250 or MATH 260 but does not feel confident enough in his/her skills to be able to take on the fast pace of a traditional MATH 101 class.

*Deleted course*257 INTEGRATED ARITHMETIC  
AND ALGEBRA*Change: catalog description*260 ARITHMETIC REVIEW  
4 units, 3 lecture hours, 2 lab hours, (Pass/No Pass)

This course is a review of basic college arithmetic designed to prepare the student for the faster pace of MATH 250. Topics include arithmetic operations on whole numbers, fractions and decimals, and application of order of operations to simplification of mathematical expressions.

*Deleted course*

## 260B ARITHMETIC REVIEW: FRACTIONS

## MUSIC (MUS)

*Change: catalog description*380A COMMUNITY BAND  
0 units, 1 lecture hour, 1 lab hour

Study and performance of a wide variety of concert band and wind ensemble literature. Participation in all performances required. This course is designed for community members to maintain and improve their musical skills.

*Change: catalog description*381A COMMUNITY JAZZ ENSEMBLE  
0 units, 1 lecture hour, 1 lab hour

Study and performance of popular dance, jazz, and jazz-rock literature. Improvisation drills. This course is designed for community members to maintain and improve their musical skills.

*Change: catalog description*382A COMMUNITY  
INSTRUMENTAL ENSEMBLE  
0 units, 1 lecture hour, 1 lab hour

Appropriate solo and ensemble literature will be studied and performed. Students must be able to read music and play a musical instrument. This course is designed for community members to maintain and improve their musical skills.

*Change: catalog description*383A COMMUNITY PIANO  
0 units, 1 lecture hour, 1 lab hour

Class piano instruction for community members who have completed the Music 20, 21, 22 series and wish to continue to develop their piano skills. This course is designed for community members to maintain and improve their musical skills.

*Change: catalog description, hours*385A COMMUNITY ORCHESTRA  
0 units, 1 lecture hour, 1 lab hour

Study and performance of a wide variety of orchestral literature. Participation in all performances required. This course is designed for community members to maintain and improve their musical skills.

## OFFICE TECHNOLOGY (OT)

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### *Change: catalog description*

- 10 MEDICAL TERMINOLOGY  
**3 units, 3 lecture hours, (Pass/No Pass)**  
 ADVISORIES: Eligibility for English 125 and 126.

This course provides students an opportunity to learn medical vocabulary with concentration on prefixes, suffixes, and root words. Emphasis is given to word dissection and definitions as applied to the body systems including the terminology used in examinations, diagnoses, procedures, laboratory investigations, and medical reports. (A, CSU)

### *Change: catalog description*

- 16 PREPARING FOR A JOB INTERVIEW  
**1 unit, 1 lecture hour, (Pass/No Pass)**  
 ADVISORIES: Eligibility for English 125 and 126.

This course is designed to prepare the Office Technology student to conduct an effective job search within the office assistant, administrative assistant or medical office assistant career path. A variety of topics will be covered including personal skill evaluations; where and how to look for office jobs; writing a cover letter and resume, highlighting and implementing their office technology skills; correctly completing an office job application; interview attire; body language and personal mannerisms; management of cell phones and voice mail; the intent of general interview questions as well as questions specific to office technology; and follow-up calls and letters.

### *Change: advisories, prerequisites, catalog description*

- 46 CHAMPIONSHIP TYPING  
**1.5 units, 1 lecture hour, 1 lab hour, (Pass/No Pass) (Repeats=1)**  
 PREREQUISITES: Office Technology 9. Students must already be able to type by touch 18 wpm if they are to succeed.

This intermediate keyboarding course provides students with proven methods for improving typing speed and accuracy. Two distinguishing features of this course are its diagnostic approach and utilization of corrective championship drills.

## PHYSICAL EDUCATION (PE)

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### *Change: repeatability*

- 381 ADAPTIVE ACTIVITIES  
**0 units, 2 lab hours, (Repeats=?)**  
 Exercise and therapy for students with temporary or permanent physical limitations.

## PHYSICS (PHYS)

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### *Change: catalog description*

- 4A PHYSICS FOR SCIENTISTS  
 AND ENGINEERS  
**4 units, 4 lecture hours, 3 lab hours, (Pass/No Pass)**  
 COREQUISITES: Mathematics 5B. ADVISORIES: Eligibility for English 1A.

The topics covered in this course include: classical mechanics, properties of matter, gravitation, fluid mechanics, oscillatory motion and mechanical waves. (A, CSU-GE, UC, I)

### *Change: catalog description*

- 4B PHYSICS FOR SCIENTISTS  
 AND ENGINEERS  
**4 units, 4 lecture hours, 2 lab hours, (Pass/No Pass)**  
 PREREQUISITES: Physics 4A. COREQUISITES: Mathematics 6. ADVISORIES: English 1A.

The topics covered in this course include: Mechanical waves, Thermodynamics, electricity, magnetism. (A, CSU-GE, UC, I)

### *Change: grading basis, prerequisites, advisories*

- 10 CONCEPTUAL PHYSICS  
**4 units, 3 lecture hours, 2 lab hours**  
 PREREQUISITES: Mathematics 103.  
 ADVISORIES: Eligibility for English 125, 126, and Mathematics 103.

This course covers the topics of measurement and scientific method, kinematics, states of matter, energy momentum, waves, sound, thermodynamics, electricity and magnetism, light and some modern physics topics. (A, CSU-GE, UC, I)

## PSYCHOLOGY (PSY)

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### *New Course*

#### 45 INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY

**3 units, 3 lecture hours**

PREREQUISITES: Psychology 2 or 2H, and Mathematics 11 or 11H or Statistics 7. ADVISORIES: English 1A or 1AH.

This course surveys psychological research methods. An emphasis is placed on research design, descriptive techniques, experimental procedures, and the characteristics of valid assessment tools. The course also focuses on the collection, analysis, interpretation, and reporting of research data. Cultural considerations and the ethics of research with human and animal participants will be included. Designed for psychology majors and others who require familiarity with such research techniques. (A, CSU, UC)

## REGISTERED NURSING

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### *New Course*

#### 74 GERIATRIC NURSING THEORY

**1.5 units, 1.5 lecture hours**

COREQUISITES: Registered Nursing 75, 77, and

79.

This course builds on previous knowledge and skills in applying the nursing process to older adults living in the community. Gerontological nursing theory is stressed with emphasis on lifestyle and physical changes that occur with aging, the process of initiating health referrals for the older adult, and the outcome criteria for evaluating the aging individual's response to teaching and learning. The student will also explore interventions to increase the older adult's functional abilities. (A, CSU)

### *Change: title, hours, prerequisites, corequisites, catalog description*

#### 75 INTERMEDIATE MEDICAL-SURGICAL NURSING

**5 units, 2.5 lecture hours, 7.5 lab hours**

PREREQUISITES: Registered Nursing 74.  
COREQUISITES: Registered Nursing 77, 79.

This course provides the conceptual basis of nursing care for patients in high acuity medical surgical settings. The emphasis of this course is on complex medical surgical conditions in the adult client. Students will apply the nursing process to promote self-care for clients with chronic health needs and to assist clients/families with complex, multi-system

self-care demands and deficits. Focus will be for the students to predict patient needs and priorities and evaluate outcomes of care. Concurrent practice in the college laboratory and clinical experience in community facilities is required. (A, CSU)

### *Change: catalog description*

#### 79 NURSING SKILLS LAB I

**.5 unit, 1.5 lab hours**

PREREQUISITES: Registered Nursing 160 and admission into the LVN to RN nursing program.  
COREQUISITES: Registered Nursing 75 and 77.

This course provides technological knowledge and assessment skills related to adult and older adult patients. It prepares the student to progressively advance in nursing practice to care for patients with acute and chronic health care problems. Under direct supervision, students will have an opportunity to update previously learned skills, practice complex patient care assignments on simulators, and demonstrate proficiency in math and dosage calculations for medication administration. This course also aids in the development of nursing skills related to communication, care planning and documentation. Students will be able to apply knowledge and skills learned from this course in diverse settings. (A, CSU)

### *Change: title, hours, prerequisites, corequisites, catalog description*

#### 85 ADVANCED MEDICAL-SURGICAL NURSING

**6 units, 2.5 lecture hours, 7.5 lab hours**

PREREQUISITES: Registered Nursing 74, 75, 77, 79, and acceptance into the Licensed Vocational Nursing-Registered Nursing program. COREQUISITES: Registered Nursing 86, 88, and 89.

This course focuses on advanced concepts related to health deviation in the acutely ill medical-surgical client. These concepts are integrated to meet the complex self-care needs of adult and older clients. Students will utilize the nursing process to provide wholly compensatory care for clients requiring complex nursing interventions, medical regimens and includes clinical in acute care settings. Correlated clinical experiences emphasize refinement of clinical decision making, psychomotor skills and management of patient care in professional nursing practice. (A, CSU)

**Change: title, units, hours, prerequisites, corequisites, catalog description****87 MATERNAL AND CHILD NURSING****4 units, 2 lecture hours, 6 lab hours**

PREREQUISITES: Registered Nursing 75, 77, 78, aqnd 79. COREQUISITES: Registered Nursing 89.

This is a family-centered course with emphasis on nursing care of the childbearing and childrearing family. Concepts emphasized include family communications, teaching, nursing process, critical thinking, legal-ethical issues and patient advocacy. The self-care model and the nursing process are utilized as the framework to assist the student in planning and delivering nursing care that is relevant to the pathophysiological, psychological, sociocultural, and risk-reduction needs of the client/family in childbearing and childrearing experiences. Concurrent practice in the college laboratory and clinical experience in community facilities is required. (A, CSU)

**New course****89 NURSING SKILLS LAB II****.5 unit, 1.5 lab hours**

PREREQUISITES: Registered Nursing 74, 75, 77, and 79. COREQUISITES: Registered Nursing 85.

This course provides technological knowledge and assessment skills related to both adult and pediatric patients. It prepares the student to progressively advance in nursing practice to care for patients with multiple complex acute and chronic health care problems. Under direct supervision, students will have an opportunity to update previously learned skills, practice complex patient care assignments on simulators, and demonstrate proficiency in math and dosage calculations for medication administration. This course also aids in the development of nursing skills related to communication, care planning and documentation. Students will be able to apply knowledge and skills learned from this course in diverse settings. (A, CSU)

**SCIENCE (SCI)****Change: revised to Astronomy 10****3 INTRODUCTION TO ASTRONOMY****SPANISH (SPAN)****Change: hours****1 BEGINNING SPANISH****4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

ADVISORIES: Eligibility for English 125 and 126.

Beginning course in conversational and written Spanish for non-native speakers; intended for students without previous exposure to Spanish. Introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and exploration of the cultures of Spain, Latin America and Hispanic cultures of the US. (A, CSU-GE, UC, I)

**Change: advisories, hours****2 HIGH-BEGINNING SPANISH****4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

PREREQUISITES: Spanish 1, or 2 years of high school Spanish, or the equivalent skill level as determined by instructor. ADVISORIES: Eligibility for English 125 and 126.

Second-semester course in conversational and written Spanish for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of the cultures of Spain, Latin America and Hispanic cultures of the US. Introduction to the literary text. (A, CSU-GE, UC, I)

**Change: advisories, hours, catalog description****3 INTERMEDIATE SPANISH****4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

PREREQUISITES: Spanish 2 or three years of high school Spanish or the equivalent skill level as determined by instructor. ADVISORIES: Eligibility for English 125 and 126.

Third-semester course in conversational and written Spanish for non-native speakers. Review of basic grammar. Further development of oral skills and grammatical structures and continued expansion of vocabulary. Composition and discussion of short literary texts. Increased emphasis on reading and writing as tools in exploring the cultures of Spain and Latin America and the Hispanic cultures of the US. (A, CSU-GE, UC, I)

*Change: advisories, hours*

4 HIGH-INTERMEDIATE SPANISH  
**4 units, 4 lecture hours, 1 lab hour, (Pass/No Pass)**

PREREQUISITES: Spanish 3 or 4 years of high school Spanish or the equivalent skill level as determined by instructor.

Fourth-semester course in conversational and written Spanish for non-native speakers. Development of proficiency of grammar and language usage. Continued exploration of current topics and cultures of Spain, Latin America and Hispanic cultures of the US as reflected in the language and literature. (A, CSU-GE, UC, I)

*Change: advisories, catalog description*

4NS SPANISH FOR SPANISH SPEAKERS  
**4 units, 4 lecture hours**

PREREQUISITES: Spanish 3NS or a proficient speaking knowledge of Spanish as determined by an oral interview. ADVISORIES: Eligibility for English 125 and 126 or similar skill levels in Spanish as determined by the instructor.

Second-semester course in Spanish for bilingual or monolingual native speakers designed to develop reading and writing skills. Further development and improvement of skills in standard Spanish including. Exercises in grammar and vocabulary building and research projects. Readings of historical culture and literary texts are the center of class discussions. (A, CSU-GE, UC, I)

*Change: title, advisories, catalog description*

15 PRACTICAL SPANISH CONVERSATION,  
 INTERMEDIATE LEVEL  
**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Spanish 2 or the equivalent skill level as determined by instructor. ADVISORIES: Eligibility for English 125 and 126.

Spanish conversational skills for students with a basic knowledge of the language are developed. Oral communication and listening comprehension are emphasized. Some reading and writing skills are developed. Practical vocabulary for everyday usage and application of basic grammatical structures are stressed. Topics include daily life situations at home and in the Hispanic world. (A, CSU)

*Change: title, advisories, catalog description*

16 PRACTICAL SPANISH CONVERSATION,  
 HIGH-INTERMEDIATE LEVEL  
**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Spanish 3 or the equivalent skill level as determined by instructor. ADVISORIES: Eligibility for English 125 and 126.

Spanish conversational skills for students at an intermediate level of language proficiency are further developed. Oral communication and listening comprehension are emphasized. Some reading and writing skills are developed. Designed to improve oral expression and fluency in Spanish as used in travel, at home, in school, at work, and in business. Communication skills will be utilized to help bridge cultural and linguistic barriers and to increase understanding of Hispanic cultures. (A, CSU)

*Change: advisories*

252 PRACTICAL SPANISH FOR  
 THE PROFESSIONS  
**3 units, 3 lecture hours, (Pass/No Pass)**

PREREQUISITES: Spanish 251. ADVISORIES: Eligibility for English 125 and 126.

Second semester of situational Spanish for the professional based on actual case studies. Provides the student with the specific vocabulary, terminology, and cultural insight. Sections offered for the health professions, law enforcement, commercial areas, social work, and public schools personnel.

**THE FOLLOWING CHANGES ARE  
EFFECTIVE SPRING 2012**

# COURSE DESCRIPTIONS

## ENGLISH (ENGL)

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### *Change: hours*

#### 250 BASIC WRITING 4 units, 4 lecture hours, (Pass/No Pass only)

In this course, students will work on getting used to and comfortable with writing and discovering ways to express their ideas to others. Students will also develop an understanding of sentence and paragraph structure. They will begin to find and correct grammatical errors and get used to using computer word processors for writing. This course is a companion to reading course ENGL 260 and prepares students for ENGL 252. Students must satisfactorily complete written course work to receive credit.

## OFFICE TECHNOLOGY (OT)

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### *Change: hours, prerequisites, catalog description*

#### 5 DOCUMENT FORMATTING 1.5 units, 2 lecture hours, 1 lab hour, (Pass/No Pass)

PREREQUISITES: Office Technology 11A.  
ADVISORIES: Eligibility for English 125, 126, and Mathematics 101.

Using current word processing software, students enrolled in this course will learn how to correctly format business documents. Areas of emphasis are letters, memos, reports, column layout, resumes, legal pleadings, medical reports, and other frequently used business documents. (A, CSU)

### *Change: advisories, prerequisites*

#### 12A MICROSOFT EXCEL ESSENTIALS 1.5 units, 1.5 lecture hours, .5 lab hours, (Pass/No Pass) (Repeats=1)

PREREQUISITE: Mathematics 250.  
ADVISORIES: Eligibility for English 126.

This course is designed for the student who wishes to enter the work force with a basic understanding of Microsoft Excel spreadsheets. Topics will include creating and formatting worksheets, using formulas and functions, and creating graphs. Students are expected to complete computer assignments outside of class. (A, CSU)

### *Change: advisories, prerequisites*

#### 12C SPREADSHEET PROJECTS 1.5 units, 1.5 lecture hours, .5 lab hours, (Pass/No Pass) (Repeats=1)

PREREQUISITE: Office Technology 250 and Mathematics 250. ADVISORIES: Eligibility for English 126.

This course is designed to cover advanced spreadsheet operations including pivot tables, sorting and filtering lists, creating macros, linking spreadsheets, and advanced formulas and functions. Students are expected to complete computer assignments outside of class. (A, CSU)

**THE FOLLOWING CHANGES ARE  
EFFECTIVE FALL 2012**

# COURSE DESCRIPTIONS

## LINGUISTICS (LING)

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*Change: advisories, prerequisites, catalog description*

10 INTRODUCTION TO LANGUAGE  
**3 units, 3 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: English 1A or 1AH.

This course examines human language, including its nature, structure, use, history, and acquisition. Emphasis is on the systematic linguistic description of language knowledge and usage. It is recommended for foreign language majors and students who are interested in how language works. (A, CSU-GE, UC, I)

*Change: advisories, prerequisites, title, catalog description*

11 INTRODUCTION TO LANGUAGE  
 FOR TEACHERS  
**3 units, 3 lecture hours, (Pass/No Pass)**  
 PREREQUISITES: English 1A or 1AH.

This course examines human language, including its nature, structure, use, history, and acquisition. Emphasis is on the systematic linguistic description of language knowledge and usage. It is recommended for foreign language majors, liberal studies majors, and students in the Multiple Subject Credential Blended Program. (A, CSU-GE, UC, I)

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 1998 - 2011  
 Reading

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*Business*

BERRY, DONNA (2011)  
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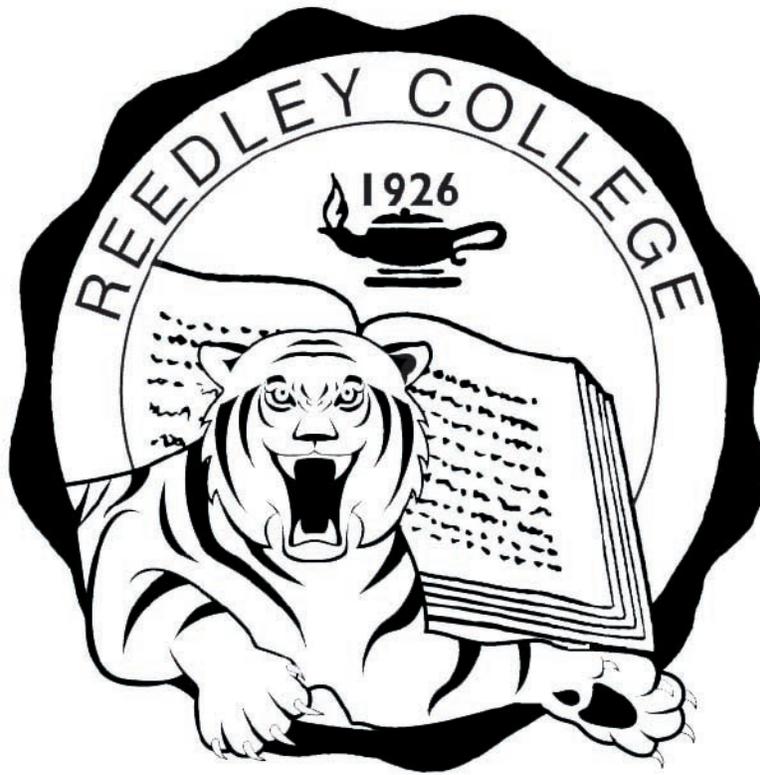
EPPERSON, TAMARA S. (2010)  
*Accounting/Business*

LA TORRACA, COURTNIÉ (2011)  
*Mathematics*

PEARSE, STEPHEN (2010)  
*Physical Education/Baseball Coach*

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*Developmental English*



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*Reedley College Interim Title IX Officer/Section 504/ADA Coordinator  
Lisa McAndrews  
995 N. Reed Ave.  
Reedley, CA, 93654  
559-638-3641 ext. 3258*



**Reedley College is a college of the State Center Community College District.  
This report is available in an alterative format upon request.**



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