

EL CAMINO COLLEGE
MINUTES OF THE COLLEGE CURRICULUM COMMITTEE
December 5, 2017

CALL TO ORDER

Meeting called to order at 2:32 p.m. by Chair Young.

Recorder: C. Escutia

Members:

Present: M. Anderson, C. Cervantes, M. Chaban, R. Davis, R. Donegan, R. Ekimyan, D. Eldanaf,
E. French-Preston, C. Glover, J. Minei, D. Roman, J. Shankweiler, C. Striepe

Absent: R. Miranda

Ex-Officio Members:

Present: L. Clowers, L. Plum, L. Suekawa, L. Young

Absent: I. Castro, A. Osanyinpeju

Guests: E. Ambrosia, P. Barthel, P. Fairchild, M. Fujiwara, M. Ghyam, S. Kushigemachi, L. Linka
C. Neumann, D. Pahl, S. Russell, A. Simon, J. Sims

I. APPROVAL OF MINUTES

Minutes of November 7, 2017 and November 21, 2017, were approved via email by the College Curriculum Committee on December 5, 2017.

II. CHAIR'S REPORT

College Curriculum Committee Chair – J. Young

Chair Young began by thanking the committee and announcing, that after today's meeting, the CCC will have reviewed and approved 159 courses and 40 certificates. This was truly a herculean task and a worthy accomplishment.

Chair Young thanked J. Minei for serving on the Standard Review Committee. She mentioned that since the review feature for degrees and certificates was inoperable, she and J. Minei reviewed hard copies of the courses together. This proved to be a good training exercise. Chair Young mentioned that, later in the meeting, she would be asking for volunteers for Standard Review for the spring meetings. She said that if anyone feels apprehensive about serving on the Standard Review Committee, she would be happy to review the proposals with them in an individual training session.

III. CURRICULUM ADVISOR'S REPORT

Curriculum Advisor – L. Plum

L. Plum reminded the committee that spring division plans are due today, December 5. An email reminder was sent out, but a few division plans are still outstanding. In January, Chair Young and L. Plum will be meeting with the CCC reps and deans to discuss moving forward for spring. Please send division plans as soon as possible.

IV. CURRICULUM REVIEW

A. Full Course Review

The committee approved the following courses, which are ready for final action:

1. Automotive Collision Repair/Painting 3B (ACRP 3B) Computerized Collision Damage Estimating
2. Automotive Technology 26 (ATEC 26) Automotive Testing and Diagnosis
3. Business 15 (BUS 15) Business Mathematics
4. Business 17 (BUS 17) Personal Finance
5. Business 29 (BUS 29) Oral Business Communications
6. Computer Information Systems 137 (CIS 137) Computer Networking Fundamentals
7. Computer Science 7 (CSCI 7) The Beauty of Computer Science Principles
8. English 1AS (ENGL 1AS) Reading and Composition Support
9. Supervision 27 (SUPV 27) Oral Business Communications

B. Full Program Review

The committee approved the following programs, which are ready for final action:

1. ACR: Automation Fundamentals Certificate of Accomplishment
2. ACR: Heating Technologies Certificate of Accomplishment
3. ACR: HVACR Electrical Fundamentals Certificate of Accomplishment
4. ACR: HVACR Fundamentals Certificate of Accomplishment
5. ACR: Refrigeration Fundamentals Certificate of Accomplishment
6. Administration of Justice: Homeland Security Essentials Certificate of Accomplishment
7. ACRP: Automotive Collision Repair Certificate of Achievement
8. ACRP: Automotive Painting and Refinishing Certificate of Achievement
9. ACRP: Damage Estimating Certificate of Accomplishment
10. CTEC: Residential Construction Trainee Certificate of Accomplishment
11. CTEC: Residential Electrical Trainee Certificate of Accomplishment
12. CTEC: Residential Plumbing Trainee Certificate of Accomplishment
13. CTEC: Residential Remodeling Trainee Certificate of Accomplishment
14. English: Creative Writing Certificate of Accomplishment
15. Fire and Emergency Technology: Fire Explorer Certificate of Accomplishment
16. Welding: Structural Steel Fabrication Certificate of Accomplishment
17. Welding: Semi-Automatic Welding Certificate of Accomplishment
18. Welding: Gas Tungsten Arc Welding (GTAW) Ferrous and Non-Ferrous Metals Certificate of Accomplishment
19. Welding: Shielded Metal Arc Welding (SMAW) Structural Steel Certificate of Accomplishment
20. Women's Studies: Women's, Gender and Sexuality Studies A.A. Degree

C. Consent Agenda - Course Proposals

The committee approved the following courses, which are ready for final action:

1. Automotive Collision Repair/Painting 3A (ACRP 3A) Introduction to Automotive Collision Estimating
2. Biotechnology 1 (BTEC 1) Basic Techniques of Biological Technology
3. Biotechnology 2 (BTEC 2) Advanced Techniques of Biological Technology

D. Consent Agenda - Program Proposals

The committee approved the following programs, which are ready for final action:

1. Architecture A.S. Degree
2. Architecture Certificate of Achievement
3. Automotive Collision Repair/Painting A.S. Degree
4. Construction Technology A.S. Degree
5. Construction Technology Certificate of Achievement
6. Fashion: Fashion Stylist Certificate of Achievement
7. FTEC: Fire Academy Certificate of Achievement
8. Physical Education A.A. Degree
9. Physical Education: Kinesiology AA-T Degree
10. Welding A.S. Degree
11. Welding Certificate of Achievement

CURRICULUM DISCUSSION

A. Full Course Review

Business Division

Business 15, Business 17, Business 29, and Supervision 27 were presented for course review to propose CSU GE Certification. Minor revisions to the topics and outline were made, minor typos corrected, and the textbook was updated for Business 17.

Computer Information Systems 137 was presented as a new course. L. Suekawa commented course is appropriate for CSU transfer but not for UC, outline was corrected.

There were no questions or comments from the committee.

It was moved by M. Chaban to approve, J. Minei seconded. The motion carried.

Humanities Division

English 1AS was presented as a new course. Faculty member S. Kushigemachi explained it was being proposed as a new course for compliance with AB705, a new law signed by the Governor, which requires that students complete transferable level math and English courses in the first year. The new course will serve as a supplemental

writing course taught in conjunction with English 1A. A suggestion was made to move two of the textbooks to the supplemental reading section, which was approved. There were no further questions or comments from the committee.

It was moved by C. Glover to approve, C. Striepe seconded. The motion carried.

Industry & Technology Division

Automotive Collision Repair/Painting 3B was presented as a new course. Minor revisions were made to the course description and to the learning outcome as suggested by C. Glover.

Automotive Technology 26 was presented for CTE 2-year review. Matching was completed for the prerequisite courses.

There were no other comments or questions from the committee.

It was moved by M. Anderson to approve, C. Striepe seconded. The motion carried.

Mathematics Division

Computer Science 7 - The Beauty of Computer Science Principles was presented as a new course. Dean J. Sims and faculty members Edwin Ambrosio, Massoud Ghyam and Solomon Russell were present. S. Russell explained that the course name was inspired by changes taking place at the national level of computer science related to reducing gender and ethnic gaps. Computer Science courses have been redesigned to appeal to everyone, not just hardcore programmers. There were no questions or comments from the committee.

It was moved by M. Chaban to approve, D. Roman seconded. The motion carried.

B. Full Program Review

Behavioral & Social Sciences Division

Women's, Gender and Sexuality Studies A.A. Degree was presented as a new program. Faculty members Melissa Fujwara (Sociology) and Angela Simon (Psychology) were present. M. Fujwara explained that colleague Stacey Allen did most of the work creating the new degree but was unable to attend today's CCC meeting. Degree was created to meet the changing needs and interests of students and institutional changes taking place. There were no questions or comments from the committee.

It was moved by C. Cervantes to approve, J. Minei seconded. The motion carried.

Humanities Division

Creative Writing Certificate of Accomplishment was presented as a new program. There were no questions or comments from the committee.

It was moved by C. Glover to approve, E. French-Preston seconded. The motion carried.

Industry & Technology Division

Automotive Collision Repair/Painting I & II Certificates of Achievement were presented for program revision in order to change the names to Automotive Collision Repair and Automotive Painting and Refinishing, which more directly reflect the course content. There were no questions or comments from the committee.

Administration of Justice, Air Conditioning and Refrigeration, Automotive Collision Repair/Painting, Construction Technology, Fire and Emergency Technology, and Welding Certificates of Accomplishments were presented as new certificate programs. Low unit Certificates of Accomplishment are approved by the Chancellor's Office. A discussion was held with the divisions regarding the possibility of offering the Certificates of Accomplishments as Certificates of Achievements in the future. Chair Young explained the difference between a certificate and an accomplishment. If a certificate is 18 units or more, it must be a Certificate of Achievement. If a certificate is 12-17 units, you have a choice between the two; however, a Certificate of Achievement is more advantageous as it will be included on the student's transcript.

The Welding programs had a few typos corrected, and Gas Arc Welding (GTAW) Ferrous and Non-Ferrous Metals, the units were changed from 14 to 15.

Fire and Emergency Technology: Fire Explorer certificate was presented by C. Neumann, who explained the certificate program is being developed in conjunction with the Torrance High Schools pilot Fire Explorer program, which is looking to expand. This certificate will acknowledge the student's accomplishment and hopefully encourage them to continue in the Fire and Emergency Technology program at El Camino.

There were no further questions or comments from the committee.

It was moved by R. Davis to approve the Industry & Technology program proposals, J. Minei seconded. The motion carried.

C. Consent Agenda Course Proposals & Program Proposals

Automotive Collision Repair/Painting 3A was presented for course reactivation.

Biotechnology 1 and 2 were presented for course inactivation, since they have not been offered since the 2010/2011 academic year. Chair Young mentioned that the justification provided was extremely well-written and serves as a good model.

The 11 program proposals were reviewed by the Standard Review Committee with no changes.

It was moved by R. Donegan, seconded by E. French-Preston, that the committee approve the 14 consent agenda course and program proposals. The motion carried.

V. CURRICULUM TRAINING

Chair Young presented training focusing on capturing all the changes on the Course Review page with regard to revisions. She reminded the CCC to verify that any changes that are made to the course outline are captured on the page. Answering “yes” to any question requires a justification. This information is used to review the outline, and after it is approved, to develop the minutes and the Board Agenda Items, so it is imperative that this information is accurate.

VI. VICE PRESIDENT’S REPORT

Vice President of Academic Affairs – J. Shankweiler

J. Shankweiler thanked the Standard Review Committee for their help in reviewing curriculum. She reported that a meeting was held with the Chancellor’s office regarding code alignment. 3-5 degree and certificate areas will be selected for review to verify that the TOP, CIP, SOC, and SAM codes are all correct. A worksheet was provided which allows a comparison of the various codes in our system with the programs and courses. Once completed, the Chancellor’s Office and the Statewide Curriculum Committee will review for errors. If the wrong code is used, the college is not getting credit for the degrees and certificates earned.

VII. ANNOUNCEMENTS

- Chair Young requested volunteers for the Standard Review Committee for spring 2018. The Standard Review Committee is as follows:

Standard Review Committee for Spring 2018	
February 13, 2018	Rebecca Donegan
February 27, 2018	Diaa Eldanaf
March 13, 2018	Laurie Houske
March 27, 2018	Mark Lipe
April 24, 2018	Monica Chaban
May 8, 2018	Jon Minei
May 22, 2018	Claudia Striepe
June 5, 2018	Adrienne Sharp

- Chair Young thanked Christopher Glover and Danielle Roman for stepping in to represent the committee for the Fall semester. She presented them with a certificate in honor of their service.
- CCC Meeting #8: February 13, 2018 – 2:30 - 4:30 p.m., DE/Library 166

VIII. ADJOURNMENT

Chair Young called for a motion to adjourn the meeting. M. Chaban moved to adjourn, C. Glover seconded, and the motion carried. Meeting was adjourned at 3:19 p.m.

EL CAMINO COLLEGE
COLLEGE CURRICULUM COMMITTEE

December 5, 2017

Approved Curriculum Changes Proposed for 2018-2019

New Courses

1. Automotive Collision Repair/Painting 3B - Computerized Collision Damage Estimating
Units: 3.0 Lecture Hours: 3.0 Lab hours: 0 Faculty Load: 20.00%
Prerequisite: Automotive Collision Repair/Painting 3A with a minimum grade of C or equivalent
Grading Method: Letter
Credit Status: Associate Degree Credit
Proposed CSU Transfer

This course provides instruction on the development of computer-generated damage estimate using both Certified Collateral Corporation's One software (CCC One) and Mitchell estimating software. Students expand their knowledge of non-structural, manual estimate writing by: examining and estimating structurally damaged vehicles that require frame straightening, structural panel replacement, vehicle sectioning, electrical and mechanical repairs, suspension alignment and wheel alignment. Students also learn how to make use of the digital documentation, work flow and business management features of the software to run an efficient and profitable repair shop.

2. Computer Information Systems 137 - Computer Networking Fundamentals
Units: 3.0 Lecture Hours: 2.0 Lab hours: 3.0 Faculty Load: 28.33%
Recommended Preparation: Computer Information Systems 13 or equivalent experience
Grading Method: Letter
Credit Status: Associate Degree Credit
Proposed CSU Transfer

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP (Internet Protocol) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for further study of computer networks. The OSI (Open Systems Interconnection) and TCP (Transmission Control Protocol) layered models are used to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. Students will learn to configure, troubleshoot and resolve problems within a network.

3. Computer Science 7 - The Beauty of Computer Science Principles
 Units: 4.0 Lecture Hours: 3.0 Lab hours: 3.0 Faculty Load: 35.00%
 Prerequisite: Credit in Mathematics 37 or Mathematics 40 with a minimum grade of C in prerequisite or qualification by testing (El Camino College Mathematics Placement Test) and assessment
 Grading Method: Letter
 Credit Status: Associate Degree Credit
 Proposed CSU Transfer
 Proposed UC Transfer
 El Camino College AA/AS General Education - Area 4B

This course introduces students to the central ideas of computer science, inviting students to develop the computational thinking vital for success in computer programming and across multiple disciplines. The course is unique in its focus on fostering students to be creative and encouraging students to apply innovative processes when developing computational artifacts such as a visualization, graphic or movie. Students will design and program inventive solutions to computational problems using an iterative process similar to what computer scientists, engineers, artists, and writers use to bring ideas to life.

4. English 1AS - Reading and Composition Support
 Units: 2.0 Lecture Hours: 2.0 Lab hours: 0 Faculty Load: 13.33%
 Prerequisite: Eligibility for English A and English 84
 Corequisite: English 1A
 Grading Method: Pass/No Pass
 Credit Status: Associate Degree Credit

This is a supplemental writing course taught in conjunction with English 1A. It is designed for students who would have traditionally placed into English A and English 84 but choose to enroll in English 1A. Students receive instruction in the basic elements of the college essay and receive additional support for topics covered in English 1A.

Course Review; Change in Catalog Description

1. Business 29 - Oral Business Communications
Current Status/Proposed Changes

In this course, students will ~~learn the principles of~~ compose and deliver original business presentations with focus on effective speaking in business situations. ~~Interviews, conferences, briefings, and group discussions will be covered. Techniques~~ The course will focus on techniques of research, preparation, presentation, and evaluation are emphasized. Various business formats including interviewing, delivering formal business presentations, speaking within a small group and interpersonal conversations, impromptu speaking and briefings will be covered.

Recommendation

In this course, students will compose and deliver original business presentations with focus on effective speaking in business situations. The course will focus on techniques of research, preparation, presentation, and evaluation. Various business formats including interviewing, delivering formal business presentations, speaking within a small group and interpersonal conversations, impromptu speaking and briefings will be covered.

2. Supervision 27 - Oral Business Communications
Current Status/Proposed Changes

~~In this course, students will learn the principles of~~ compose and deliver original business presentations with focus on effective speaking in business situations. ~~Interviews, conferences, briefings, and group discussions will be covered. Techniques~~ The course will focus on techniques of research, preparation, presentation, and evaluation ~~are emphasized.~~ Various business formats including interviewing, delivering formal business presentations, speaking within a small group and interpersonal conversations, impromptu speaking and briefings will be covered.

Recommendation

In this course, students will compose and deliver original business presentations with focus on effective speaking in business situations. The course will focus on techniques of research, preparation, presentation, and evaluation. Various business formats including interviewing, delivering formal business presentations, speaking within a small group and interpersonal conversations, impromptu speaking and briefings will be covered.

Course Review; Changes in Conditions of Enrollment (Pre/Corequisite, Recommended Preparation or Enrollment Limitation), Catalog Description, Grading Method

1. Business 15 - Business Mathematics
Current Status/Proposed Changes

Prerequisite: Mathematics 40

Grading Method: ~~Both~~ Letter

This course is designed to prepare students for mathematical concepts involving quantitative reasoning and analysis in management, finance, accounting, real estate, and other areas of business. The course content involves a thorough study of all aspects of business mathematics including ~~basic~~ computational skills, ~~fractions, decimals,~~ percentages, bank reconciliation, use of business formulas and equations, payroll, discounts, and markup/markdowns, simple and compound interest, present values analysis, annuities and sinking funds, credit, depreciation and inventory, payroll taxes, promissory notes, insurance, financial reports, and business statistics.

~~Note: Letter grade or pass/no pass option.~~

Recommendation

Prerequisite: Mathematics 40

Grading Method: Letter

This course is designed to prepare students for mathematical concepts involving quantitative reasoning and analysis in management, finance, accounting, real estate, and other areas of business. The course content involves a thorough study of all aspects of business mathematics including computational skills, percentages, bank reconciliation, use of business formulas and equations, payroll, discounts, and markup/markdowns, simple and compound interest, present values analysis, annuities and sinking funds, credit, depreciation and inventory, payroll taxes, promissory notes, insurance, financial reports, and business statistics.

2. Business 17 - Personal Finance

Current Status/Proposed Changes

Prerequisite: Mathematics 40

Grading Method: ~~Both~~ Letter

In this course, students will learn how to develop personal financial goals and how to use financial planning to help achieve life goals. Students will learn budgeting, planning for the financial future, and how to incorporate investment choices such as stocks, real estate, bonds, and mutual funds. Students will examine how personal financial management ~~can~~ affect physiological and psychological well-being and the impact financial management and decisions have on individuals and families. impacts individuals and families and how to calculate the financial impacts of their decisions.

Note: ~~Letter grade or pass/no pass option.~~

Recommendation

Prerequisite: Mathematics 40

Grading Method: Letter

In this course, students will learn how to develop personal financial goals and how to use financial planning to help achieve life goals. Students will learn budgeting, planning for the financial future, and how to incorporate investment choices such as stocks, real estate, bonds, and mutual funds. Students will examine how personal financial management impacts individuals and families and how to calculate the financial impacts of their decisions.

CTE Two-Year Course Review; Change in Conditions of Enrollment (Pre/Corequisite, Recommended Preparation or Enrollment Limitation), Catalog Description

1. Automotive Technology 26 - Automotive Testing and Diagnosis

Current Status/Proposed Changes

Prerequisite: A total of 8 units ~~with a minimum grade of C is required~~ from the following courses: Automotive Technology 22A, or Automotive Technology 23, or Automotive Technology 24, or Automotive Technology 25 with a minimum grade of C in prerequisite or equivalent

This course covers the study of advanced automotive testing and diagnostic procedures of ~~the following systems:~~ modern computer controlled engine management systems

including ignition, fuel trim, emissions, electrical, and electronic and computer control systems; both OBD 1 and OBD 2 (systems, On Board Diagnostics generation 1 & 2 (OBD 2) computer control systems and related network multiplexing and communications. Electronic body control operations, networking and diagnostics are also explored. Laboratory activities stress the proper use of modern diagnostic equipment utilized in the automotive field.

Recommendation

Prerequisite: A total of 8 units from the following courses: Automotive Technology 22A or Automotive Technology 23 or Automotive Technology 24 or Automotive Technology 25 with a minimum grade of C in prerequisite or equivalent

This course covers the study of advanced automotive testing and diagnostic procedures of modern computer controlled engine management systems including ignition, fuel trim, electrical and electronic systems, On Board Diagnostics generation 2 (OBD 2) computer control systems and related network multiplexing and communications. Electronic body control operations, networking and diagnostics are also explored. Laboratory activities stress the proper use of modern diagnostic equipment utilized in the automotive field.

Course Reactivation; Course Review; Change in Conditions of Enrollment (Pre/Corequisite, Recommended Preparation or Enrollment Limitation), Units, Lecture Hours, Faculty Load, Catalog Description

1. Automotive Collision Repair/Painting 3A - Introduction to Automotive Collision Estimating

Current Status/Proposed Changes

Units: ~~4.0~~ 3.0 Lecture Hours: ~~4.0~~ 3.0 Lab Hours: 0 Faculty Load: 20.00%

~~Recommended Preparation: Automotive Collision Repair/Painting 1A or Automotive Collision Repair/Painting 2A or one semester of Automotive Collision Repair/Painting 4ABCD or Automotive Collision Repair/Painting 5ABCD or equivalent AND eligibility for English 84~~

This course provides instruction on the theory and application of developing a written damage estimate using forms, books, guides and charts. Students will learn vehicle construction types and parts nomenclature, industry standard repair and replacement procedures, state and federal laws regarding collision repair, and how estimating fits into both the technical and business sides of operating a successful collision repair shop.

Recommendation

Units: 3.0 Lecture Hours: 3.0 Lab Hours: 0 Faculty Load: 20.00%

This course provides instruction on the theory and application of developing a written damage estimate using forms, books, guides and charts. Students will learn vehicle construction types and parts nomenclature, industry standard repair and replacement procedures, state and federal laws regarding collision repair, and how estimating fits into both the technical and business sides of operating a successful collision repair shop.

Inactivate Courses

1. Biotechnology 1 - Basic Techniques of Biological Technology
2. Biotechnology 2 - Advanced Techniques of Biological Technology

New Major

1. Women's Studies: Women's, Gender and Sexuality Studies A.A. Degree

Women's, gender, and sexuality studies is an interdisciplinary program which exposes students to a broad range of academic scholarship in the behavioral and social sciences, humanities, and fine arts. The program helps to develop skills in critical thinking, problem solving, collaboration, research, and writing. Upon completion of the degree requirements, the student will acquire an understanding of major concepts and theoretical perspectives in the field of women's, gender, and sexuality studies. The major prepares students for transfer to four-year colleges and universities for majors in the social and behavioral sciences that can lead to careers in fields such as business, counseling, human services, politics, law, education, health, journalism, public relations, and non-profit/non-governmental organizations.

Major Requirements

Units

Required Core: 3 units

WSTU 1 Introduction to Women's Studies 3

15 units from:

ANTH 9 Women, Culture, and Society 3

ENGL 28 Images of Women in Literature 3

HIST 105 Women and American History from the Colonial Era to 1877 3

HIST 106 Women and American History from 1877 to the Present 3

PSYC 12 Human Sexuality 3

PSYC 19 Psychology of Sexual Orientation and Gender Diversity 3

PSYC 25 The Psychology of Gender 3

SOCI 102 The Family 3

SOCI 104 Social Problems 3

SOCI 113 Gender and Society 3

SOCI 118 Sociology of Sexualities 3

Total Units: 18

Change in Major; Course Requirements

1. Automotive Collision Repair/Painting A.S. Degree
Current Status/Proposed Changes

Major Requirements

Units

Complete a minimum of 20 units from:

ACRP 1A	Introduction to Automotive Collision Repair	8
ACRP 1B	Collision Repair Equipment and Welding Techniques	8
ACRP 1C	Major Collision Analysis and Repair	8
ACRP 1D	Automotive Component Systems Analysis and Repair	8
ACRP 2A	Basic Automotive Painting - Refinishing	8
ACRP 2B	Automotive Refinishing Materials and Equipment	8
ACRP 2C	Automotive Refinishing Applications	8
ACRP 3A	Introduction to Automotive Collision Estimating	<u>3</u>
<u>ACRP 3B</u>	<u>Computerized Collision Damage Estimating</u>	<u>3</u>
ACRP 4A	Beginning Automotive Collision Repair I	4
ACRP 4B	Beginning Automotive Collision Repair II	4
<u>ACRP 4C</u>	<u>Intermediate Automotive Collision Repair I</u>	<u>4</u>
<u>ACRP 4D</u>	<u>Intermediate Automotive Collision Repair II</u>	<u>4</u>
ACRP 5A	Beginning Automotive Painting I	4
ACRP 5B	Beginning Automotive Painting II	4
<u>ACRP 5C</u>	<u>Intermediate Automotive Refinishing I</u>	<u>4</u>
<u>ACRP 5D</u>	<u>Intermediate Automotive Refinishing II</u>	<u>4</u>
ACRP 20	Automotive Collision Investigation	3
ACRP 22	Automotive Repair Fraud	3
ACRP 24	Automotive Collision Analysis	3
ACRP 26	Automotive Accident Reconstruction	3

Total Units: 20

Recommended Electives:

ACRP 95	Cooperative Work Experience Education	2-4
<u>A TEC 16</u>	<u>Suspension and Four Wheel Alignment</u>	<u>4</u>
<u>A TEC 25</u>	<u>Automotive Electrical Systems</u>	<u>4</u>
<u>A TEC 81</u>	<u>Automotive Air Conditioning</u>	<u>3</u>
MTT 16	General Metals	3
WELD 15	Basic Welding for Allied Fields	3

2. Construction Technology: Construction Technology Option A.S. Degree
Current Status/Proposed Changes

Major Requirements

Units

Required Core: 18 units

C TEC 100	Building Fundamentals	4
C TEC 110	Additions and Remodeling	4
C TEC 172	Residential Electrical Wiring	4
C TEC 180	Residential Plumbing	4
C TEC 200	General Cabinet Making	2

16 units from:

<u>ACR 21</u>	<u>Air Conditioning Fundamentals</u>	<u>4</u>
ARCH 179	Design/Build Studio	4
<u>CADD 5</u>	<u>Introduction to Mechanical Drafting</u>	<u>3</u>
C TEC 121	Concrete and Formwork	4

CTEC 122	Rough Framing	4
CTEC 131	Roof Framing	4
CTEC 132	Stair Framing	4
CTEC 141	Interior Subcrafts	4
CTEC 142	Exterior Subcrafts	4
CTEC 150	Contract Estimating	3
CTEC 160	Business and Legal Aspects of Contracting	3
CTEC 201	Upper Residential Cabinets	2
CTEC 202	Base Residential Cabinets	2
CTEC 203	Dedicated Use Cabinets	2
<u>ET 102</u>	<u>Sustainable Energy and Renewable Building Sciences and Technologies</u>	<u>3</u>
<u>WELD 15</u>	<u>Basic Welding for Allied Fields</u>	<u>3</u>

Total Units: 34

Recommended Electives:

ARCH 150A	Construction Documentation I	3
<u>ARCH 119</u>	<u>Computer Aided Architectural Drafting</u>	<u>3</u>
BUS 17	Personal Finance	3
CIS 13	Computer Information Systems	3
CTEC 95	Cooperative Work Experience Education	2-4
CTEC 230	Cabinet Making Lab	1.5

3. Physical Education A.A. Degree
Current Status/Proposed Changes

Major Requirements		Units
Required Core: 16 units		
ANAT 30	Essentials of Anatomy and Physiology	4
PSYC 5	General Psychology	3
<u>or</u>		
<u>PSYC 5H</u>	<u>Honors General Psychology</u>	<u>3</u>
PE 277	Introduction to Kinesiology and Physical Education	3
PE 280	Exercise and Nutrition Programs for Fitness and Weight Management	3
FAID 1	First Aid, Cardiopulmonary Resuscitation (CPR) and Basic Emergency Care	3

Plus 4 units of activity-units distributed over a minimum of 3 categories to include: Aquatics, Combatives, Dance, Fitness, Individual/Dual Activities, Intercollegiate Sports, and Team Activities

Aquatics:

<u>PE 240A</u>	<u>Beginning Swimming</u>	<u>1</u>
<u>PE 240B</u>	<u>Intermediate Swimming</u>	<u>1</u>
<u>PE 240C</u>	<u>Advanced Swimming</u>	<u>1</u>

PE 241	Intermediate/Advanced Swimming	4
PE 247	Swimming, Lifeguard Training	1
PE 248	Swimming, Water Safety Instructor	2
PE 249	Swimming for Fitness	1
PE 402	Adapted Swimming and Hydroexercise	1
PE 250	<u>Techniques of Surfboard Riding</u>	1
Combatives:		
PE 18	Boxing	1
PE 220	Naginata - A Japanese Martial Art	1
PE 221	Combative Arts and Self Defense	1
Dance:		
DANC 110	Beginning Dance	2
DANC 120A	Beginning Ballet A	2
DANC 120B	Beginning Ballet B	2
DANC 130A	Beginning Modern Dance A	2
DANC 130B	Beginning Modern Dance B	2
DANC 140	Jazz Dance I	2
DANC 161	Tap Dance I - Beginning	1
DANC 162	Hip Hop Dance	2
DANC 164	World Dance	1
DANC 165	African Dance	1
DANC 167	Social and Ballroom Dance	1
DANC 168	Latin Social Dance	2
DANC 220A	Intermediate Ballet A	2
DANC 230A	Intermediate Modern Dance A	2
DANC 240	Jazz Dance II	2
DANC 250	Pilates Mat Class	3
DANC 261	Tap Dance II - Intermediate	2
DANC 262	Commercial Dance	2
DANC 265	Intermediate African Dance	2
DANC 268	Intermediate Latin Social Dance	2
Fitness:		
PE 2	Walking for Fitness	1
PE 10 <u>A</u>	Body Conditioning and Physical Fitness	1
PE 54	Weight Training	1
PE 135abcd	Sport-Specific, Periodized Training for Athletes	1
PE 245	Water Aerobics	1
PE 254	Aerobic Fitness Cardio Fitness and Body Sculpting	1
PE 257	Yoga for Health and Fitness	1
PE 258	Power Vinyasa Yoga	1
PE 259	Circuit Training	1
PE 260	Basic Principles of Fitness and Weight Control	1
PE 400	Adapted Fitness	1
PE 401	Adapted Strength Training	1
PE 404	Adapted Cardiovascular Fitness	1
PE 409	Adapted Yoga	1

Individual/Dual Activities:

PE 47	Introduction to Indoor Rock Climbing	1
PE 204	Badminton	1
PE 208	Bowling	1
PE 224	Golf	1
PE 251	Tennis	1

Intercollegiate Sports:

PE 5abc	Men's Intercollegiate Baseball Team	3
PE 6abc	Off-Season Training for Men's Intercollegiate Baseball	1
PE 15abc	Men's Intercollegiate Basketball Team	3
PE 16abc	Off-Season Training for Men's Intercollegiate Basketball Team	1
PE 20abc	Intercollegiate Cross Country Teams	3
PE 21abc	Off-Season Training for Intercollegiate Cross Country Teams	1
PE 35abc	Men's Intercollegiate Football Team	3
PE 36abc	Off-Season Training for Men's Intercollegiate Football Team	1
PE 45abc	Men's Intercollegiate Golf Team	3
PE 46abc	Off-Season Training for Men's Intercollegiate Golf Team	1
PE 57abc	Intercollegiate Swimming Teams	3
PE 58abc	Off-Season Training for Intercollegiate Swimming Teams	1
PE 60abc	Women's Intercollegiate Soccer Team	3
PE 61abc	Off-Season Training for Women's Intercollegiate Soccer Team	1
PE 66abc	Off-Season Training for Men's Intercollegiate Tennis Team	1
PE 70abc	Men's Intercollegiate Soccer Team	3
PE 71abc	Off-Season Training for Men's Intercollegiate Soccer Team	1
PE 75abc	Intercollegiate Track and Field Teams	3
PE 76abc	Off-Season Training for Intercollegiate Track and Field Teams	1
PE 80abc	Men's Intercollegiate Volleyball Team	3
PE 81abc	Off-Season Training for Men's Intercollegiate Volleyball Team	1
PE 85abc	Men's Intercollegiate Water Polo Team	3
PE 86abc	Off-Season Training for Men's Intercollegiate Water Polo Team	1
PE 87abc	Women's Intercollegiate Water Polo Team	3
PE 105abc	Women's Intercollegiate Basketball Team	3
PE 106abc	Off-Season Training for Women's Intercollegiate Basketball Team	1
PE 110abc	Women's Intercollegiate Volleyball Team	3
PE 111abc	Off-Season Training for Women's Intercollegiate Volleyball	1
PE 115abc	Intercollegiate Tennis Teams	3
PE 116abc	Off-Season Training for Women's Intercollegiate Tennis Team	1
PE 120abc	Women's Intercollegiate Softball Team	3
PE 121abc	Off-Season Training for Women's Intercollegiate Softball Team	1
PE 132abc	Women's Intercollegiate Badminton Team	2-3
PE 133abc	Off-season Training for Women's Intercollegiate Badminton Team	1
PE 140abc	Intercollegiate Sand Volleyball Team	3

Team Activities:

PE 4	Basketball	1
PE 7	Baseball	1
PE 74	Soccer	1
PE 233	Pep Squad and Cheer	1

PE 234ab	Pep Squad and Cheer Competition	1
<u>PE 239</u>	<u>Slow Pitch Softball</u>	<u>1</u>
PE 253	Volleyball	1
PE 255	Beach Volleyball	1
Physical Education Electives: 2-3 units		
PE 201	Introduction to Adapted Physical Education	2
PE 217	Sports Officiating	2
<u>PE 266</u>	<u>Stress Management for Healthy Living</u>	<u>3</u>
PE 270	Fitness and Sports Nutrition	3
PE 272	Care and Prevention of Athletic Injuries	3
PE 275	Sport Psychology	3
PE 290	Personal Fitness Trainer	3

Total Units: 22-23

4. Physical Education: Kinesiology AA-T Degree
Current Status/Proposed Changes

Major Requirements **Units**

Required Core: 11 units

<u>PE 277</u>	<u>Introduction to Kinesiology</u>	<u>3</u>
and		

Select Option 1 or Option 2

Option 1

PE 277	Introduction to Kinesiology and Physical Education	3
ANAT 32	General Human Anatomy	4
PHYO 31	Human Physiology	4

or

Option 2

PE 277	Introduction to Kinesiology and Physical Education	3
APHY 34A	Anatomy and Physiology I	4
APHY 34B	Anatomy and Physiology II	4

and

Required Core: 3-5 Units of Movement-Based Courses

Select a maximum of one course from any two to three categories:

Aquatics:

PE 240A	Beginning Swimming	1
<u>PE 240B</u>	<u>Intermediate Swimming</u>	<u>1</u>
<u>PE 240C</u>	<u>Advanced Swimming</u>	<u>1</u>
PE 241	Intermediate/Advanced Swimming	1
PE 250	Techniques of Surfboard Riding	1

Combative:

<u>PE 18</u>	<u>Boxing</u>	<u>1</u>
<u>PE 220</u>	<u>Naginata - A Japanese Martial Art</u>	<u>1</u>
<u>PE 221</u>	<u>Combative Arts and Self Defense</u>	<u>1</u>

Dance:

<u>DANC 110</u>	<u>Beginning Dance</u>	<u>2</u>
<u>DANC 120A</u>	<u>Beginning Ballet A</u>	<u>2</u>
<u>DANC 120B</u>	<u>Beginning Ballet B</u>	<u>2</u>
<u>DANC 130A</u>	<u>Beginning Modern Dance A</u>	<u>2</u>
<u>DANC 130B</u>	<u>Beginning Modern Dance B</u>	<u>2</u>
<u>DANC 140</u>	<u>Jazz Dance I</u>	<u>2</u>
<u>DANC 161</u>	<u>Tap Dance I - Beginning</u>	<u>1</u>
<u>DANC 162</u>	<u>Hip Hop Dance</u>	<u>2</u>
<u>DANC 164</u>	<u>World Dance</u>	<u>1</u>
<u>DANC 165</u>	<u>African Dance</u>	<u>1</u>
<u>DANC 167</u>	<u>Social and Ballroom Dance</u>	<u>1</u>
<u>DANC 168</u>	<u>Latin Social Dance</u>	<u>2</u>
<u>DANC 220A</u>	<u>Intermediate Ballet A</u>	<u>2</u>
<u>DANC 220B</u>	<u>Intermediate Ballet B</u>	<u>2</u>
<u>DANC 230A</u>	<u>Intermediate Modern Dance A</u>	<u>2</u>
<u>DANC 230B</u>	<u>Intermediate Modern Dance B</u>	<u>2</u>
<u>DANC 240</u>	<u>Jazz Dance II</u>	<u>2</u>
<u>DANC 250</u>	<u>Pilates Mat Class</u>	<u>3</u>
<u>DANC 261</u>	<u>Tap Dance II - Intermediate</u>	<u>2</u>
<u>DANC 262</u>	<u>Commercial Dance</u>	<u>2</u>
<u>DANC 265</u>	<u>Intermediate African Dance</u>	<u>2</u>
<u>DANC 268</u>	<u>Intermediate Latin Social Dance</u>	<u>2</u>

Fitness:

<u>PE 2</u>	<u>Walking for Fitness</u>	<u>1</u>
<u>PE 3</u>	<u>Boot Camp Fitness Training</u>	<u>1</u>
<u>PE 10A</u>	<u>Body Conditioning and Physical Fitness</u>	<u>1</u>
<u>PE 47</u>	<u>Introduction to Indoor Rock Climbing</u>	<u>1</u>
<u>PE 54</u>	<u>Weight Training</u>	<u>1</u>
<u>PE 245</u>	<u>Water Aerobics</u>	<u>1</u>
<u>PE 249</u>	<u>Swimming for Fitness</u>	<u>1</u>
<u>PE 254</u>	<u>Aerobic Fitness</u>	<u>4</u>
<u>PE 257</u>	<u>Yoga for Health and Fitness</u>	<u>1</u>
<u>PE 258</u>	<u>Power Vinyasa Yoga</u>	<u>1</u>
<u>PE 259</u>	<u>Circuit Training</u>	<u>1</u>

Individual Sports:

<u>PE 204</u>	<u>Badminton</u>	<u>1</u>
<u>PE 208</u>	<u>Bowling</u>	<u>1</u>
<u>PE 224</u>	<u>Golf</u>	<u>1</u>
<u>PE 251</u>	<u>Tennis</u>	<u>1</u>

Team Sports:

<u>PE 4</u>	<u>Basketball</u>	<u>1</u>
<u>PE 7</u>	<u>Baseball</u>	<u>1</u>

PE 74	Soccer	1
PE 253	Volleyball	1
<u>PE 255</u>	<u>Beach Volleyball</u>	<u>1</u>

List A (select two): 7-9 units

BIOL 10	Fundamentals of Biology	4
or		
<u>BIOL 10H</u>	<u>Honors Fundamentals of Biology</u>	<u>4</u>
CHEM 1A	General Chemistry I	5
or		
CHEM 4	Beginning Chemistry	5
or		
<u>CHEM 4H</u>	<u>Honors Beginning Chemistry</u>	<u>5</u>
or		
CHEM 21A	Survey of General and Organic Chemistry	4
FAID 1	First Aid, Cardiopulmonary Resuscitation (CPR) and Basic Emergency Care	3
PHYS 2A	General Physics	4
MATH 150	Elementary Statistics with Probability	4
or		
<u>MATH 150H</u>	<u>Honors Elementary Statistics with Probability</u>	<u>4</u>
or		
PSYC 9A	Introduction to Elementary Statistical Methods for the Study of Behavior	4
or		
SOCI 109	Introduction to Elementary Statistical Methods for the Study of Behavior (4)	4

Total Units: 21-25

Recommended Electives:

CH 1	Personal and Community Health Issues	3
NFOO 11	Nutrition	3
<u>PE 266</u>	<u>Stress Management for Healthy Living</u>	<u>3</u>
PE 272	Care and Prevention of Athletic Injuries	3
PE 280	Exercise and Nutrition Programs for Fitness and Weight Management	3
PSYC 5	General Psychology	3
or		
<u>PSYC 5H</u>	<u>Honors General Psychology</u>	<u>3</u>

Change in Major; Course Requirements, Total Units

1. Architecture A.S. Degree
Current Status/Proposed Changes

Major Requirements		Units
Required Core: 23 <u>26</u> units		
ARCH 100	An Orientation to Architecture	1
ARCH 104	History of Western Architecture	3
<u>ARCH 107</u>	<u>World Architecture: Pre-History to Middle Ages</u>	<u>3</u>
<u>ARCH 108</u>	<u>World Architecture: Gothic to Early Modern</u>	<u>3</u>
ARCH 119	Computer Aided Architectural Drafting	3
ARCH 150A	Construction Documentation I	3
ARCH 150B	Construction Documentation II	3
ARCH 170	Architectural Graphics Techniques	3
ARCH 171	Architectural Three-Dimensional Illustration	3
ARCH 199	Architecture Design Studio	4
12-13 units from:		
ARCH 121	Building Information Modeling I	3
ARCH 125	Building Information Modeling II	3
ARCH 158	Structures Analysis-Timber	3
ARCH 179	Design/Build Studio	4
ET 165	Sustainable and Regenerative Practices in Site and Landscape Development	3
Total Units: 35-36 <u>38-39</u>		

2. Welding A.S. Degree
Current Status/Proposed Changes

Major Requirements		Units
Required Core: 8 <u>13-14</u> units from:		
WELD 1	Introduction to Welding Process	8
<u>WELD 1A</u>	<u>Introduction to Multi-Process Welding</u>	<u>4</u>
<u>WELD 1B</u>	<u>Advanced Welding for Manufacturing</u>	<u>4</u>
WELD 10A	Introduction to Shielded Metal Arc Welding (SMAW)	4
WELD 10B	Intermediate Shielded Metal Arc Welding (SMAW)	4
<u>WELD 10C</u>	<u>Advanced Certification and Career Preparation Lab</u>	<u>2</u>
<u>WELD 29</u>	<u>Blueprint Reading</u>	<u>3</u>
<u>WELD 40A</u>	<u>Introduction to Gas Tungsten Arc Welding (GTAW)</u>	<u>3</u>
15 <u>8</u> units from:		
WELD 10C	Advanced Certification and Career Preparation Lab	2
<u>WELD 28</u>	<u>American Welding Society (AWS) D1.1 Certification Test Preparation</u>	<u>3</u>
WELD 40A	Introduction to Gas Tungsten Arc Welding (GTAW)	3
WELD 40B	Intermediate Gas Tungsten Arc Welding (GTAW)	3
WELD 40C	Advanced Gas Tungsten Arc Welding (GTAW) Skills Lab	2

WELD 45	Structural Fabrication	5
<u>5-6 units from:</u>		
<u>WELD 15</u>	<u>Basic Welding for Allied Fields</u>	<u>3</u>
<u>WELD 20A</u>	<u>Flux Core and Gas Metal Arc Welding</u>	<u>4</u>
<u>WELD 23</u>	<u>Advanced Arc Welding Specialty Lab</u>	<u>2</u>
<u>WELD 40C</u>	<u>Advanced Gas Tungsten Arc Welding (GTAW) Skills Lab</u>	<u>2</u>

Total Units: ~~23~~ 26-28

Recommended Electives:

<u>ACR 5</u>	<u>Electrical Applications</u>	<u>4</u>
<u>ACR 61</u>	<u>Fundamentals of Automation Systems</u>	<u>3</u>
<u>BUS 17</u>	<u>Personal Finance</u>	<u>3</u>
<u>CADD 5</u>	<u>Introduction to Mechanical Drafting</u>	<u>3</u>
<u>CTEC 100</u>	<u>Building Fundamentals</u>	<u>4</u>
<u>MTT 10A</u>	<u>Introduction to CAD/CAM</u>	<u>3</u>
<u>MTT 16</u>	<u>General Metals</u>	<u>3</u>
<u>MTT 101</u>	<u>Introduction to Conventional and CNC Machining</u>	<u>4</u>
WELD 15	Basic Welding for Allied Fields	3
WELD 23	Advanced Arc Welding Specialty Lab	2
WELD 28	American Welding Society (AWS) D1.1 Certification Test Preparation	3

New Certificates

1. Administration of Justice: Homeland Security Essentials
Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements. At least 50% of the courses required for the certificate must be completed at El Camino College.

Certificate Requirements		Units
AJ 10	Introduction to Homeland Security	3
AJ 11	Intelligence and Security Management	3
AJ 12	Transportation and Border Security Management	3

Total Units: 9

2. Air Conditioning and Refrigeration: Automation Fundamentals
Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements.

Certificate Requirements		Units
ACR 61	Fundamentals of Automation Systems	3
ACR 62	Energy Control and Optimization Systems	4

Total Units: 7

- Air Conditioning and Refrigeration: Heating Technologies
Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements.

Certificate Requirements		Units
ACR 21	Air Conditioning Fundamentals	4
ACR 27	Heating Technologies	4

Total Units: 8

- Air Conditioning and Refrigeration: HVACR Electrical Fundamentals
Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements. At least 50% of the courses required must be completed at El Camino College.

Certificate Requirements		Units
ACR 5	Electrical Applications	4
ACR 6	Refrigeration and Air Conditioning Control Systems	4
ACR 30	Electric Controls	2

Total Units: 10

- Air Conditioning and Refrigeration: HVACR Fundamentals
Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements.

Certificate Requirements		Units
ACR 21	Air Conditioning Fundamentals	4
ACR 34	HVAC Customer Service and industry certifications	1

Total Units: 5

6. Air Conditioning and Refrigeration: Refrigeration Fundamentals
Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements.

Certificate Requirements		Units
ACR 21	Air Conditioning Fundamentals	4
ACR 23	Commercial Refrigeration Applications	4

Total Units: 8

7. Automotive Collision Repair/Painting: Damage Estimating
Certificate of Accomplishment

A Certificate of Achievement will be granted upon completion of all program requirements. At least 50% of the courses required for this certificate must be completed at El Camino College.

Certificate Requirements		Units
ACRP 3A	Introduction to Automotive Collision Estimating	3
ACRP 3B	Computerized Collision Damage Estimating	3

Total Units: 6

8. Construction Technology: Residential Construction Trainee
Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements. At least 50% of the courses required for the certificate must be completed at El Camino College.

Certificate Requirements		Units
CTEC 100	Building Fundamentals	4
or		
CTEC 110	Additions and Remodeling	4
CTEC 172	Residential Electrical Wiring	4
CTEC 180	Residential Plumbing	4
CTEC 200	General Cabinet Making	2
or		
CTEC 201	Upper Residential Cabinets	2
or		
CTEC 202	Base Residential Cabinets	2
or		
CTEC 203	Dedicated Use Cabinets	2

Total Units: 14

9. Construction Technology: Residential Electrical Trainee Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements. At least 50% of the courses required for the certificate must be completed at El Camino College

Certificate Requirements		Units
CTEC 100	Building Fundamentals	4
CTEC 172	Residential Electrical Wiring	4

Total Units: 8

10. Construction Technology: Residential Plumbing Trainee Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements. At least 50% of the courses required for the certificate must be completed at El Camino College.

Certificate Requirements		Units
CTEC 100	Building Fundamentals	4
CTEC 180	Residential Plumbing	4

Total Units: 8

11. Construction Technology: Residential Remodeling Trainee Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements. At least 50% of the courses required for the certificate must be completed at El Camino College.

Certificate Requirements		Units
CTEC 100	Building Fundamentals	4
CTEC 110	Additions and Remodeling	4

Total Units: 8

12. English: Creative Writing Certificate of Accomplishment

The Certificate in Creative Writing is an immersive 15-unit certificate that includes instruction in fiction, poetry, screenwriting, creative nonfiction, editorial and authorship opportunities, an array of English Literature electives, and the practice of the writing workshop. The certificate prepares students for a major or minor in creative writing and is intended to help students develop their talents and craft, as well as their continued enjoyment of writing for personal expression and professional growth. Upon successful

completion of the program, students will develop a portfolio of original creative work that may be used toward future academic applications and professional publication.

Some creative writing and elective courses may be used to help fulfill associate degree and transfer degree requirements. Students should seek guidance from an ECC counselor, the ECC Transfer Center, or assist.org.

A minimum of 15 units of the certificate requirements must be completed at El Camino College.

Certificate Requirements		Units
9 units of introductory level courses:		
ENGL 23A	Introduction to Creative Nonfiction	3
ENGL 24A	Creative Writing: Introduction to Poetry	3
ENGL 25A	Creative Writing: Introduction to the Craft of Fiction	3
ENGL 78	Creative Writing: Screenwriting	3
3 units of intermediate level courses:		
ENGL 24B	Creative Writing: Poetry Workshop	3
ENGL 25B	Creative Writing: Writing Workshop	3
3 units of elective courses:		
ENGL 12	Introduction to Fiction	3
ENGL 15	A Survey of British Literature I	3
ENGL 15B	Survey of British Literature II	3
ENGL 20	Shakespeare's Plays - Tragedies and Romances	3
ENGL 21	Shakespeare's Plays - Comedies and Histories	3
ENGL 22	Suspense Literature	3
ENGL 27	Children's Literature	3
ENGL 28	Images of Women in Literature	3
ENGL 30	The English Bible as Literature	3
ENGL 31	Mythology and Folklore	3
ENGL 34	The Short Story	3
ENGL 35	World Literature: 3500 BCE to 1650 CE	3
ENGL 36	World Literature: 1650 CE to Present	3
ENGL 39	Literature and Film	3
ENGL 40A	American Literature I	3
ENGL 40B	American Literature II	3
ENGL 42	Chicano and Latino Literature	3
ENGL 43	African American Literature	3
ENGL 44	The Literature of American Ethnic Groups	3
ENGL 48	Modern Literature of Latin America	3
ENGL 98	College Literary Magazine Editing and Publishing	3
HUMA 1	An Introduction to the Humanities	3
JOUR 9abcd	Magazine Editing and Production	3
THEA 104	Dramatic Literature	3

Total Units: 15

13. Fire and Emergency Technology: Fire Explorer Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements. At least 50% of the courses required for the certificate must be completed at El Camino College.

Certificate Requirements		Units
FTEC 1	Fire Protection Organization	3
FTEC 6	Building Construction for Fire Protection	3
FTEC 144	Emergency Medical Technician	6

Total Units: 12

14. Welding: Gas Tungsten Arc Welding (GTAW) Ferrous and Non-Ferrous Metals Certificate of Accomplishment

Certificate Requirements		Units
WELD 40A	Introduction to Gas Tungsten Arc Welding (GTAW)	3
WELD 40B	Intermediate Gas Tungsten Arc Welding (GTAW)	3
WELD 40C	Advanced Gas Tungsten Arc Welding (GTAW) Skills Lab	2
WELD 15	Basic Welding for Allied Fields	3
WELD 29	Blueprint Reading	3

Total Units: 14

15. Welding: Semi-Automatic Welding Certificate of Accomplishment

Certificate Requirements		Units
WELD 1A	Introduction to Multi-Process Welding	4
or		
WELD 1B	Advanced Welding for Manufacturing	4
WELD 20A	Flux Core and Gas Metal Arc Welding	4
WELD 10C	Advanced Certification and Career Preparation Lab	2
WELD 23	Advanced Arc Welding Specialty Lab	2
WELD 28	American Welding Society (AWS) D1.1 Certification Test Preparation	3

Total Units: 15

16. Welding: Shielded Metal Arc Welding (SMAW) Structural Steel Certificate of Accomplishment

A Certificate of Accomplishment will be awarded upon completion of the program requirements. At least 50% of the courses required for the certificate must be completed at El Camino College.

Certificate Requirements		Units
WELD 10A	Introduction to Shielded Metal Arc Welding (SMAW)	4
WELD 10B	Intermediate Shielded Metal Arc Welding (SMAW)	4
WELD 10C	Advanced Certification and Career Preparation Lab	2
WELD 28	American Welding Society (AWS) D1.1 Certification Test Preparation	3
WELD 29	Blueprint Reading	3

Total Units: 16

17. Welding: Structural Steel Fabrication Certificate of Accomplishment

Certificate Requirements		Units
WELD 1A	Introduction to Multi-Process Welding	4
or		
WELD 10A	Introduction to Shielded Metal Arc Welding (SMAW)	4
or		
WELD 40A	Introduction to Gas Tungsten Arc Welding (GTAW)	4
WELD 15	Basic Welding for Allied Fields	3
WELD 29	Blueprint Reading	3
WELD 45	Structural Fabrication	5

Total Units: 14-15

Change in Certificate; Course Requirements

1. Construction Technology Certificate of Achievement
Current Status/Proposed Changes

Certificate Requirements		Units
Required Core: 18 units		
CTEC 100	Building Fundamentals	4
CTEC 110	Additions and Remodeling	4
CTEC 172	Residential Electrical Wiring	4
CTEC 180	Residential Plumbing	4
CTEC 200	General Cabinet Making	2
16 units from:		
<u>ACR 21</u>	<u>Air Conditioning Fundamentals</u>	<u>4</u>
ARCH 179	Design/Build Studio	4
<u>CADD 5</u>	<u>Introduction to Mechanical Drafting</u>	<u>3</u>
CTEC 95	Cooperative Work Experience Education	2 - 4
CTEC 121	Concrete and Formwork	4
CTEC 122	Rough Framing	4
CTEC 131	Roof Framing	4
CTEC 132	Stair Framing	4

CTEC 141	Interior Subcrafts	4
CTEC 142	Exterior Subcrafts	4
CTEC 150	Contract Estimating	3
CTEC 160	Business and Legal Aspects of Contracting	3
CTEC 201	Upper Residential Cabinets	2
CTEC 202	Base Residential Cabinets	2
CTEC 203	Dedicated Use Cabinets	2
<u>ET 102</u>	<u>Sustainable Energy and Renewable Building Sciences and Technologies</u>	<u>3</u>
<u>WELD 15</u>	<u>Basic Welding for Allied Fields</u>	<u>3</u>

Total Units: 34

Change in Certificate; Course Units, Total Units

1. Architecture Certificate of Achievement
Current Status/Proposed Changes

Certificate Requirements		Units
Required Core: 23 <u>26</u> units		
ARCH 100	An Orientation to Architecture	1
ARCH 104	History of Western Architecture	3
<u>ARCH 107</u>	<u>World Architecture: Pre-History to Middle Ages</u>	<u>3</u>
<u>ARCH 108</u>	<u>World Architecture: Gothic to Early Modern</u>	<u>3</u>
ARCH 119	Computer Aided Architectural Drafting	3
ARCH 150A	Construction Documentation I	3
ARCH 150B	Construction Documentation II	3
ARCH 170	Architectural Graphics Techniques	3
ARCH 171	Architectural Three-Dimensional Illustration	3
ARCH 199	Architecture Design Studio	4
12-13 units from:		
ARCH 121	Building Information Modeling I	3
ARCH 125	Building Information Modeling II	3
ARCH 158	Structures Analysis-Timber	3
ARCH 179	Design/Build Studio	4
ET 165	Sustainable and Regenerative Practices in Site and Landscape Development	3

Total Units: ~~35-36~~ 38-39

2. Fashion: Fashion Stylist Certificate of Achievement
Current Status/Proposed Changes

Certificate Requirements		Units
FASH 2	Presentation Techniques for Fashion	1
FASH 10	Clothing Construction I	3

FASH 15	Beginning Fashion Illustration	2
FASH 23	Fitting and Alterations	2
FASH 31	History of Costume	3
FASH 41	Fashion Analysis and Selection	3
FASH 44	Fashion Show Production and Promotions	3
<u>FASH 48</u>	<u>Fashion Styling</u>	<u>2</u>
FASH 95	Cooperative Work Experience Education	2

Total Units: ~~19~~ 21

3. Fire and Emergency Technology: Fire Academy Certificate of Achievement
Current Status/Proposed Changes

Certificate Requirements		Units
FTEC 1	Fire Protection Organization	3
FTEC 6	Building Construction for Fire Protection	3
FTEC 15	Fire Academy	<u>18</u>
FTEC 144	Emergency Medical Technician	6

Total Units: ~~27~~ 30

4. Welding Certificate of Achievement
Current Status/Proposed Changes

Certificate Requirements		Units
Required Core: 8 units <u>13-14 units from:</u>		
<u>WELD 1A</u>	<u>Introduction to Multi-Process Welding</u>	<u>4</u>
<u>WELD 1B</u>	<u>Advanced Welding for Manufacturing</u>	<u>4</u>
WELD 10A	Introduction to Shielded Metal Arc Welding (SMAW)	4
WELD 10B	Intermediate Shielded Metal Arc Welding (SMAW)	4
<u>WELD 10C</u>	<u>Advanced Certification and Career Preparation Lab</u>	<u>2</u>
<u>WELD 29</u>	<u>Blueprint Reading</u>	<u>3</u>
<u>WELD 40A</u>	<u>Introduction to Gas Tungsten Arc Welding (GTAW)</u>	<u>3</u>
16 <u>8</u> units from:		
WELD 10C	Advanced Certification and Career Preparation Lab	2
WELD 28	American Welding Society (AWS) D1.1 Certification Test Preparation	3
WELD 40A	Introduction to Gas Tungsten Arc Welding (GTAW)	3
WELD 40B	Intermediate Gas Tungsten Arc Welding (GTAW)	3
WELD 45	Structural Fabrication	5
2 <u>5-6</u> units from:		
<u>WELD 15</u>	<u>Basic Welding for Allied Fields</u>	<u>3</u>
<u>WELD 20A</u>	<u>Flux Core (FCAW) and Gas Metal Arc Welding (GMAW)</u>	<u>4</u>
WELD 23	Advanced Arc Welding Specialty Lab	2
WELD 40C	Advanced Gas Tungsten Arc Welding (GTAW) Skills Lab	2

Total Units: ~~26~~ 28

Change in Certificate; Program Title, Course Requirements, Total Units

Current Status/Proposed Changes

1. Automotive Collision Repair/Painting: ~~Automotive Collision Repair/Painting I~~
Automotive Collision Repair Certificate of Achievement

Certificate Requirements

Units

Complete 24 a ~~minimum of 32~~ units from the following:

ACRP 1A	Introduction to Automotive Collision Repair	8
ACRP 1B	Collision Repair Equipment/Welding Techniques	8
ACRP 1C	Major Collision Analysis and Repair	8
ACRP 1D	Automotive Component Systems Analysis and Repair	8
ACRP 2A	Basic Automotive Painting – Refinishing	8
ACRP 2B	Automotive Refinishing Materials and Equipment	8
ACRP 2C	Automotive Refinishing Applications	8
ACRP 3A	Introduction to Automotive Collision Estimating	<u>3</u>
<u>ACRP 3B</u>	<u>Computerized Collision Damage Estimating</u>	<u>3</u>
ACRP 4A	Beginning Automotive Collision Repair I	4
ACRP 4B	Beginning Automotive Collision Repair II	4
<u>ACRP 4C</u>	<u>Intermediate Automotive Collision Repair I</u>	<u>4</u>
<u>ACRP 4D</u>	<u>Intermediate Automotive Collision Repair II</u>	<u>4</u>
ACRP 5A	Beginning Automotive Painting I	4
ACRP 5B	Beginning Automotive Painting II	4
ACRP 20	Automotive Collision Investigation	3
ACRP 22	Automotive Repair Fraud	3
ACRP 24	Automotive Collision Analysis	3
ACRP 26	Automotive Accident Reconstruction	3

Total Units: ~~32~~ 24

Current Status/Proposed Changes

2. Automotive Collision Repair/Painting: ~~Automotive Collision Repair/Painting II~~
Automotive Painting and Refinishing Certificate of Achievement

Certificate Requirements

Units

Complete 24 a ~~minimum of 32~~ units from the following:

ACRP 1A	Introduction to Automotive Collision Repair	8
ACRP 1B	Collision Repair Equipment/Welding Techniques	8
ACRP 1C	Major Collision Analysis and Repair	8
ACRP 1D	Automotive Component Systems Analysis and Repair	8
ACRP 2A	Basic Automotive Painting - Refinishing	8
ACRP 2B	Automotive Refinishing Materials and Equipment	8
ACRP 2C	Automotive Refinishing Applications	8
ACRP 3A	Introduction to Automotive Collision Estimating	<u>3</u>
<u>ACRP 3B</u>	<u>Computerized Collision Damage Estimating</u>	<u>3</u>

ACRP 4A	Beginning Automotive Collision Repair I	4
ACRP 4B	Beginning Automotive Collision Repair II	4
ACRP 5A	Beginning Automotive Painting I	4
ACRP 5B	Beginning Automotive Painting II	4
ACRP 5C	Intermediate Automotive Refinishing I	4
ACRP 5D	Intermediate Automotive Refinishing II	4
ACRP 20	Automotive Collision Investigation	3
ACRP 22	Automotive Repair Fraud	3
ACRP 24	Automotive Collision Analysis	3
ACRP 26	Automotive Accident Reconstruction	3

Complete 9-12 units from:

English A or qualifying score for English 1A on English Placement Test

MTT 16	General Metals	3
WELD 15	Basic Welding for Allied Fields	3

or

any other Automotive Collision Repair/Painting course as approved for substitution by the department faculty.

Total Units: 41-44 24