

TO: BOARD OF TRUSTEES
FROM: SUPERINTENDENT
COMMUNICATION NO. 224-2009/10-AA
Prepared by the Office of Academic Affairs
for Presentation to the Board of Trustees
June 14, 2010

SUBJECT: NEW AND REVISED COURSES

A. BACKGROUND

At the Academic Policies and Procedures regular meetings 127 revised courses (Exhibit "A") and 23 new courses (Exhibit "B") were reviewed for approval.

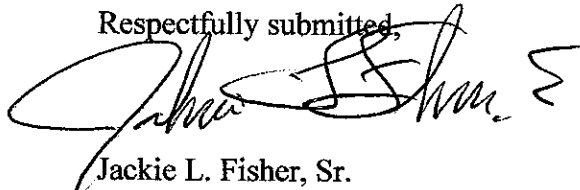
B. BUDGET IMPLICATIONS

It is anticipated that sufficient funds will be available in the 2009-2010 budget to cover the cost of the proposed new and revised courses.

C. RECOMMENDATIONS

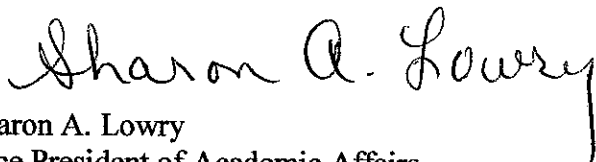
The Board approves the proposed new and revised courses as described in Exhibits "A" and "B".

Respectfully submitted,



Jackie L. Fisher, Sr.
Superintendent/President

Prepared by:



Sharon A. Lowry
Vice President of Academic Affairs

New Courses

The following new courses have been reviewed and are recommended for approval by the Academic Policies and Procedures Committee.

COURSE and BRIEF DESCRIPTION

Water Treatment Courses

WDTO 101 – *Applied Water Treatment and Distribution Mathematics 3 units, 3 hours weekly

Advisory: Eligibility for ENGL 099, READ 099, and MATH 070.

The course is designed to enhance the student's knowledge of the units of measure and type of math calculations used daily in the water treatment and/or distribution fields. The student will become familiar with the units of measure and be able to perform various math calculations involving chemical dosages, chemical feed rates, chemical dilutions and solution concentration, disinfection, flow rate, velocity, time, volume, CT calculation, hydraulics, pressure, force, head and pressure horsepower calculations, cost to pump, specific capacity and well yield, detention time, filtration rate, filter loading and backwash rates, hardness removal capacity and instrument calibration calculations. This course is designed to provide specialized training as defined by the California Department of Public Health for students who wish to enter or who are already employed in the water treatment and water distribution operator fields. This course will help prepare the student for the Grade 1 – 4 level treatment and Grade 1 – 5 level distribution examinations administered by California Department of Health Services. This course may be used as a secondary course required for specialized training as defined by California Department of Public Health. The student must attend at least 36 hours of class time (contact hours) to receive a certificate of successful completion. This ensures acceptance of the certificate by the California Department of Public Health, Operator Certification Branch as a prerequisite to take state exams or contact hours for certificate renewal.

WDTO 105 – *Basic Water Supply Science 3 units, 3 hours weekly

Advisory: Eligibility for ENGL 099, READ 099, and MATH 070.

Basic science concepts that specifically pertain to water transmission and distribution. Covering mathematics, hydraulics, pumping, flow rates, basic water chemistry and chemical dosage, and electricity as relates to water topics and system operations. This course is designed to provide specialized training as defined by the California Department of Health Services for students who wish to enter or who are already employed in the water treatment and water distribution operator fields. The student must attend at least 36 hours of class time (contact hours) to receive a certificate of successful completion. This ensures acceptance of the certificate by the California Department of Public Health, Operator Certification Branch as a prerequisite to take state exams or contact hours for certificate renewal.

WDTO 110 – *Water Chemistry and Quality 3 units, 3 hours weekly

Advisory: Eligibility for ENGL 099, READ 099, and MATH 070.

This course is designed to train potential and current water treatment professionals in understanding various water quality parameters and their significance in drinking water with regard to public safety. Students will learn how drinking water regulations are developed, the chemistry of drinking water contaminants, contaminant monitoring, laboratory procedures and available technologies for removal of contaminants in drinking water. Topics include structure and classification of matter – chemical formula, valence and chemical equations; solutions – acids, bases and salts; groups of contaminants; treatment processes for removal of contaminants; chemistry of treatment processes; chemical dosage problems; water supply regulations; water source protection; water quality monitoring; water laboratory equipment and instruments; and customer complaints investigation. NOTE: This course is designed to provide specialized training as defined by the California Department of Health Services for students who wish to enter or who are already employed in the water treatment and water distribution operator fields. Taken in conjunction with Water Mathematics or Water Treatment, the student will be prepared for Grades 1 – 4 Water Treatment Operator examinations administered by California Department of Health Services. The student must attend at least 36 hours of class time (contact hours) to receive a certificate of successful completion. This ensures acceptance of the certificate by the California Department of Public Health, Operator Certification Branch as a prerequisite to take state exams or contact hours for certificate renewal.

WDTO 115 – *Water Distribution I**3 units, 3 hours weekly**

Advisory: Eligibility for ENGL 099, READ 099, and MATH 070.

This is a basic course covering all aspects of water distribution including, sources of water and hydrologic cycle, water math, basic water chemistry, disinfection, corrosion control, cross connections, bacteriology, hydraulics and the public health aspects of potable water quality and standards. Water distribution system operation and maintenance of wells, valves, pumps, tanks, reservoirs, mains, meters, chlorination systems, appurtenances and safety aspects of waterworks operations. This course is designed to provide specialized training as defined by the California Department of Health Services for students who wish to enter or who are already employed in the water treatment and water distribution operator fields. NOTE: The student must attend at least 36 hours of class time (contact hours) to receive a certificate of successful completion. This ensures acceptance of the certificate by the California Department of Public Health, Operator Certification Branch as a prerequisite to take state exams or contact hours for certificate renewal.

WDTO 116 – *Water Distribution II**3 units, 3 hours weekly**

Advisory: Eligibility for ENGL 099, READ 099, and MATH 070 and completion of WDTO 115

Continuation of Water Distribution I with more in-depth coverage of, water math, water chemistry, disinfection, bacteriology, hydraulics and the public health aspects of potable water quality and standards. Water distribution system operation, maintenance and installation of, valves, pumps, tanks, reservoirs, mains, meters, appurtenances and safety aspects of waterworks operations. This course is designed to provide specialized training as defined by the California Department of Health Services for students who wish to enter or who are already employed in the water treatment and water distribution operator fields. Prepares student for Grade III and Grade IV water distribution certification examinations administered by California Department of Health Services. The student must attend at least 36 hours of class time (contact hours) to receive a certificate of successful completion. This ensures acceptance of the certificate by the California Department of Public Health, Operator Certification Branch as a prerequisite to take state exams or contact hours for certificate renewal.

WDTO 120 – *Water Treatment I**3 units, 3 hours weekly**

Advisory: Eligibility for ENGL 099, READ 099, and MATH 070.

This course is designed to train potential and current water treatment professionals in understanding the water treatment process. The course content, selected from expected range of knowledge for Grades 1 & 2 Operator Certification, Drinking Water Program, State of California, includes sources of raw water supplies, treatment requirements for different sources, various water quality parameters and their significance in drinking water with regard to public safety. Students will learn how to operate a drinking water treatment plant according to State regulations. Topics include treatment processes for removal of contaminants; elementary water chemistry; chemical dosage problems; water supply regulations; water source protection; water quality monitoring; distribution system operation; and customer complaints investigation. NOTE: The student must attend at least 36 hours of class time (contact hours) to receive a certificate of successful completion. This ensures acceptance of the certificate by the California Department of Public Health, Operator Certification Branch as a prerequisite to take state exams or contact hours for certificate renewal.

Work Experience Course**WE 197 – *General Work Experience****1-3 units, Variable hours**

Prerequisite: To participate in work experience, students must have a job or internship which is either paid or voluntary and have the approval of the supervisor and instructor supervising work experience in the specific subject area. **PRIOR TO ENROLLING**, students must attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation.

General Work Experience is supervised employment that is designed to assist students to acquire desirable work habits, attitudes and skills so as to enable them to become productive employees. This course also provides students with career awareness for jobs. General work experience is available to students whose jobs are not related to their college major. Credit may be accrued at the rate of one to six units per semester. For the satisfactory completion of all types of Cooperative Work Experience Education (WE 197 and WE 199), students may earn up to a total of sixteen semester credit hours. (CSU, AVC) (R3)

Distance Education Courses

BUS 101 – Introduction to Business
New hybrid

3 units, 3 hours weekly

CIS 174 – *Introduction to C#.NET Programming
New hybrid

3 unit, 4 hours weekly

ECON 101 – *Principles of Macroeconomics New hybrid	3 units, 3 hours weekly
ECON 102 – *Principles of Macroeconomics New hybrid	3 units, 3 hours weekly
HD 100 DE – *Basic Strategies for College Success New Online Only	1.5 units, 24 hours total
HD 103 DE – * Career Planning New Online Only	1.5 units, 24 hours total
HIST 107 – U.S. History 1607-1877 New hybrid	3 units, 3 hours weekly
HIST 108 – U.S. History, 1877-Present New hybrid	3 units, 3 hours weekly
LAC 900 DE - Supervised Tutoring New Online Only	Average of 20-50 hours total
MOA 101 – *Beginning Medical Terminology New hybrid	3 units, 3 hours weekly
NF 100 DE – *Nutrition New Hybrid	3 units, 3 hours weekly
NF 102 DE – *Nutrition and Food for Children New Hybrid	3 units, 3 hours weekly
OT 105 – Beginning Keyboarding Technique New hybrid	12.5 units, 30 hours total
POLS 101 – American Political Institutions New hybrid	3 units, 3 hours weekly
PSY 101 – General Psychology New hybrid	3 units, 3 hours weekly
SOC 101 – Introduction to Sociology New hybrid	3 units, 3 hours weekly

*Course can be taken for a grade or for pass/no pass.

(CSU, AVC) - Transferability is noted. Transfer to the UC system must be approved through a formal process and will not be listed here.

(R#) – This notation indicates if a course can be repeated and how many times.

Revised Courses

The following courses have been revised and are recommended for approval by the Academic Policies and Procedures Committee (AP&P).

Note of clarification: All Course Outlines of Record for Antelope Valley College curriculum are in the process of being revised or updated to meet Title 5 regulations with regard to course content, objectives and student evaluation. Course Revisions listed first have had the Course Outline revised as well as other "specific" changes (e.g., title, units, requisites, etc.); Course Outline Updates only are listed at the end of this report as well as courses that have become obsolete.

COURSES and REVISIONS

Administration of Justice Courses

AJ 208 – Introduction to Forensic Science 3 units, 3 hours weekly
Course Outline Revision

Accounting Courses

ACCT 113 – *Bookkeeping II 3 units, 3 hours weekly
Course Outline Revision

ACCT 201 – *Financial Accounting 4 units, 4 hours weekly
Course Outline Revision

ACCT 205 – *Managerial Accounting 4 units, 4 hours weekly
Course Outline Revision

Air Conditioning and Refrigeration Courses

ACRV 198 - *Heating and Air Conditioning Seminars Variable units, Variable hours
Course Outline Revision

Automotive Technology Courses

AUTO 113 – *Automotive Engine Rebuilding (Advanced) 4 units, 8 hours weekly
Prerequisite: Completion of AUTO 110 or AUTO 111 and AUTO 112.

Revise to:

Prerequisite: Completion of AUTO 110, or Completion of both AUTO 111 and AUTO 112.

Repeatability changed from a (R3) to a (R1)

Course Outline Revision

AUTO 276 – *California Clean Air Car Course 8 units, 140 hours total
Advisory: Completion of AUTO 100, AUTO 150, AUTO 176 and AUTO 177. Eligibility for ENGL 099, READ 099, and MATH 070.

Revise to:

Advisory: Completion of AUTO 150, AUTO 176 and AUTO 177. Eligibility for ENGL 099, READ 099, and MATH 070.

Course Outline Revision

Business Courses

BUS 101 – *Introduction to Business 3 units, 3 hours weekly
Course Outline Revision

BUS 105 – *Business Mathematics 3 units, 3 hours weekly
Course Outline Revision

BUS 113 – *Business Communications 3 units, 3 hours weekly
Course Outline Revision

BUS 212 – *Women in Organizations 3 units, 3 hours weekly
Course Outline Revision

Chemistry Courses

CHEM 205 – Quantitative Analysis
Course Outline Revision 4 units, 6 hours weekly (3 hours lecture, 3 hours lab)

Computer Applications Courses

CA 131 – *Relational Database Management and Design
Title Change
Course Outline Revision 3 units, 4 hours weekly

CA 171 – *Introduction to Networking
Course Outline Revision 3 units, 4 hours weekly

CA 176 – *Windows 2003 Networking
Title Change to: Windows Server Networking
Course Outline Revision 3 units, 4 hours weekly

CA 182 – *Network Security
Prerequisite: Completion of CA 171 or CA 176
Advisory: Eligibility for ENGL 099, READ 099 and MATH 102
Revised to:
Advisory: Completion of CA 171 or CA 175 and Eligibility for ENGL 099, READ 099 and MATH 102
Course Outline Revision 3 units, 4 hours weekly

Communication Studies Courses

COMM 215 – Public Relations Communication
Change course hours to 3 hours weekly
Course Outline Revision 3 units, 3 hours weekly

Computer Information Sciences Courses

CIS 101 – *Introduction to Computer Information Science
Course Outline Revision 3 units, 4 hours weekly

CIS 111 – *Introduction to Programming and Algorithms
Course Outline Revision 3 units, 4 hours weekly

CIS 113 – *Data Structures
Course Outline Revision 3 units, 4 hours weekly

CIS 123 – *Assembly Language & Computer Architecture
Course Outline Revision 3 units, 4 hours weekly

CIS 141 – *Intro Basic Programming
Course Outline Revision 3 units, 4 hours weekly

Drafting/Computer Aided Design Courses

DRFT 130 – *Architectural Drafting 1
Course Outline Revision 3 units, 6 hours weekly

DRFT 240 – *Electronic Drafting
Course Outline Revision 3 units, 6 hours weekly

Economics Courses

ECON 101 – *Principles of Macroeconomics
Course Outline Revision 3 units, 3 hours weekly

ECON 102 – *Principles of Macroeconomics
Course Outline Revision 3 units, 3 hours weekly

Engineering Courses

ENGR 130 – Materials Science Course Outline Revision	3 units, 3 hours weekly
ENGR 130L – Materials Science Lab Course Outline Revision	1 units, 3 hours weekly
ENGR 210 – Statics Course Outline Revision	3 units, 3 hours weekly
ENGR 210PS – *Statics Problem Solving Session Course Outline Revision	1 unit, 1 hour weekly

English Courses

ENGL 256 – *Chicano Literature Course Outline Revision	3 units, 3 hours weekly
ENGL 257 – *Native American Literature Course Outline Revision	3 units, 3 hours weekly
ENGL 299 – *Special Topics in Literature Course Outline Revision	3 units, 3 hours weekly

English as a Second Language Courses

ESL 018 – ESL Reading and Writing 1 Repeatability Removed per Title 5	3 units, 3 hours weekly
ESL 019 – ESL Skills Building 1 Repeatability Removed per Title 5	5 units, 5 hours weekly
ESL 020 – ESL Vocabulary and Pronunciation 2 Repeatability Removed per Title 5	4 units, 4 hours weekly
ESL 023 – ESL Grammar 2 Repeatability Removed per Title 5	3 units, 3 hours weekly
ESL 028 – ESL Reading and Writing 2 Repeatability Removed per Title 5	3 units, 3 hours weekly
ESL 029 – ESL Skills Building 2 Repeatability Removed per Title 5	5 units, 5 hours weekly
ESL 030 – ESL Vocabulary and Pronunciation 3 Repeatability Removed per Title 5	4 units, 4 hours weekly
ESL 033 – ESL Grammar 3 Repeatability Removed per Title 5	3 units, 3 hours weekly
ESL 038 – ESL Reading and Writing 3 Repeatability Removed per Title 5	3 units, 3 hours weekly
ESL 039 – ESL Skills Building 3 Repeatability Removed per Title 5	5 units, 5 hours weekly
ESL 040 – ESL Vocabulary and Pronunciation 4 Repeatability Removed per Title 5	4 units, 4 hours weekly
ESL 043 – ESL Grammar 4 Repeatability Removed per Title 5	3 units, 3 hours weekly

ESL 048 – ESL Reading and Writing 4 Repeatability Removed per Title 5	3 units, 3 hours weekly
ESL 049 – ESL Skill Building 4 Repeatability Removed per Title 5	5 units, 5 hours weekly
ESL 058 – ESL Reading and Writing 5 Repeatability Removed per Title 5	3 units, 3 hours weekly
ESL 059 – ESL Skill Building 5 Repeatability Removed per Title 5	5 units, 5 hours weekly

Fire Technology Courses

FTEC 102 – *(I-200) Basic Incident Command System Course Outline Revision	1 units, 16 hours total
FTEC 111 – *Fire Protection Organization Course Outline Revision	3 units, 3 hours weekly
FTEC 112 – *Fire Prevention Technology Course Outline Revision	3 units, 3 hours weekly
FTEC 113 – *Fire Protection Equipment and Systems Course Outline Revision	3 units, 3 hours weekly
FTEC 114 – *Building Construction for Fire Protection Course Outline Revision	3 units, 3 hours weekly
FTEC 115 – *Fire Behavior and Combustion Course Outline Revision	3 units, 3 hours weekly
FTEC 120 – *(S-212) Wildfire Power Saws Title Change Course Outline Revision	2 units, 32 hours total
FTEC 122 – *Wildland Firefighter Course Outline Revision	4 units, 5 hours weekly
FTEC 125 – Haz Mat First Responder Operations Course Outline Revision	1.5 units, 24 hours total
FTEC 126 – *Wildland Fire Behavior Course Outline Revision	3 units, 3 hours weekly
FTEC 127 – *Wildland Firefighter Safety and Survival Course Outline Revision	3 units, 3 hours weekly
FTEC 128 – *Wildland Fire Operations Course Outline Revision	3 units, 3 hours weekly
FTEC 129 – Wildland Public Information Office, Prev & Inv Course Outline Revision	3 units, 3 hours weekly
FTEC 130 – *Wildland Fire Logistics, Finance and Planning Course Outline Revision	3 units, 3 hours weekly
FTEC 131 – *(L-280) Followership to Leadership Course Outline Revision	1 units, 16 hours total
FTEC 132 – *(S-131) Advanced Firefighter Training Course Outline Revision	0.5 units, 8 hours total

FTEC 137 – *(S-211) Portable Pumps and Water Use Course Outline Revision	1 units, 16 hours total
FTEC 138 – Wildland Engine Firefighter Course Outline Revision	4 units, 5 hours weekly
FTEC 142 – *(P-151) Wildland Fire Origin & Cause Det Course Outline Revision	1.5 units, 27 hours total
FTEC 150 – *(S-270) Basic Air Operations Course Outline Revision	0.5 units, 16 hours total
FTEC 240 – *Fuel Management and Fire Use Course Outline Revision	1.5 units, 24 hours total

Human Development Courses

HD 100 – *Basic Strategies for College Success Course Outline Revision	1.5 units, 24 hours total
HD 103 – *Career Planning Course Outline Revision	1.5 units, 24 hours total

Learning Assistance Courses – Non Credit

LAC 900 – Supervised Tutoring Course Outline Revision	Average of 20-50 hours total
LAC 901 – Supervised Learning Assistance Course Outline Revision	Average of 10-30 hours total

Library Studies Courses

LIB 107 – *Information Literacy Course Outline Revision	3 units, 3 hours weekly
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Management Courses

MGT 121 – *Human Resources Management Course Outline Revision	3 units, 3 hours weekly
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Marketing Courses

MKTG 101 – *Principles of Marketing Course Outline Revision	3 units, 3 hours weekly
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Mathematic Courses

MATH 135 – *Plane Trigonometry Advisory: Completion of MATH 102, or Eligibility for MATH 135 and Completion of MATH 080, and Eligibility for College Level Reading or Completion of ENGL 101 <i>Revised to:</i> <i>Advisory: Eligibility for College Level Reading or Completion of ENGL 101</i> <i>Prerequisite: Completion of MATH 102 and MATH 080, or Eligibility for MATH 135</i> Course Outline Revision	3 units, 3 hours weekly
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Medical Office Assisting Courses

MOA 101 – *Beginning Medical Terminology Course Outline Revision	3 units, 3 hours weekly
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Nutrition and Foods Courses

NF 100 – *Nutrition Course Outline Revision	3 units, 3 hours weekly
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NF 102 – *Nutrition and Food for Children
Course Outline Revision 3 units, 3 hours weekly

Office Technology Courses

OT 105 – Beginning Keyboarding Technique
Course Outline Revision 1 units, 30 hours total

OT 113 – *Advanced Microsoft Word
Course Outline Revision 3 units, 4 hours weekly

OT 201 – *Administrative Office Procedures
Course Outline Revision 3 units, 3 hours weekly

Psychology Courses

PSY 215 – *Psychology of Prejudice
Course Outline Revision 3 units, 3 hours weekly

PSY 235 – Child Psychology
Course Outline Revision 3 units, 3 hours weekly

Reading Courses

READ 150 – *Speed Reading
Course Outline Revision 2 units, 3 hours weekly

READ 175 – Literacy Tutoring and Supervised Field Experience
Changed to ED 175
Course Outline Revision 4 units, 8 hours weekly

Registered Nursing Courses

NS 110 – Professional Nursing I
Course Outline Revision 1.5 units, 1.5 hours weekly

NS 120 – Professional Nursing II
Course Outline Revision 0.5 unit, 0.5 hour weekly

NS 240 – Professional Nursing IV
Course Outline Revision 1 unit, 1 hour weekly

Theatre Arts Courses

THA 102 – *Introduction to Stagecraft
Course Outline Revision 3 units, 2 hours lecture weekly, 48 hours lab total

THA 103 – *Introduction to Stage Lighting
Course Outline Revision 3 units, 2 hours lecture weekly, 48 hours lab total

THA 120D – *Rehearsal and Performance: Children's Theatre
Course Outline Revision 1-3 units, 54-162 hours total

Work Experience Course

WE 199 – *Occupational Work Experience
Course Outline Revision 1-4 units, Variable hours

REVISED Distance Education Courses

ACCT 201 DE – *Financial Accounting
Revised hybrid equivalent 4 units, 4 hours weekly

BUS 212 DE – *Women in Organizations
Revised Online Only equivalent 3 units, 3 hours weekly

CA 171 DE – *Introduction to Networking Revised hybrid equivalent	3 units, 4 hours weekly
CIS 101 DE – *Introduction to Computer Information Science Revised Online Only equivalent	3 units, 4 hours weekly
ESL 033 DE – ESL Grammar 3 Revised hybrid equivalent	3 units, 3 hours weekly
ESL 043 DE – ESL Grammar 4 Revised hybrid equivalent	3 units, 3 hours weekly
ESL 048 DE – ESL Reading and Writing 4 Revised hybrid equivalent	3 units, 3 hours weekly
ESL 058 DE – ESL Reading and Writing 5 Revised hybrid equivalent	3 units, 3 hours weekly
LIB 107 DE – *Information Literacy Revised Online Only equivalent	3 units, 3 hours weekly

Material Fee Increase

- NS 111 – Fundamentals of Nursing Science
- NS 121 – Obstetrical, Neonatal and Women’s Health Nursing
- NS 231 – Pediatric, Community Health Nursing
- NS 232 – Psychiatric/Geriatric/Community Health Nursing
- NS 241 – Medical/Surgical Nursing II
- VN 101 – Self-care: Fundamentals and Pharmacology
- VN 102 – Nursing to Promote Self-Care Agency in the Adult Patient and the Child-Bearing Family
- VN 103 – Nursing to Promote Self-Care Agency in the Adult, the Child and the Dependent-Care Agent

Obsolete Courses (Courses will be deleted from 2010-11 College Catalog)

- ACRV 215 – Commercial Refrigeration Systems and Controls
- ACRV 225 – Commercial Air Conditioning Controls and Systems
- CHEM 222 – Organic Chemistry Support Laboratory
- LAC 939 – Prep for Success in Corp Train
- LAC 941 – Special Topics in WFDV
- LAC 942 – Learning Skills Lab for WFDV
- NS 199 – Work Experience
- OT 107 – Keyboarding Speed and Accuracy
- THA 105 – Introduction to Lighting Design
- WDTO 901 – App Water Treat & Dist Math I & II
- WDTO 905 – Basic Water Supply Science
- WDTO 910 – Water Chemistry and Quality
- WDTO 915 – Water Distribution I
- WDTO 916 – Water Distribution II
- WDTO 920 – Water Treatment I

Discipline will be removed from 2010-11 College Catalog

- Culinary Arts
- Nurse Aide and Home Health Aide

*Course can be taken for a grade or for pass/no pass.