DRLT 270  Advanced Construction Techniques  
Units: 1.5  
Hours: 1.0 Lecture and 35.0 Laboratory  
This course covers safety, materials, principles and theory of advanced construction techniques. Topics include following written and verbal directions, construction directly from blueprints, and research techniques. This course has the option of a letter grade or pass/no pass.

DRLT 290  Occupational Work Experience / Drywall - Lathing  
Units: 1.0 TO 4.0  
Hours: 3.0 TO 16.7 Laboratory  
Occupational work experience for students who have a job related to their major. A training plan is developed cooperatively between the employer, college and student. (P/NP grading) 75 hours per semester paid work = 1 unit. 50 hours non-paid (volunteer) work per semester = 1 unit. Student repetition is allowed per title 5 section 55253. Minimum 2.00 GPA. REQUIRED: Declared vocational major. PREREQUISITE: DRLT 200.

Early Childhood Education: see Child Development  
Earth Science: see Geology, Geography

ECOL 1  Conservation of Natural Resources  
Units: 4.0  
Hours: 3.0 Lecture and 3.0 Laboratory  
This course examines the fundamentals of ecology (the study of the relationships between organisms and their environment) with special emphasis on human effects on the environment. Topics of discussion will include ecosystem dynamics, resources, pollution, population growth, and the clash between economic and political policy and the environment. ADVISORY: Eligible for English 250 and English 260.

ECON 11  Statistics for Business and Economics  
Units: 4.0  
Hours: 4.0 Lecture  
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A, GAV-GE:B4  
The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from disciplines including business, social science, psychology, life science, health science, and education. Additional and more extensive case studies from business and economics, emphasizing statistical results that provide guidance for business decisions or suggest solutions to contemporary business and economic problems; use of larger data sets analyzed with computer software programs. (C-ID: MATH 110) PREREQUISITE: Math 233, or Math 233A and Math 233B, or Math 235, or Math 240, or Math 242 with a grade of "C" or better.

ECON 14  Personal Finance  
Units: 3.0  
Hours: 3.0 Lecture  
Transferable: CSU  
This course is designed to assist individuals to analyze their financial affairs for lifelong decision making. Elements and concepts of financial planning and decision making in the areas of budgeting, taxes, borrowing, money management, insurance, investments, retirement, and estate planning will be examined. This course is also listed as BUS 14. This course has the option of a letter grade or pass/no pass. ADVISORY: Math 400

ENGINEERING

ENGR 1  Graphical Communication and Design  
Units: 3.0  
Hours: 2.0 Lecture and 3.0 Laboratory  
Transferable: CSU, UC  
An introduction to the graphical and visual communication of the engineering design process. Topics will include the design process, visualization, free-hand sketching, instrument drawing, scales, orthographic projection, section views, auxiliary views, and dimensioning and tolerancing. Computer based drafting will be used in conjunction with traditional methods to highlight the strengths of multiple communication methodologies. ADVISORY: MATH 1A may be concurrent.

ENGR 2  Statics  
Units: 3.0  
Hours: 3.0 Lecture  
Transferable: CSU, UC  
Vector treatment of two- and three-dimensional force systems acting on particles and engineering structures in equilibrium. Topics include forces, moments, couples, resultants, equilibrium conditions, trusses, centroids, moment of inertia, beams, shear and moment diagrams, cables, fluids and friction. PREREQUISITE: Mathematics 1A and Mathematics 1B and Physics 4A with a grade of 'C' or better.

ENGR 3  Electric Circuit Analysis  
Units: 4.0  
Hours: 3.0 Lecture and 3.0 Laboratory  
Transferable: CSU, UC  
An introduction to the theory of electric circuits. Topics include resistive circuits, voltage and current sources, network theorems, op-amp circuits, energy storage elements, RC, RL, and RLC circuits. PREREQUISITE: Mathematics 2C (may be taken concurrently) and Physics 4B with a grade of 'C' or better.