

HUMANITIES

COURSE REVIEW

1. English as a Second Language 53C – Advanced Essay Writing and Grammar

COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT (Pre/Corequisite, Recommended Preparation, or Enrollment Limitation)

1. English 42 – Chicano and Latino Literature
Current Status/Proposed Changes
~~Recommended Preparation: eligibility for English 1A~~
Prerequisite: eligibility for English 1A
Recommendation
Prerequisite: eligibility for English 1A

CTE TWO-YEAR COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION

1. Journalism 14abcd – Multimedia Journalism
Current Status/Proposed Changes
This course provides training in multimedia journalism with an emphasis on the principles and techniques of multimedia reporting, including preparing news for the World Wide Web using text, audio, video and photographs. Students create multimedia news projects for publications ~~on the Web~~, using digital cameras, digital recorders, digital camcorders and computer software. Throughout this course, all students are trained and prepared to compete in a variety of journalism competitions.

Recommendation

This course provides training in multimedia journalism with an emphasis on the principles and techniques of multimedia reporting, including preparing news for the World Wide Web using text, audio, video and photographs. Students create multimedia news projects for publications using digital cameras, digital recorders, digital camcorders and computer software. Throughout this course, all students are trained and prepared to compete in a variety of journalism competitions.

CTE TWO-YEAR COURSE REVIEW; CHANGES IN UNITS, LECTURE CONTACT HOURS, FACULTY LOAD, CATALOG DESCRIPTION

1. Journalism 6 – Basic Photojournalism

Current Status/Proposed Changes

Units: ~~2.0~~ 3.0 Lecture: ~~1.0~~ 2.0 Lab: 3.0 Faculty Load: ~~21.67%~~ 28.33%

This course provides instruction in the elementary aspects of photography with emphasis on principles and techniques of photojournalism, including camera use, news photography, feature photography, sports photography, photo essays, and caption writing. Emphasis is placed on preparing students to take photographs for campus student publications using digital cameras and computer software such as Photoshop.

Note: Journalism 6 is the same course as Photography ~~40~~ 106

Recommendation

Units: 3.0 Lecture: 2.0 Lab: 3.0 Faculty Load: 28.33%

This course provides instruction in the elementary aspects of photography with emphasis on principles and techniques of photojournalism, including camera use, news photography, feature photography, sports photography, photo essays, and caption writing. Emphasis is placed on preparing students to take photographs for campus student publications using digital cameras and computer software such as Photoshop.

Note: Journalism 6 is the same course as Photography 106

NEW DISTANCE EDUCATION HYBRID COURSE VERSION

- 1. English as a Second Language 53C – Advanced Essay Writing and Grammar

CHANGE IN MAJOR; COURSE REQUIREMENTS

1. English A.A. Degree

Current Status/Proposed Changes

At least 50% of the courses required for the English major must be completed at El Camino College.

Major Requirements

Units

Required Core: 7 units

ENGL 1A Reading and Composition 4

or

ENGL 1AH Honors Reading and Composition 4

and

ENGL 1B Literature and Composition 3

or

<u>ENGL 1BH</u>	<u>Honors Literature and Composition</u>	<u>3</u>
or		
ENGL 1C	Critical Thinking and Composition	3
or		
<u>ENGL 1CH</u>	<u>Honors Critical Thinking and Composition</u>	<u>3</u>

a minimum of 6 units from Literature:

ENGL 15A	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 35	World Literature: 3500 BCE to 1650 CE	3
ENGL 36	World Literature: 1650 CE to Present	3
ENGL 40A	American Literature I	3
ENGL 40B	American Literature II	3

a minimum of 6 units from Electives:

ENGL 1B*	Literature and Composition	3
or		
<u>ENGL 1BH*</u>	<u>Honors Literature and Composition</u>	<u>3</u>
ENGL 1C*	Critical Thinking and Composition	3
or		
<u>ENGL 1CH*</u>	<u>Honors Critical Thinking and Composition</u>	<u>3</u>
ENGL 12	Introduction to Fiction	3
ENGL 15A*	Survey of British Literature	3
ENGL 15B*	Survey of British Literature	3
ENGL 20*	Shakespeare's Plays - Tragedies and Romances	3
ENGL 21*	Shakespeare's Plays - Comedies and Histories	3
ENGL 23	Twentieth-Century Literature	3
ENGL 24A	Creative Writing: Introduction to Poetry	3
ENGL 25A	Creative Writing: Introduction to the Craft of Fiction	3
ENGL 26	The Literature of Science Fiction	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
<u>ENGL 32</u>	<u>Creative Writing: A Workshop in Fiction</u>	<u>3</u>
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	3
ENGL 40B*	American Literature	3

ENGL 41B	<u>Survey of Film: 1950 to the Present</u>	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 78	Creative Writing: Screenwriting	3
ENGL 98	College Literary Magazine Editing and Publishing	3

(*Note: if not used for required composition or literature)

Total Units: 19

Recommendation

At least 50% of the courses required for the English major must be completed at El Camino College.

Major Requirements		Units
Required Core: 7 units		
ENGL 1A	Reading and Composition	4
or		
ENGL 1AH	Honors Reading and Composition	4
and		
ENGL 1B	Literature and Composition	3
or		
ENGL 1BH	Honors Literature and Composition	3
or		
ENGL 1C	Critical Thinking and Composition	3
or		
ENGL 1CH	Honors Critical Thinking and Composition	3
a minimum of 6 units from Literature:		
ENGL 15A	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 35	World Literature: 3500 BCE to 1650 CE	3
ENGL 36	World Literature: 1650 CE to Present	3
ENGL 40A	American Literature I	3
ENGL 40B	American Literature II	3
a minimum of 6 units from Electives:		
ENGL 1B*	Literature and Composition	3
or		

ENGL 1BH*	Honors Literature and Composition	3
ENGL 1C*	Critical Thinking and Composition	3
or		
ENGL 1CH*	Honors Critical Thinking and Composition	3
ENGL 12	Introduction to Fiction	3
ENGL 15A*	Survey of British Literature	3
ENGL 15B*	Survey of British Literature	3
ENGL 20*	Shakespeare's Plays - Tragedies and Romances	3
ENGL 21*	Shakespeare's Plays - Comedies and Histories	3
ENGL 24A	Creative Writing: Introduction to Poetry	3
ENGL 25A	Creative Writing: Introduction to the Craft of Fiction	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 32	Creative Writing: A Workshop in Fiction	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	3
ENGL 40B*	American Literature	3
ENGL 41B	Survey of Film: 1950 to the Present	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 78	Creative Writing: Screenwriting	3
ENGL 98	College Literary Magazine Editing and Publishing	3

(*Note: if not used for required composition or literature)

Total Units: 19

2. English AA-T Degree

Current Status/Proposed Changes

Major Requirements

Units

Required Core: 6 units

ENGL 1B Literature and Composition 3

or

ENGL 1BH Honors Literature and Composition 3

and

ENGL 1C	Critical Thinking and Composition	3
<u>or</u>		
<u>ENGL 1CH</u>	<u>Honors Critical Thinking and Composition</u>	<u>3</u>

List A: 6 units

ENGL 15A	Survey of British Literature I	3
ENGL 15B	Survey of British Literature II	3
ENGL 35	World Literature: 3500 BCE to 1650 CE	3
ENGL 36	World Literature: 1650 CE to Present	3
ENGL 40A	American Literature I	3
ENGL 40B	American Literature II	3

List B: 3 units

or any course from List A not already selected

ENGL 24A	Creative Writing: Introduction to Poetry	3
ENGL 25A	Creative Writing: Introduction to the Craft of Fiction	3
ENGL 31	Mythology and Folklore	3
ENGL 42	Chicano and Latino Literature	3
ENGL 43	African American Literature	3
ENGL 44	The Literature of American Ethnic Groups	3

List C (select one): 3-4 units

or any course from List A or List B not already selected

CHIN 1	Elementary Chinese I	4
CHIN 2	Elementary Chinese II	4
<u>CHIN 3</u>	<u>Intermediate Chinese I</u>	<u>4</u>
ENGL 12	Introduction to Fiction	3
ENGL 20	Shakespeare's Plays - Tragedies and Romances	3
ENGL 21	Shakespeare's Plays - Comedies and Histories	3
ENGL 26	The Literature of Science Fiction	3
ENGL 27	Children's Literature	3
ENGL 28	Images of Women in Literature	3
ENGL 30	The English Bible as Literature	3
<u>ENGL 32</u>	<u>Creative Writing: A Workshop in Fiction</u>	<u>3</u>
ENGL 34	The Short Story	3
ENGL 39	Literature and Film	3
ENGL 41B	Survey of Film: 1950 to the Present	3
ENGL 48	Modern Literature of Latin America	3
ENGL 78	Creative Writing: Screenwriting	3
ENGL 98	College Literary Magazine Editing and Publishing	3
FREN 1	Elementary French I	4
FREN 2	Elementary French II	4
FREN 3	Intermediate French I	4

FREN 4	Intermediate French II	4
FREN 5	Advanced French I	3
FREN 6	Advanced French II	3
GERM 1	Elementary German I	4
GERM 2	Elementary German II	4
HUMA 1	An Introduction to Humanities	3
ITAL 1	Elementary Italian I	4
ITAL 2	Elementary Italian II	4
JAPA 1	Elementary Japanese I	4
JAPA 2	Elementary Japanese II	4
JAPA 3	Intermediate Japanese I	4
JAPA 4	Intermediate Japanese II	4
JOUR 1	News Writing and Reporting	3
SPAN 1	Elementary Spanish I	4
SPAN 2	Elementary Spanish II	4
SPAN 3	Intermediate Spanish I	4
SPAN 4	Intermediate Spanish II	4
SPAN 5	Advanced Spanish I	3
SPAN 6	Advanced Spanish II	3
<u>SPAN 52A</u>	<u>Spanish for Native Speakers I</u>	<u>4</u>
<u>SPAN 52B</u>	<u>Spanish for Native Speakers II</u>	<u>4</u>

Total Units: 18-19

Recommendation

Major Requirements **Units**

Required Core: 6 units

ENGL 1B	Literature and Composition	3
or		
ENGL 1BH	Honors Literature and Composition	3
and		
ENGL 1C	Critical Thinking and Composition	3
or		
ENGL 1CH	Honors Critical Thinking and Composition	3

List A: 6 units

ENGL 15A	Survey of British Literature I	3
ENGL 15B	Survey of British Literature II	3
ENGL 35	World Literature: 3500 BCE to 1650 CE	3
ENGL 36	World Literature: 1650 CE to Present	3
ENGL 40A	American Literature I	3
ENGL 40B	American Literature II	3

List B: 3 units

or any course from List A not already selected

ENGL 24A	Creative Writing: Introduction to Poetry	3
ENGL 25A	Creative Writing: Introduction to the Craft of Fiction	3
ENGL 31	Mythology and Folklore	3
ENGL 42	Chicano and Latino Literature	3
ENGL 43	African American Literature	3
ENGL 44	The Literature of American Ethnic Groups	3

List C (select one): 3-4 units

or any course from List A or List B not already selected

CHIN 1	Elementary Chinese I	4
CHIN 2	Elementary Chinese II	4
CHIN 3	Intermediate Chinese I	4
ENGL 12	Introduction to Fiction	3
ENGL 20	Shakespeare's Plays - Tragedies and Romances	3
ENGL 21	Shakespeare's Plays - Comedies and Histories	3
ENGL 27	Children's Literature	3
ENGL 28	Images of Women in Literature	3
ENGL 30	The English Bible as Literature	3
ENGL 32	Creative Writing: A Workshop in Fiction	3
ENGL 34	The Short Story	3
ENGL 39	Literature and Film	3
ENGL 41B	Survey of Film: 1950 to the Present	3
ENGL 48	Modern Literature of Latin America	3
ENGL 78	Creative Writing: Screenwriting	3
ENGL 98	College Literary Magazine Editing and Publishing	3
FREN 1	Elementary French I	4
FREN 2	Elementary French II	4
FREN 3	Intermediate French I	4
FREN 4	Intermediate French II	4
FREN 5	Advanced French I	3
FREN 6	Advanced French II	3
GERM 1	Elementary German I	4
GERM 2	Elementary German II	4
HUMA 1	An Introduction to Humanities	3
ITAL 1	Elementary Italian I	4
ITAL 2	Elementary Italian II	4
JAPA 1	Elementary Japanese I	4
JAPA 2	Elementary Japanese II	4
JAPA 3	Intermediate Japanese I	4
JAPA 4	Intermediate Japanese II	4
JOUR 1	News Writing and Reporting	3

SPAN 1	Elementary Spanish I	4
SPAN 2	Elementary Spanish II	4
SPAN 3	Intermediate Spanish I	4
SPAN 4	Intermediate Spanish II	4
SPAN 5	Advanced Spanish I	3
SPAN 6	Advanced Spanish II	3
SPAN 52A	Spanish for Native Speakers I	4
SPAN 52B	Spanish for Native Speakers II	4

Total Units: 18-19

CHANGE IN MAJOR; COURSE REQUIREMENTS, TOTAL UNITS

1. Journalism A.A. Degree

Current Status/Proposed Changes

At least 15 units required for the major must be completed at El Camino College.

Major Requirements		Units
<u>Required Core: 21 units</u>		
JOUR 1	News Writing and Reporting	3
JOUR 8	Advanced Reporting and News Editing	3
and		
JOUR 6	Basic Photojournalism	2 3
or		
PHOT 106	Basic Photojournalism	2 3
and		
JOUR 9abcd	Magazine Editing and Production	2 3
JOUR 11abcd	Newspaper Publication	3
JOUR 12	Mass Media and Society	3
JOUR 14abcd	Multimedia Journalism	3
(one semester each of JOUR 9abcd, JOUR 11abcd, and JOUR 14abcd may be counted for the major)		

2-3 units from:

JOUR 2	Public Relations Methods	3
JOUR 7ab	Advanced Photojournalism	2
or		
PHOT 206ab	Advanced Photojournalism	2
ECON 1	Principles of Economics: Macroeconomics	3
POLI 5	Ethnicity in the American Political Process	3
POLI 8	California State and Local Government and Intergovernmental Issues	3

(one semester of JOUR 7ab or PHOT ~~11ab~~ 206ab may be counted for the major)

Total Units: ~~21-22~~ 23-24

Recommendation

At least 15 units required for the major must be completed at El Camino College.

Major Requirements		Units
Required Core: 21 units		
JOUR 1	News Writing and Reporting	3
JOUR 8	Advanced Reporting and News Editing	3
and		
JOUR 6	Basic Photojournalism	3
or		
PHOT 106	Basic Photojournalism	3
and		
JOUR 9abcd	Magazine Editing and Production	3
JOUR 11abcd	Newspaper Publication	3
JOUR 12	Mass Media and Society	3
JOUR 14abcd	Multimedia Journalism	3
(one semester each of JOUR 9abcd, JOUR 11abcd, and JOUR 14abcd may be counted for the major)		

2-3 units from:

JOUR 7ab	Advanced Photojournalism	2
or		
PHOT 206ab	Advanced Photojournalism	2
ECON 1	Principles of Economics: Macroeconomics	3
POLI 5	Ethnicity in the American Political Process	3
(one semester each of JOUR 7ab or PHOT 206ab may be counted for the major)		

Total Units: 23-24

CHANGE IN MAJOR; PROGRAM DESCRIPTION, COURSE REQUIREMENTS, TOTAL UNITS

1. Journalism AA-T Degree

Current Status/Proposed Changes

The journalism program prepares the student to acquire proficiency in traditional and ~~electronic~~ online news gathering techniques and in analyzing and evaluating information. The student will be able to write a variety of publishable stories for ~~electronic~~ online and print journalism and to apply principles of editing and

publication design. Competencies will be assessed regularly by performance in the college newspaper's print and ~~Web~~ online editions and its magazine, as well as by their participation in state and national competitions. The major prepares the student to transfer to a CSU and major in Journalism, Mass Communications, Public Relations or Advertising as well as provide career opportunities in ~~electronic~~ digital and print journalism, newspaper, magazine, advertising, public relations, and radio/television work.

Major Requirements		Units
Required Core: 9 units		
JOUR 1	News Writing and Reporting	3
JOUR 12	Mass Media and Society	3
<u>JOUR 9abcd</u>	<u>Magazine Editing and Production</u>	<u>3</u>
<u>or</u>		
JOUR 11abcd	Newspaper Publication	3
 List A: 2 or 3 units		
JOUR 8	Advanced Reporting and News Editing	3
JOUR 14abcd	Multimedia Journalism	3
JOUR 2	Public Relations Methods	3
JOUR 6	Basic Photojournalism	2 <u>3</u>
<u>or</u>		
PHOT 106	Basic Photojournalism	2 <u>3</u>
<u>JOUR 9abcd</u>	<u>Magazine Editing and Production</u>	<u>3</u>
<u>or</u>		
JOUR 11abcd	Newspaper Publication	3
 List B: 6 or 7 units		
COMS 4	Argumentation and Debate	3
ECON 1	Principles of Economics: Macroeconomics	3
<u>or</u>		
ECON 2	Principles of Economics: Microeconomics Theory	3
ENGL 1C	Critical Thinking and Composition	3
JOUR 6	Basic Photojournalism	2 <u>3</u>
<u>or</u>		
PHOT 106	Basic Photojournalism	2 <u>3</u>
JOUR 9abcd	Magazine Editing and Production	2
JOUR 2	Public Relations Methods	3
JOUR 11abcd	Newspaper Publication	3
JOUR 14abcd	Multimedia Journalism	3
MATH 150	Elementary Statistics with Probability	4
<u>or</u>		
PSYC 9A	Introduction to Elementary Statistical Methods for the Study	4

	of Behavior	
or		
SOCI 109	Introduction to Elementary Statistical Methods for the Study of Behavior	4
PHIL 106	Introduction to Symbolic Logic	3
PHOT 51	Elementary Photography	2
or		
JOUR 6	Basic Photojournalism	2
POLI 1	Governments of the United States and California	3
POLI 2	Introduction to Comparative Politics	3

Total Units 18-19

Recommendation

The journalism program prepares the student to acquire proficiency in traditional and online news gathering techniques and in analyzing and evaluating information. The student will be able to write a variety of publishable stories for online and print journalism and to apply principles of editing and publication design. Competencies will be assessed regularly by performance in the college newspaper's print and online editions and its magazine, as well as by their participation in state and national competitions. The major prepares the student to transfer to a CSU and major in Journalism, Mass Communications, Public Relations or Advertising as well as provide career opportunities in digital and print journalism, newspaper, magazine, advertising, public relations, and radio/television work.

Major Requirements		Units
Required Core: 9 units		
JOUR 1	News Writing and Reporting	3
JOUR 12	Mass Media and Society	3
JOUR 9abcd	Magazine Editing and Production	3
or		
JOUR 11abcd	Newspaper Publication	3
List A: 3 units		
JOUR 8	Advanced Reporting and News Editing	3
JOUR 14abcd	Multimedia Journalism	3
JOUR 6	Basic Photojournalism	3
or		
PHOT 106	Basic Photojournalism	3
JOUR 9abcd	Magazine Editing and Production	3
or		
JOUR 11abcd	Newspaper Publication	3

List B: 6-7 units

COMS 4	Argumentation and Debate	3
ECON 1	Principles of Economics: Macroeconomics	3
or		
ECON 2	Principles of Economics: Microeconomics Theory	3
ENGL 1C	Critical Thinking and Composition	3
JOUR 6	Basic Photojournalism	3
or		
PHOT 106	Basic Photojournalism	3
JOUR 11abcd	Newspaper Publication	3
JOUR 14abcd	Multimedia Journalism	3
MATH 150	Elementary Statistics with Probability	4
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
PHIL 106	Introduction to Symbolic Logic	3
POLI 1	Governments of the United States and California	3
POLI 2	Introduction to Comparative Politics	3

Total Units 18-19**CHANGE IN CERTIFICATE; COURSE REQUIREMENTS, TOTAL UNITS****1. Journalism Certificate of Achievement***Current Status/Proposed Changes*

A Certificate of Achievement will be granted upon completion of all program requirements. At least 15 units of the certificate requirements must be completed at El Camino College.

Certificate Requirements		Units
JOUR 1	News Writing and Reporting	3
JOUR 8	Advanced Reporting and News Editing	3
and		
JOUR 6	Basic Photojournalism	2 3
or		
PHOT 106	Basic Photojournalism	2 3
and		
JOUR 9abcd	Magazine Editing and Production	2 3
JOUR 11abcd	Newspaper Publication	3

JOUR 12	Mass Media and Society	3
JOUR 14abcd	Multimedia Journalism	3

(one semester each of JOUR 9abcd, JOUR 11abcd, and JOUR 14abcd may be counted for the certificate)

Total Units: ~~19~~ 21

Recommendation

A Certificate of Achievement will be granted upon completion of all program requirements. At least 15 units of the certificate requirements must be completed at El Camino College.

Certificate Requirements		Units
JOUR 1	News Writing and Reporting	3
JOUR 8	Advanced Reporting and News Editing	3
and		
JOUR 6	Basic Photojournalism	3
or		
PHOT 106	Basic Photojournalism	3
and		
JOUR 9abcd	Magazine Editing and Production	3
JOUR 11abcd	Newspaper Publication	3
JOUR 12	Mass Media and Society	3
JOUR 14abcd	Multimedia Journalism	3

(one semester each of JOUR 9abcd, JOUR 11abcd, and JOUR 14abcd may be counted for the certificate)

Total Units: 21

INDUSTRY AND TECHNOLOGY

NEW COURSES

1. Air Conditioning and Refrigeration 61 – Fundamentals of Automation Systems
Units: 3.0 Lecture: 3.0 Faculty Load: 20.00%
Recommended Preparation: Air Conditioning and Refrigeration 21 and Air Conditioning and Refrigeration 31
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer
This course is an introduction to the fundamentals of automation, commissioning, re-commissioning, retro-commissioning, installation, service and troubleshooting of

mechanical, electrical, and direct digital control (DDC) systems for the heating, ventilation, air-conditioning, and refrigeration (HVACR) industry. This course includes a review of automation system communication protocols and unit supervisory level programming.

2. Air Conditioning and Refrigeration 62 – Energy Control and Optimization Systems
Units: 4.0 Lecture: 3.0 Lab: 3.0 Faculty Load: 35.00%
Prerequisite: Air Conditioning and Refrigeration 61 with a minimum grade of C
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

In this course students will apply knowledge gained to develop, plan, direct, implement, optimize, and sustain system energy efficiency and control in single and multi-site locations. Course topics include direct digital controls, programmable controls, configurable controllers, multi-zone systems, communication protocols, control system commissioning, logic circuits, object and property program structure, and interoperability.

3. Cosmetology 2A – Intermediate Cosmetology
Units: 8.0 Lecture: 3.0 Lab: 15.0 Faculty Load: 95.00%
Prerequisite: Cosmetology 1 and Cosmetology 10 with a minimum grade of C
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

The intermediate principles and practical operations of cosmetology equipment, procedures, and techniques will be studied. The course is designed as an intensive, multi-disciplinary workshop in the most common cosmetology processes. Lectures focus on intermediate theories of the practice of cosmetology and application. The lab supports cosmetology students with skills, techniques, safety practices, and sanitation procedures according to the California State Board of Barbering and Cosmetology. Students will be introduced to performing intermediate cosmetology procedures on clients in a salon setting.

4. Cosmetology 2B – Advanced Cosmetology
Units: 8.0 Lecture: 3.0 Lab: 15.0 Faculty Load: 95.00%
Prerequisite: Cosmetology 2A or Cosmetology 11 with a minimum grade of C or equivalent
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

The advanced principles and practical operations of cosmetology equipment, procedures and techniques will be studied. The course is designed as an intensive, multi-disciplinary workshop in the most common cosmetology processes. Lectures focus on advanced theories of the practice of cosmetology and application. The lab is designed to support cosmetology students with skills, techniques, safety practices, and sanitation procedures according to the California State Board of Barbering and Cosmetology. Students will perform advanced cosmetology procedures on clients in a salon setting.

5. Cosmetology 2C – Advanced Cosmetology and State Board Review
Units: 8.0 Lecture: 3.0 Lab: 15.0 Faculty Load: 95.00%
Prerequisite: Cosmetology 2B or Cosmetology 11 with a minimum grade of C or equivalent
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

This advanced course is designed to prepare students for the California State Board of Barbering and Cosmetology written and practical exams. Lectures focus on advanced cosmetology theories. Students practice for the state examination by taking mock written and practical exams. Emphasis is placed on mastery of the necessary cosmetology concepts, principles and skills on clients in a salon setting required to pass the California State Licensing exam for Cosmetology.

6. Construction Technology 230 – Cabinet Making Lab
Units: 1.5 Lab: 4.5 Faculty Load: 22.50%
Prerequisite: Construction Technology 200 or Construction Technology 201 or Construction Technology 202 or Construction Technology 203 with a minimum of C or concurrent enrollment
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

This course provides students the lab time and facility to take on more challenging projects in order to maintain and continue perfecting skills acquired in other construction technology courses. Students will focus on advanced cabinet fabrication techniques including machine joinery and use of jigs and fixtures. A work plan will be developed for efficient assembly, as well as incorporating final detail work and application of finishing materials.

7. Fashion 18 – Advanced Fashion Illustration Portfolio Techniques
Units: 2.0 Lecture: 1.0 Lab: 3.0 Faculty Load: 21.67%
Prerequisite: Fashion 16 with a minimum grade of C or equivalent

Recommended Preparation: Art 217
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer

This advanced fashion illustration and costume design course prepares students to develop a professional portfolio for presentation to employers and to qualify for university transfer. Through lecture and lab, advanced research, rendering, and media techniques, fashion design and merchandising skills are emphasized for perfecting portfolio presentations.

COURSE REVIEW

1. Environmental Technology 101 – Theory and Relevancy of Global Environmental Awareness
2. Environmental Technology 165 – Sustainable and Regenerative Practices in Site and Landscape Development

CTE TWO-YEAR COURSE REVIEW

1. Computer Aided Design/Drafting 43 – Design Process and Concepts
2. Construction Technology 110 – Additions and Remodeling

CTE TWO-YEAR COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION

1. Air Conditioning and Refrigeration 30 – Electric Controls

Current Status/Proposed Changes

This course covers the study of electrical and electronic components, ~~electric~~ motors, and circuitry for air conditioning and refrigeration controls. ~~Theoretical principles are applied to diagnose electrical~~ Students apply theoretical principles in diagnosing electrical and electronic problems and safely make necessary repairs to refrigeration, heating, ventilating and air conditioning (HVAC) systems. Energy efficiency practices and process related to electric and electronic controls is the focus of this course.

Recommendation

This course covers the study of electrical and electronic components, motors, and circuitry for air conditioning and refrigeration controls. Students apply theoretical principles in diagnosing electrical and electronic problems and safely make necessary

repairs to refrigeration, heating, ventilating and air conditioning (HVAC) systems. Energy efficiency practices and process related to electric and electronic controls is the focus of this course.

CTE TWO-YEAR COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT (Pre/Corequisite, Recommended Preparation, or Enrollment Limitation)

1. Fire and Emergency Technology 1 – Fire Protection Organization
Current Status/Proposed Changes
Recommended Preparation: ~~English A~~ eligibility for English 1A

Recommendation

Recommended Preparation: eligibility for English 1A

CTE TWO-YEAR COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, CONDITIONS OF ENROLLMENT (Pre/Corequisite, Recommended Preparation, or Enrollment Limitation)

Current Status/Proposed Changes

1. Administration of Justice 49 – ~~Laws of~~ Penal Code 832 - Arrest and Firearms –~~Penal Code 832~~

Enrollment Limitation: Students must have a Department of Justice (DOJ) background clearance prior to enrolling in this course.

Recommended Preparation: ~~eligibility for~~ English 84

Recommendation

Administration of Justice 49 – Penal Code 832 - Arrest and Firearms

Enrollment Limitation: Students must have a Department of Justice (DOJ) background clearance prior to enrolling in this course.

Recommended Preparation: English 84

CTE TWO-YEAR COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, CATALOG DESCRIPTION

Current Status/Proposed Changes

1. Computer Aided Design/Drafting 28 – Parametric ~~Solid~~ Three Dimensional (3D) Modeling and Assemblies

In this course, students ~~will dimension~~ create three-dimensional (3D) models, assemblies, orthographic two-dimensional (2-D 2D) drawings with ~~detail~~ dimensions, detail, auxiliary, and section views. Also Students will also create exploded animated assemblies (kinematics) will be created in this class using Inventor Pro software, an Autodesk product. This course utilizes Dassault SolidWorks software (SolidWorks).

Recommendation

Computer Aided Design/Drafting 28 – Parametric Three Dimensional (3D) Modeling and Assemblies

In this course, students create three-dimensional (3D) models, assemblies, orthographic two-dimensional (2D) drawings with dimensions, detail, auxiliary and section views. Students will also create exploded animated assemblies (kinematics). This course utilizes Dassault SolidWorks software (SolidWorks).

CTE TWO-YEAR COURSE REVIEW; DISTANCE EDUCATION UPDATE; CHANGES IN DESCRIPTIVE TITLE, CATALOG DESCRIPTION

Current Status/Proposed Changes

1. Computer Aided Design/Drafting 7 – ~~Wireframe with Surfaces, Solid Modeling, and Assemblies~~ and Two Dimensional (2D) Drawings

In this course, students create two-dimensional (2D) sketches, three-dimensional (3-D 3D) wireframe and surfaced solid models, assembly and two-dimensional (2-D) drawings. Models or assemblies are displayed on a 2-D 2D drawing format and orthographically projected with dimensions added. Shading, rendering and solid model modifications is are also available in the 2-D 2D mode. Auxiliary, detail and section views are also created with such commands as Solview and Soldraw. the use of the place view toolbar and its commands. This course utilizes Autodesk Inventor Pro software (Inventor Pro).

Recommendation

Computer Aided Design/Drafting 7 – Solid Modeling, Assemblies and Two Dimensional (2D) Drawings

In this course, students create two-dimensional (2D) sketches, three-dimensional (3D) wireframe and solid models. Models or assemblies are displayed on a 2D drawing format and orthographically projected with dimensions added. Shading, rendering and solid model modifications are also available in the 2D mode. Auxiliary, detail and

section views are also created with the use of the place view toolbar and its commands. This course utilizes Autodesk Inventor Pro software (Inventor Pro).

CTE TWO-YEAR COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, CATALOG DESCRIPTION, CONDITIONS OF ENROLLMENT (Pre/Corequisite, Recommended Preparation, or Enrollment Limitation)

Current Status/Proposed Changes

1. Air Conditioning and Refrigeration 34 – HVAC Customer Service and Environmental Protection Agency (EPA) and NATE Certification Training

Recommended Preparation: Air Conditioning and Refrigeration 21 or Air Conditioning and Refrigeration 22

This is a course in heating, ventilation and air conditioning (HVAC) customer service ~~and EPA~~, Environmental Protection Agency (EPA) Section 608 Certification and North American Technician Excellence (NATE) Certification. Topics covered include communication skills, problem solving, interview skills, refrigerant recovery and recycling, laws, regulations, and ~~regulations~~ energy efficiency. Students learn vital workplace skills through designed exercises as well as how employers evaluate these skills. Students ~~will~~ can prepare for universal EPA and NATE certification.

Recommendation

Air Conditioning and Refrigeration 34 – HVAC Customer Service and Environmental Protection Agency (EPA) and NATE Certification Training

Recommended Preparation: Air Conditioning and Refrigeration 21 or Air Conditioning and Refrigeration 22

This is a course in heating, ventilation and air conditioning (HVAC) customer service, Environmental Protection Agency (EPA) Section 608 Certification and North American Technician Excellence (NATE) Certification. Topics covered include communication skills, problem solving, interview skills, refrigerant recovery and recycling, laws, regulations, and energy efficiency. Students learn vital workplace skills through designed exercises as well as how employers evaluate these skills. Students can prepare for universal EPA and NATE certification.

Current Status/Proposed Changes

2. Architecture 125 – ~~Advanced Three Dimensional Architectural Computer Aided Design~~ Building Information Modeling (BIM) II

~~Prerequisite: Architecture 121 abed with a minimum grade of C or equivalent~~

Recommended Preparation: Architecture 121

~~This advanced course in three-dimensional (3D) computer-aided design for Architecture uses various CAD software including Revit Architecture to teach Building Information Modeling (BIM) techniques~~ teaches intermediate techniques in Building Information Modeling (BIM) using various architectural Computer Aided Design (CAD) software including Autodesk Revit. Topics ~~will~~ include computer animation, rendering, design analysis, and documentation of buildings. Students will create detailed computer models of buildings and generate floor plans, building sections, elevations, details and schedules from the model.

Recommendation

Architecture 125 – Building Information Modeling (BIM) II

Recommended Preparation: Architecture 121

This course teaches intermediate techniques in Building Information Modeling (BIM) using various architectural computer aided design (CAD) software including Autodesk Revit. Topics include computer animation, rendering, design analysis and documentation of buildings. Students will create detailed computer models of buildings and generate floor plans, building sections, elevations, details and schedules from the model.

Current Status/Proposed Changes

3. Fashion 16 – Intermediate Contemporary and Historical Fashion Illustrating Illustration

Prerequisite: Fashion 15 with a minimum grade of C or equivalent

~~Recommended Preparation: Art 217 or concurrent enrollment~~

~~In this course, students utilize and refine drawing and rendering skills focusing on illustrations of the fashion figure using various art materials. Students create a fashion illustration portfolio and develop presentation skills specific to creative fashion design. Topics include fashion illustrations for specific categories of merchandise, group or line building conceptualization, apparel workroom illustration or technical flats, fabric rendering and fashion advertising illustration for specific target markets.~~

This course focuses on contemporary and historic illustration. Students delve into the study of historical fashion design, how it is properly illustrated, and its application for contemporary apparel design. Historic time periods include the Egyptian, Greek, Roman, Middle Ages, Renaissance, 17th and 18th Centuries, Empire, Romantic, Caroline and Edwardian Period to 1980's. Attention is given to fabric, color, and texture renderings in various mediums.

Recommendation

Fashion 16 – Intermediate Contemporary and Historical Fashion Illustration

Prerequisite: Fashion 15 with a minimum grade of C or equivalent

Recommended Preparation: Art 217

This course focuses on contemporary and historic illustration. Students delve into the study of historical fashion design, how it is properly illustrated, and its application for contemporary apparel design. Historic time periods include the Egyptian, Greek, Roman, Middle Ages, Renaissance, 17th and 18th Centuries, Empire, Romantic, Caroline and Edwardian Period to 1980's. Attention is given to fabric, color, and texture renderings in various mediums.

NEW DISTANCE EDUCATION COURSE VERSION

1. Fire and Emergency Technology 1 – Fire Protection Organization

INACTIVATE COURSES

1. Air Conditioning and Refrigeration 22 – Basic Refrigeration
2. Cosmetology 12 – Intermediate Cosmetology
3. Cosmetology 13 – Advanced Cosmetology I
4. Cosmetology 14abcd – Advanced Cosmetology II
5. Construction Technology 105 – Residential Light Steel Framing

INACTIVATE PROGRAMS

1. Industrial Technology A.S. Degree
2. Computer Patternmaking Technician Certificate of Achievement
3. Costume Technician Certificate of Achievement

CHANGE IN MAJOR; PROGRAM DESCRIPTION, COURSE REQUIREMENTS, RECOMMENDED ELECTIVES

1. Air Conditioning and Refrigeration A.S. Degree

Current Status/Proposed Changes

The air conditioning and refrigeration program prepares students for employment in the field and provides upgrade opportunities for currently employed personnel. By completing the degree or certificate requirements, the student will gain proficiency in

service, troubleshooting, ~~and~~ installation, and energy efficient operation of residential, commercial and industrial heating, air conditioning, ~~and~~ refrigeration, and control systems. Students will learn to read wiring diagram, diagnose control circuits, operate test equipment, and service pneumatic, ~~and~~ electric and electronic controls. Competencies will be assessed in accordance with the Environmental Protection Agency certificate criteria. Students completing the program may expect to enter industry as an advanced apprentice or entry-level heating, ventilation, ~~and~~ air conditioning, and controls technician.

At least 50% of the major requirements for the Associate in Science degree must be completed at El Camino College.

Major Requirements		Units
ACR 5	Electrical Applications	4
ACR 6	Refrigeration and Air Conditioning Control Systems	4
ACRP 20	Automotive Collision Investigation	3
ACR 21	Air Conditioning Fundamentals	4
ACR 22	Basic Refrigeration	4
ACR 23	Commercial Refrigeration Applications	4
ACR 25	Energy Efficient Residential, Commercial and Industrial Air Conditioning	4
ACR 27	Heating Technologies	4
ACR 30	Electric Controls	2
<u>ACR 31</u>	<u>HVAC Electronics</u>	<u>2</u>
ACR 32	Fundamentals of Pneumatic Controls	2
ACR 34	HVAC Customer Service	1
<u>ACR 61</u>	<u>Fundamentals of Automation Systems</u>	<u>3</u>
<u>ACR 62</u>	<u>Energy Control and Optimization Systems</u>	<u>4</u>

Total Units: 36

Recommended Electives:

ACR 95abcd	Cooperative Work Experience Education	2-4
<u>BUS 15</u>	<u>Business Mathematics</u>	<u>3</u>
CIS 13	Computer Information Systems	3
CTEC 100	Building Fundamentals	4
TMAT 1	Technical Mathematics for Vocational Students	3

Recommendation

The air conditioning and refrigeration program prepares students for employment in the field and provides upgrade opportunities for currently employed personnel. By completing the degree or certificate requirements, the student will gain proficiency in service, troubleshooting, installation, and energy efficient operation of residential,

commercial and industrial heating, air conditioning, refrigeration, and control systems. Students will learn to read wiring diagram, diagnose control circuits, operate test equipment, and service pneumatic, electric and electronic controls. Competencies will be assessed in accordance with the Environmental Protection Agency certificate criteria. Students completing the program may expect to enter industry as an advanced apprentice or entry-level heating, ventilation, air conditioning, and controls technician.

At least 50% of the major requirements for the Associate in Science degree must be completed at El Camino College.

Major Requirements		Units
ACR 5	Electrical Applications	4
ACR 6	Refrigeration and Air Conditioning Control Systems	4
ACR 21	Air Conditioning Fundamentals	4
ACR 23	Commercial Refrigeration Applications	4
ACR 25	Energy Efficient Residential, Commercial and Industrial Air Conditioning	4
ACR 27	Heating Technologies	4
ACR 30	Electric Controls	2
ACR 31	HVAC Electronics	2
ACR 34	HVAC Customer Service	1
ACR 61	Fundamentals of Automation Systems	3
ACR 62	Energy Control and Optimization Systems	4

Total Units: 36

Recommended Electives:

ACR 95abcd	Cooperative Work Experience Education	2-4
BUS 15	Business Mathematics	3
CIS 13	Computer Information Systems	3
CTEC 100	Building Fundamentals	4

CHANGE IN CERTIFICATE; COURSE REQUIREMENTS

1. Air Conditioning and Refrigeration Electric Controls Certificate of Achievement

Current Status/Proposed Changes

A Certificate of Achievement will be granted upon completion of all program requirements. At least 50% of the courses required for the certificate 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
<u>ACR 31</u>	<u>HVAC Electronics</u>	<u>2</u>
ACR 32	Fundamentals of Pneumatic Controls	2
ACR 34	HVAC Customer Service	1

Total Units: 13

Recommendation

A Certificate of Achievement will be granted upon completion of all program requirements. At least 50% of the courses required for the certificate 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
ACR 31	HVAC Electronics	2
ACR 34	HVAC Customer Service	1

Total Units: 13

2. Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Certificate of Achievement

Current Status/Proposed Changes

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

Certificate Requirements		Units
<u>Required Core: 39 units</u>		
ACR 5	Electrical Applications	4
ACR 6	Refrigeration and Air Conditioning Control Systems	4
ACR 20	Solar Energy Applications Photovoltaics and Solar Thermal	3
ACR 21	Air Conditioning Fundamentals	4
ACR 22	Basic Refrigeration	4
ACR 23	Commercial Refrigeration Applications	4
ACR 25	Energy Efficient Residential, Commercial and Industrial Air Conditioning	4
ACR 27	Heating Technologies	4
ACR 30	Electric Controls	2
<u>ACR 31</u>	<u>HVAC Electronics</u>	<u>2</u>
ACR 32	Fundamentals of Pneumatic Controls	2

ACR 34	HVAC Customer Service	1
<u>ACR 61</u>	<u>Fundamentals of Automation Systems</u>	<u>3</u>
<u>ACR 62</u>	<u>Energy Control and Optimization Systems</u>	<u>4</u>
<u>BUS 15</u>	<u>Business Mathematics</u>	<u>3</u>
or		
TMAT-1	Technical Mathematics for Vocational Students	3

Total Units: 39

Recommendation

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

Certificate Requirements		Units
Required Core: 39 units		
ACR 5	Electrical Applications	4
ACR 6	Refrigeration and Air Conditioning Control Systems	4
ACR 21	Air Conditioning Fundamentals	4
ACR 23	Commercial Refrigeration Applications	4
ACR 25	Energy Efficient Residential, Commercial and Industrial Air Conditioning	4
ACR 27	Heating Technologies	4
ACR 30	Electric Controls	2
ACR 31	HVAC Electronics	2
ACR 34	HVAC Customer Service	1
ACR 61	Fundamentals of Automation Systems	3
ACR 62	Energy Control and Optimization Systems	4
BUS 15	Business Mathematics	3

Total Units: 39

3. Refrigeration Certificate of Achievement

Current Status/Proposed Changes

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

Certificate Requirements		Units
ACR 6	Refrigeration and Air Conditioning Control Systems	4
<u>ACR 21</u>	<u>Air Conditioning Fundamentals</u>	<u>4</u>
ACR 22	Basic Refrigeration	4
ACR 23	Commercial Refrigeration Applications	4

ACR 34	HVAC Customer Service	1
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Total Units: 13

Recommendation

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

Certificate Requirements		Units
ACR 6	Refrigeration and Air Conditioning Control Systems	4
ACR 21	Air Conditioning Fundamentals	4
ACR 23	Commercial Refrigeration Applications	4
ACR 34	HVAC Customer Service	1

Total Units: 13

CHANGE IN MAJOR; COURSE REQUIREMENTS, TOTAL UNITS

1. Cosmetology A.S. Degree

Current Status/Proposed Changes

Major Requirements **Units**
 Completion of 41-42 units ~~a minimum of 35 units~~ (1,600 hours) from the following:

13 units from:

COSM 1	Introduction to Cosmetology Procedures	13
<i>or</i>		
COSM 10	Introduction to Cosmetology I	6.5
COSM 11	Introduction to Cosmetology II	6.5

28-29 units from:

<u>COSM 2A</u>	<u>Intermediate Cosmetology</u>	<u>8</u>
<u>COSM 2B</u>	<u>Advanced Cosmetology</u>	<u>8</u>
<u>COSM 2C</u>	<u>Advanced Cosmetology and State Board Review</u>	<u>8</u>
COSM 3	Advanced Cosmetology Applications	5
<i>or</i>		
COSM 4	Cosmetology Practicum	4

~~13 units from:~~

COSM 2abcd	Advanced Cosmetology Procedures	6.5
COSM 12	Intermediate Cosmetology	6.5
COSM 13	Advanced Cosmetology I	6.5

(a minimum two semesters of COSM 2abcd)

9 units from:

COSM 2abcd	Advanced Cosmetology Procedures	6.5
COSM 3	Advanced Cosmetology Applications	5
COSM 4	Cosmetology Practicum	4
COSM 14abcd	Advanced Cosmetology II	6.5
COSM 16abcd	Cosmetology Applications	3

(a minimum two semesters of COSM 2abcd)

Total Units: ~~35~~ 41-42

Recommendation

Major Requirements

Units

Completion of 41-42 units (1,600 hours) from the following:

13 units from:

COSM 1	Introduction to Cosmetology Procedures	13
or		
COSM 10	Introduction to Cosmetology I	6.5
COSM 11	Introduction to Cosmetology II	6.5

28-29 units from:

COSM 2A	Intermediate Cosmetology	8
COSM 2B	Advanced Cosmetology	8
COSM 2C	Advanced Cosmetology and State Board Review	8
COSM 3	Advanced Cosmetology Applications	5
or		
COSM 4	Cosmetology Practicum	4

Total Units: 41-42

2. Fashion Merchandising Option A.S. Degree

Current Status/Proposed Changes

Major Requirements

Units

BUS 22	Human Relations in Business	3
FASH 1	Career Opportunities in Fashion	1
FASH 2	Presentation Techniques for Fashion	1
FASH 4	Computer Fashion Illustration	3
FASH 10	Clothing Construction I	3
FASH 15	<u>Beginning Fashion Sketching Illustration</u>	2
FASH 20	Textiles	3

FASH 27	Fashion Merchandising	3
FASH 28	Visual Merchandising	2
FASH 35	Applied Color Theory	2
FASH 41	Fashion Analysis and Selection	3
FASH 44	Fashion Show Production and Promotions	3
<u>FASH 95abcd</u>	<u>Cooperative Work Experience Education</u>	<u>2</u>

(one semester of FASH 95abcd may be counted for the major)

Total Units: ~~29~~ 31

Recommendation

Major Requirements		Units
BUS 22	Human Relations in Business	3
FASH 1	Career Opportunities in Fashion	1
FASH 2	Presentation Techniques for Fashion	1
FASH 4	Computer Fashion Illustration	3
FASH 10	Clothing Construction I	3
FASH 15	Beginning Fashion Illustration	2
FASH 20	Textiles	3
FASH 27	Fashion Merchandising	3
FASH 28	Visual Merchandising	2
FASH 35	Applied Color Theory	2
FASH 41	Fashion Analysis and Selection	3
FASH 44	Fashion Show Production and Promotions	3
FASH 95abcd	Cooperative Work Experience Education	2

(one semester of FASH 95abcd may be counted for the major)

Total Units: 31

CHANGE IN MAJOR; COURSE REQUIREMENTS, TOTAL UNITS, RECOMMENDED ELECTIVES

1. Fashion Design and Production Option A.S. Degree

Current Status/Proposed Changes

Major Requirements		Units
FASH 1	Career Opportunities in Fashion	1
FASH 2	Presentation Techniques for Fashion	1
FASH 4	Computer Fashion Illustration	3
FASH 10	Clothing Construction I	3
FASH 14	Pattern Grading	1
FASH 15	<u>Beginning Fashion Sketching Illustration</u>	2
<u>FASH 16</u>	<u>Intermediate Contemporary and Historical Fashion Illustration</u>	<u>2</u>

FASH 17	Decorative Textiles	1
<u>FASH 18</u>	<u>Advanced Fashion Illustration Portfolio Techniques</u>	<u>2</u>
FASH 20	Textiles	3
FASH 26A	Basic Design and Patternmaking	3
FASH 26B	Basic Dress Design through Draping Process	3
FASH 29	Computer Pattern Design/Patternmaking	3
<u>FASH 31</u>	<u>History of Costume</u>	<u>3</u>
FASH 35	Applied Color Theory	2
FASH 41	Fashion Analysis and Selection	3
<u>FASH 95abcd</u>	<u>Cooperative Work Experience Education</u>	<u>2</u>
ART 110	Drawing Fundamentals I	3

(one semester of FASH 95abcd may be counted for the major)

Total Units: ~~32~~ 34

Recommended Electives:

<u>FASH 11</u>	<u>Clothing Construction II</u>	<u>3</u>
<u>FASH 35</u>	<u>Applied Color Theory</u>	<u>2</u>

Recommendation

Major Requirements		Units
FASH 1	Career Opportunities in Fashion	1
FASH 4	Computer Fashion Illustration	3
FASH 10	Clothing Construction I	3
FASH 14	Pattern Grading	1
FASH 15	Beginning Fashion Illustration	2
FASH 16	Intermediate Contemporary and Historical Fashion Illustration	2
FASH 18	Advanced Fashion Illustration Portfolio Techniques	2
FASH 20	Textiles	3
FASH 26A	Basic Design and Patternmaking	3
FASH 26B	Basic Dress Design through Draping Process	3
FASH 29	Computer Pattern Design/Patternmaking	3
FASH 31	History of Costume	3
FASH 41	Fashion Analysis and Selection	3
FASH 95abcd	Cooperative Work Experience Education	2

(one semester of FASH 95abcd may be counted for the major)

Total Units: 34

Recommended Electives:

FASH 11	Clothing Construction II	3
FASH 35	Applied Color Theory	2

CHANGE IN CERTIFICATE; PROGRAM TITLE, COURSE REQUIREMENTS, TOTAL UNITS

Current Status/Proposed Changes

1. Cosmetology Level ~~III~~ II Certificate of Achievement

A Certificate of Achievement will be granted 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
Completion of Level I and Level II requirements: 24-31 units		
<u>Completion of Level I: 13 units</u>		
<u>COSM 1</u>	<u>Introduction to Cosmetology Procedures</u>	<u>13</u>
<i>or</i>		
<u>COSM 10</u>	<u>Introduction to Cosmetology I</u>	<u>6.5</u>
<u>COSM 11</u>	<u>Introduction to Cosmetology II</u>	<u>6.5</u>

~~Complete a minimum of 8-11 units from:~~

Complete 28-29 units from:

COSM 2abcd	Advanced Cosmetology Procedures	6.5
<u>COSM 2A</u>	<u>Intermediate Cosmetology</u>	<u>8</u>
<u>COSM 2B</u>	<u>Advanced Cosmetology</u>	<u>8</u>
<u>COSM 2C</u>	<u>Advanced Cosmetology and State Board Review</u>	<u>8</u>
<u>COSM 3</u>	<u>Advanced Cosmetology Applications</u>	<u>5</u>
<i>or</i>		
<u>COSM 4</u>	<u>Cosmetology Practicum</u>	<u>4</u>
COSM 5ab	Evening Cosmetology Practicum	2
COSM 13	Advanced Cosmetology I	6.5
COSM 14abcd	Advanced Cosmetology II	6.5
COSM 16abcd	Cosmetology Applications	3

~~(a minimum of two semesters of COSM 2abcd)~~

~~(completion of an additional 600 hours)~~

~~(completion of 1600 hours)~~

Total Units: ~~35-39~~ 41-42

Recommendation

Cosmetology Level II Certificate of Achievement

A Certificate of Achievement will be granted 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
Completion of Level I: 13 units		
COSM 1	Introduction to Cosmetology Procedures	13
or		
COSM 10	Introduction to Cosmetology I	6.5
COSM 11	Introduction to Cosmetology II	6.5
Complete 28-29 units from:		
COSM 2A	Intermediate Cosmetology	8
COSM 2B	Advanced Cosmetology	8
COSM 2C	Advanced Cosmetology and State Board Review	8
COSM 3	Advanced Cosmetology Applications	5
or		
COSM 4	Cosmetology Practicum	4
Total Units: 41-42		

CHANGE IN CERTIFICATE; COURSE REQUIREMENTS, TOTAL UNITS

1. Fashion Design and Production Certificate of Achievement

Current Status/Proposed Changes

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

Certificate Requirements		Units
<u>Required Core: 25 units</u>		
FASH 1	Career Opportunities in Fashion	1
FASH 2	Presentation Techniques for Fashion	1
FASH 4	Computer Fashion Illustration	3
FASH 10	Clothing Construction I	3
FASH 14	Pattern Grading	1
FASH 15	<u>Beginning Fashion Sketching Illustration</u>	2
FASH 17	Decorative Textiles	4
FASH 20	Textiles	3
FASH 26A	Basic Design and Patternmaking	3
FASH 26B	Basic Dress Design through Draping Process	3
FASH 29	Computer Pattern Design/Patternmaking	3
FASH 35	Applied Color Theory	2
FASH 41	Fashion Analysis and Selection	3
FASH 95abcd	Cooperative Work Experience Education	2

(one semester of FASH 95abcd may be counted for the certificate) ~~FASH 4, FASH 10, FASH 15, FASH 17, FASH 29~~

three courses 4-6 units from:

FASH 11	Clothing Construction II	3
FASH 16	Fashion Illustrating	2
<u>FASH 18</u>	<u>Advanced Fashion Illustration Portfolio Techniques</u>	<u>2</u>
<u>FASH 23</u>	<u>Fitting and Alterations</u>	<u>2</u>
FASH 24	Tailoring	3
<u>FASH 29</u>	<u>Computer Pattern Design/Patternmaking</u>	<u>3</u>
FASH 31	History of Costume	3
<u>FASH 35</u>	<u>Applied Color Theory</u>	<u>2</u>
<u>FASH 44</u>	<u>Fashion Show Production and Promotions</u>	<u>3</u>
FASH 36	Advanced Apparel Pattern Making and Draping Design	3
FASH 37	Design for Apparel Manufacture	3
ART 110	Drawing Fundamentals I	3
ART 130	Two Dimensional Design I	3

Total Units: ~~39-42~~ 29-31

Recommendation

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

Certificate Requirements Units

Required Core: 25 units

FASH 1	Career Opportunities in Fashion	1
FASH 2	Presentation Techniques for Fashion	1
FASH 4	Computer Fashion Illustration	3
FASH 10	Clothing Construction I	3
FASH 14	Pattern Grading	1
FASH 15	Beginning Fashion Illustration	2
FASH 20	Textiles	3
FASH 26A	Basic Design and Patternmaking	3
FASH 26B	Basic Dress Design through Draping Process	3
FASH 41	Fashion Analysis and Selection	3
FASH 95abcd	Cooperative Work Experience Education	2

(one semester of FASH 95abcd may be counted for the certificate)

4-6 units from:

FASH 11	Clothing Construction II	3
FASH 16	Fashion Illustrating	2
FASH 18	Advanced Fashion Illustration Portfolio Techniques	2

FASH 23	Fitting and Alterations	2
FASH 29	Computer Pattern Design/Patternmaking	3
FASH 31	History of Costume	3
FASH 35	Applied Color Theory	2
FASH 44	Fashion Show Production and Promotions	3

Total Units: 29-31

2. Fashion Merchandising Certificate of Achievement

Current Status/Proposed Changes

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

Certificate Requirements		Units
<u>Required Core: 29 units</u>		
BUS 15	Business Mathematics	3
BUS 22	Human Relations in Business	3
FASH 1	Career Opportunities in Fashion	1
FASH 2	Presentation Techniques for Fashion	1
FASH 4	Computer Fashion Illustration	3
FASH 10	Clothing Construction I	3
FASH 15	<u>Beginning Fashion Sketching Illustration</u>	2
FASH 20	Textiles	3
FASH 27	Fashion Merchandising	3
FASH 28	Visual Merchandising	2
FASH 35	Applied Color Theory	2
FASH 41	Fashion Analysis and Selection	3
FASH 44	Fashion Show Production and Promotions	3
FASH 95abcd	Cooperative Work Experience Education	2-4 <u>2</u>
<u>(one semester of FASH 95abcd may be counted for the certificate)</u>		

two courses 5-6 units from:

BUS 12	Advertising	3
BUS 13	Personal Selling	3
BUS 14	Marketing	3
BUS 21	Human Resources Management	3
<u>BUS 22</u>	<u>Human Relations in Business</u>	<u>3</u>
BUS 27	Effective English for Business	3
FASH 35	<u>Applied Color Theory</u>	<u>2</u>

Total Units: ~~39-42~~ 34-35

Recommendation

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

Certificate Requirements		Units
Required Core: 29 units		
BUS 15	Business Mathematics	3
FASH 1	Career Opportunities in Fashion	1
FASH 2	Presentation Techniques for Fashion	1
FASH 4	Computer Fashion Illustration	3
FASH 10	Clothing Construction I	3
FASH 15	Beginning Fashion Illustration	2
FASH 20	Textiles	3
FASH 27	Fashion Merchandising	3
FASH 28	Visual Merchandising	2
FASH 41	Fashion Analysis and Selection	3
FASH 44	Fashion Show Production and Promotions	3
FASH 95abcd	Cooperative Work Experience Education	2
(one semester of FASH 95abcd may be counted for the certificate)		

5-6 units from:

BUS 12	Advertising	3
BUS 14	Marketing	3
BUS 21	Human Resources Management	3
BUS 22	Human Relations in Business	3
BUS 27	Effective English for Business	3
FASH 35	Applied Color Theory	2

Total Units: 34-35

3. Fashion Stylist Certificate of Achievement

Current Status/Proposed Changes

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

Certificate Requirements		Units
<u>FASH 2</u>	<u>Presentation Techniques for Fashion</u>	<u>1</u>
FASH 10	Clothing Construction I	3
<u>FASH 15</u>	<u>Beginning Fashion Illustration</u>	<u>2</u>

FASH 23	Fitting and Alterations	2
FASH 31	History of Costume	3
FASH 35	Applied Color Theory	2
FASH 41	Fashion Analysis and Selection	3
FASH 44	Fashion Show Production and Promotions	3
FASH 95abcd	Cooperative Work Experience Education	2-4 <u>2</u>

(~~2-units~~ one semester of FASH 95abcd may be counted for the certificate)

Total Units: ~~18~~ 19

Recommendation

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

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
FASH 95abcd	Cooperative Work Experience Education	2

(one semester of FASH 95abcd may be counted for the certificate)

Total Units: 19

MATHEMATICAL SCIENCES

INACTIVATE PROGRAM

1. Computer Science A.S. Degree

NATURAL SCIENCES

COURSE REVIEW

1. Microbiology 33 – General Microbiology
2. Physics 1C – Electricity and Magnetism

COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION, CONDITIONS OF ENROLLMENT (Pre/Corequisite, Recommended Preparation, or Enrollment Limitation)

1. Physics 1A – Mechanics of Solids

Current Status/Proposed Changes

Prerequisite: ~~Physics 11 and Physics 13 or Physics 2A with a minimum grade of C in prerequisite~~ or One year of high school Physics or Physics 2A and Mathematics 190 with a minimum grade of C in prerequisite or concurrent enrollment

~~This course surveys the mathematical and physical description of vectors, equilibrium, linear~~ is the first course in a four-semester calculus-based physics sequence designed for students with majors in engineering and the physical sciences. The course focuses on the mechanics of solids, with topics including statics, kinematics, Newton's Laws, energy, power, angular motion, linear and angular momentum, rotational dynamics, elasticity, simple harmonic motion, and gravitation.

Recommendation

Prerequisite: One year of high school Physics or Physics 2A and Mathematics 190 with a minimum grade of C in prerequisite or concurrent enrollment

This is the first course in a four-semester calculus-based physics sequence designed for students with majors in engineering and the physical sciences. The course focuses on the mechanics of solids, with topics including statics, kinematics, Newton's Laws, energy, power, linear and angular momentum, rotational dynamics, elasticity, simple harmonic motion, and gravitation.