

# FALL 2023 SCHEDULE

## Industry & Technology Division

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### AIR CONDITIONING & REFRIGERATION (ACR)

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#### Air Conditioning and Refrigeration 5 - 4 Units

##### *Electrical Applications*

Recommended Preparation: Air Conditioning and Refrigeration 21

**7100 See Distance Education Website.....H. Der-Antonian..... Online  
11:00-2:20pm MW LAB.....H. Der-Antonian..... CAT 120**

Section 7100 meets during the first 8 weeks of the semester starting on August 28, 2023. Class will not meet on September 4, 2023. Section 7100 is a Distance Education hybrid course that includes both online instruction for lecture and weekly on-campus class meetings for lab. You must attend the first class meeting on August 28, 2023 from 11:30 a.m. to 2:50 p.m. in Room CAT-120 or you may be dropped from the course. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>.

#### Air Conditioning and Refrigeration 6 - 4 Units

##### *Refrigeration and Air Conditioning Control Systems*

Prerequisite: Air Conditioning and Refrigeration 5 with a minimum grade of C with a minimum grade of C or equivalent

**7102 See Distance Education Website.....H. Der-Antonian..... Online  
11:00-2:20pm MW LAB.....H. Der-Antonian..... CAT 120**

Section 7102 meets during the second 8 weeks of the semester starting on October 23, 2023. Section 7102 is a Distance Education hybrid course that includes both online instruction for lecture and weekly on-campus class meetings for lab. You must attend the first class meeting on October 23, 2023 from 11:00 a.m. to 2:20 p.m. in Room CAT-120 or you may be dropped from the course. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>.

#### Air Conditioning and Refrigeration 21 - 4 Units

##### *Air Conditioning Fundamentals*

###### Evening Hours

**7108 6:00-9:10pm T LAB .....S. Shute ..... CAT 120  
6:15-9:35pm Th LEC.....S. Shute ..... CAT 102  
6:00-9:10pm T LAB .....S. Shute ..... CAT 120  
6:15-9:35pm Th LEC.....S. Shute ..... CAT 102**

#### Air Conditioning and Refrigeration 23 - 4 Units

##### *Commercial Refrigeration Applications*

Prerequisite: Air Conditioning and Refrigeration 21 with a minimum grade of C or equivalent

###### Evening Hours

**7115 6:00-9:10pm T LEC .....V. Bethel..... CAT 102  
6:00-9:20pm Th LAB.....V. Bethel..... CAT 120**

#### Air Conditioning and Refrigeration 25 - 4 Units

##### *Energy Efficient Residential, Commercial and Industrial Air Conditioning*

Prerequisite: Air Conditioning and Refrigeration 21 with a minimum grade of C or equivalent

###### Evening Hours

**7114 6:00-9:20pm M LAB .....K. Robinson ..... CAT 120  
6:00-9:10pm W LEC .....K. Robinson ..... CAT 102**

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### AIR CONDITIONING & REFRIGERATION (ACR)

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#### Air Conditioning and Refrigeration 27 - 4 Units

##### *Heating Technologies*

Prerequisite: Air Conditioning and Refrigeration 21 with a minimum grade of C or equivalent

**7116 See Distance Education Website.....H. Der-Antonian..... Online  
11:00-2:20pm TTh LAB .....H. Der-Antonian..... CAT 120**

Section 7116 meets during the second 8 weeks of the semester starting on October 24, 2023. Class will not meet on November 23, 2023. Section 7116 is a Distance Education hybrid course that includes both online instruction for lecture and weekly on-campus class meetings for lab. You must attend the first class meeting on October 24, 2023 from 11:00 a.m. to 2:20 p.m. in Room CAT-120 or you may be dropped from the course. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>.

#### Air Conditioning and Refrigeration 31 - 2 Units

##### *HVAC Electronics*

Recommended Preparation: Air Conditioning and Refrigeration 21

**7125 See Distance Education Website.....H. Der-Antonian..... Online**

Section 7125 is a fully online class that meets during the first 8 weeks of the semester starting on August 26, 2023. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

#### Air Conditioning and Refrigeration 61 - 3 Units

##### *Fundamentals of Automation Systems*

Recommended Preparation: Air Conditioning and Refrigeration 21 and Air Conditioning and Refrigeration 31

Evening Hours

**7112 6:00-9:10pm M LEC .....V. Bethel..... CAT 102**

Section 7112 will not meet on September 4, 2023.

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### ARCHITECTURE (ARCH)

### ENVIRONMENTAL TECHNOLOGY (ET)

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#### Architecture 100 - 1 Unit

##### *An Orientation to Architecture*

Recommended Preparation: Eligibility for English 1A

**4770 See Distance Education Website.....M. Greas..... Online**

Section 4770 is a fully online class that meets for 6 weeks from August 27 to October 7, 2022. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

#### Architecture 104 - 3 Units

##### *History of Western Architecture*

Recommended Preparation: Eligibility for English 1A

Evening Hours

**7154 6:00-9:10pm W LEC .....M. Johnson..... ITEC 203**

#### Architecture 107 - 3 Units

##### *World Architecture: Pre-History to Middle Ages RP English A*

Evening Hours

**7157 6:00-9:10pm T LEC .....R. Song ..... ITEC 203**

Architecture 107 is designed for Architecture majors.

**7159 6:00-9:10pm M LEC .....R. Song ..... ITEC 203**

Architecture 107 is designed for Architecture majors. Class will not meet on September 4, 2023.

#### Architecture 119 - 3 Units

##### *CAD-Drawing and Modeling*

Note: formerly Architecture 120abcd

**7158 9:30-11:35am F LEC .....R. Jacobs ..... ITEC 206**

**11:45-4:00pm F XLAB .....R. Jacobs ..... ITEC 206**

Class will not meet on November 24, 2023.

#### Architecture 121 - 3 Units

##### *Building Information Modeling I*

Recommended Preparation: Architecture 119 and Architecture 251

Note: formerly Architecture 121abcd

**7162 9:00-11:05am S LEC .....H. Mera ..... ITEC 206**

**11:30-3:45pm S LAB .....H. Mera ..... ITEC 206**

Section 7162 meets on Saturdays starting on August 27, 2022.

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### ARCHITECTURE (ARCH)

### ENVIRONMENTAL TECHNOLOGY (ET)

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#### Architecture 149 - 3 Units

##### *Studio 1 - Design Fundamentals and Principles*

Prerequisite: Architecture 170 with a minimum grade of C or concurrent enrollment

<b>7166</b>	<b>1:00-1:50pm M LEC</b> .....	<b>M. Yeber</b> .....	<b>ITEC 202</b>
	<b>1:00-2:05pm W LEC</b> .....	<b>M. Yeber</b> .....	<b>ITEC 202</b>
	<b>2:15-4:20pm MW XLAB</b> .....	<b>M. Yeber</b> .....	<b>ITEC 202</b>
<b>7167</b>	<b>1:00-1:50pm M LEC</b> .....	<b>M. Yeber</b> .....	<b>ITEC 202</b>
	<b>1:00-2:05pm W LEC</b> .....	<b>M. Yeber</b> .....	<b>ITEC 202</b>
	<b>2:15-4:20pm MW XLAB</b> .....	<b>A. Palasik</b> .....	<b>ITEC 202</b>

**ADDED**

#### Architecture 170 - 3 Units

##### *Graphic Communications I: Orthographic Drawings*

<b>7178</b>	<b>8:30-9:20am M LEC</b> .....	<b>M. Johnson</b> .....	<b>ITEC 202</b>
	<b>8:30-9:35am W LEC</b> .....	<b>M. Johnson</b> .....	<b>ITEC 202</b>
	<b>9:45-11:50am MW XLAB</b> .....	<b>M. Johnson</b> .....	<b>ITEC 202</b>
<b>7180</b>	<b>8:30-9:20am M 111</b> .....	<b>D. Richardson</b> .....	<b>ITEC 202</b>
	<b>9:45-11:50am MW XLAB</b> .....	<b>D. Richardson</b> .....	<b>ITEC 202</b>
	<b>8:30-9:35am W 111</b> .....	<b>D. Richardson</b> .....	<b>ITEC 202</b>

**ADDED**

#### Architecture 171 - 3 Units

##### *Architectural Three-Dimensional Illustration*

Prerequisite: Architecture 170 with a minimum grade C

Evening Hours

<b>7177</b>	<b>5:30-6:20pm T LEC</b> .....	<b>O. Echerri</b> .....	<b>ITEC 202</b>
	<b>6:45-8:50pm TTh XLAB</b> .....	<b>O. Echerri</b> .....	<b>ITEC 202</b>
	<b>5:30-6:35pm Th LEC</b> .....	<b>O. Echerri</b> .....	<b>ITEC 202</b>

#### Architecture 251 - 3 Units

##### *Construction Documentation I*

Recommended Preparation: Architecture 171 and Architecture 119

Note: Formerly Architecture 150A

<b>7169</b>	<b>8:30-9:20am T LEC</b> .....	<b>D. Richardson</b> .....	<b>ITEC 202</b>
	<b>9:45-11:50am TTh XLAB</b> .....	<b>D. Richardson</b> .....	<b>ITEC 202</b>
	<b>8:30-9:35am Th LEC</b> .....	<b>D. Richardson</b> .....	<b>ITEC 202</b>

Formerly ARCH-150A

#### ~~Architecture 252 - 3 Units~~

##### ~~*Construction Documentation II*~~

~~Recommended Preparation: Architecture 119 or equivalent architectural AutoCAD skills~~

~~Note: Formerly Architecture 150B~~

~~Evening Hours~~

<del><b>7171</b></del>	<del><b>5:00-5:50pm M LEC</b></del> .....	<del><b>D. Richardson</b></del> .....	<del><b>ITEC 202</b></del>
	<del><b>6:15-8:20pm MW XLAB</b></del> .....	<del><b>D. Richardson</b></del> .....	<del><b>ITEC 202</b></del>
	<del><b>5:00-6:05pm W LEC</b></del> .....	<del><b>D. Richardson</b></del> .....	<del><b>ITEC 202</b></del>

~~Formerly ARCH-150B~~

**CANCELLED**

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**ARCHITECTURE (ARCH)**  
**ENVIRONMENTAL TECHNOLOGY (ET)**

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**Architecture 258 - 3 Units**  
*Structures Analysis-Timber*

Recommended Preparation: Eligibility for English 1A and Proficiency in pre-algebra skills

Evening Hours

**7176 6:00-9:10pm Th LEC.....F. Segovia..... ITEC 203**

Formerly ARCH-158. Section 7176 will not meet on November 23, 2023.

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### ARCHITECTURE (ARCH)

### ENVIRONMENTAL TECHNOLOGY (ET)

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#### Environmental Technology 101 - 3 Units

*Theory and Relevancy of Global Environmental Awareness*

Recommended Preparation: eligibility for English 1A

Evening Hours

**7519 6:00-9:10pm T LEC .....M. Greas.....Live Online**

Section 7519 is a live online class that includes required Zoom meetings. Online meeting days and times are listed in the schedule. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

#### Environmental Technology 103 - 3 Units

*Environmental Technology Materials and Methodologies*

Recommended Preparation: Environmental Technology 102 and eligibility for English 1A

**7507 8:30-9:20am M LEC .....M. Yeber ..... ITEC 203**  
**9:45-11:50am MW XLAB .....M. Yeber ..... ITEC 203**  
**8:30-9:35am W LEC .....M. Yeber ..... ITEC 203**

#### Environmental Technology 249 - 3 Units

*Studio 3 - Sustainable Design & Ecology*

Prerequisite: Architecture 199 with a minimum grade of C

Note: Formerly Environmental Technology 165

**7508 2:00-2:50pm T LEC .....D. Richardson ..... ITEC 202**  
**3:15-5:20pm TTh XLAB .....D. Richardson ..... ITEC 202**  
**2:00-3:05pm Th LEC .....D. Richardson ..... ITEC 202**

Formerly ET-165

**7521 2:00-2:50pm T LEC .....M. Yeber ..... ITEC 202**  
**3:15-5:20pm TTh XLAB .....M. Yeber ..... ITEC 202**  
**2:00-3:05pm Th LEC .....M. Yeber ..... ITEC 202**

Formerly ET-165

**ADDED**

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### AUTOMOTIVE COLLISION REPAIR / PAINTING (ACRP)

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#### Automotive Collision Repair/Painting 1A - 8 Units

##### *Introduction to Automotive Collision Repair*

7200 7:00-11:05am MTWTh XLAB.....P. Fairchild ..... CAT 150  
11:15-12:40pm MW 111 .....P. Fairchild ..... CAT 104

Labs of Section 7200 and 7202 are combined.

#### Automotive Collision Repair/Painting 1B - 8 Units

##### *Collision Repair Equipment and Welding Techniques*

Prerequisite: Automotive Collision Repair/Painting 1A with a minimum grade of C

7202 7:00-11:05am MTWTh XLAB.....P. Fairchild ..... CAT 150  
11:15-12:40pm TTh 111 .....P. Fairchild ..... CAT 104

Labs of Section 7202 and 7200 are combined.

#### Automotive Collision Repair/Painting 3A - 1 Unit

##### *Introduction to Automotive Collision Estimating*

Evening Hours

7214 6:00-9:10pm TTh LEC .....R. Paguyo ..... ITEC 206

Section 7214 meets during the first 8 weeks of the semester starting August 29, 2023.

#### Automotive Collision Repair/Painting 3B - 3 Units

##### *Computerized Collision Damage Estimating*

Prerequisite: Automotive Collision Repair/Painting 3A with a minimum grade of C or equivalent

Evening Hours

7216 6:00-9:10pm TTh LEC .....R. Paguyo ..... ITEC 206

Section 7216 meets during the second 8 weeks of the semester starting on October 24, 2023.

#### Automotive Collision Repair/Painting 4D - 4 Units

##### *Intermediate Automotive Collision Repair II*

Evening Hours

7224 5:30-6:20pm T LEC .....G. Magana ..... CAT 150  
6:45-10:35pm TTh XLAB .....G. Magana ..... CAT 150  
5:30-6:35pm Th LEC .....G. Magana ..... CAT 150

#### Automotive Collision Repair/Painting 5B - 4 Units

##### *Beginning Automotive Painting II*

7228 6:00-9:35pm F XLAB .....S. Alcaraz Munoz ..... CAT 150  
9:00-11:05am S LEC .....S. Alcaraz Munoz ..... CAT 102  
11:30-3:20pm S XLAB.....S. Alcaraz Munoz ..... CAT 150

#### Automotive Collision Repair/Painting 5C - 4 Units

##### *Intermediate Automotive Refinishing I*

7230 2:00-5:50pm MW XLAB .....B. Kooiman ..... CAT 150  
6:00-6:50pm M LEC .....B. Kooiman ..... CAT 150  
6:00-7:05pm W LEC .....B. Kooiman ..... CAT 150

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### AUTOMOTIVE COLLISION REPAIR / PAINTING (ACRP)

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#### Automotive Collision Repair/Painting 95 - 2-4 Units

##### *Cooperative Work Experience Education*

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major.

Note: formerly Automotive Collision Repair/Painting 95abcd To register, students must fill out a CWEE application and contact the CWEE instructor by the second week of the semester. Applications/Instructors are available in the Industry and Technology Division Office. The following scale reflects the equivalent units for hours worked:

2 Units = 10 hours worked per week

3 Units = 15 hours worked per week

4 Units = 20 hours worked per week

Students must be enrolled in a minimum of 7 units (including CWEE); contact the Industry and Technology Division Office at (310) 660-3600 for more information.

**7240 3.00 Hours to be arranged.....P. Fairchild .....TBA**



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### AUTOMOTIVE TECHNOLOGY (ATEC)

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#### Automotive Technology 1 - 2.5 Units

##### *Introduction to Automotive Service*

**7258 8:00-10:05am S LEC .....J. Duque ..... CAT 135**  
**10:15-12:20pm S XLAB.....J. Duque ..... CAT 130**

Section 7258 meets on Saturdays starting on August 26, 2023. Class will not meet on November 25, 2023.

**7291 4:00-6:50pm T LEC .....J. Duque ..... CAT 135**  
**4:00-7:05pm Th XLAB.....J. Duque ..... CAT 130**

Section 7291 is a 12-week Dual Enrollment class offered to high school students that **starts on September 26, 2023**. It is open to a few ECC students. Class will not meet on November 23, 2023.

##### Evening Hours

**7256 6:00-8:05pm W LEC .....D. Wong ..... CAT 135**  
**8:15-10:20pm W XLAB.....D. Wong ..... CAT 130**

#### Automotive Technology 14 - 4 Units

##### *Brakes*

Recommended Preparation: Automotive Technology 1 and Automotive Technology 22A or Automotive Technology 23 and Automotive Technology 24 and Automotive Technology 22B or Automotive Technology 25 and Automotive Technology 26 and eligibility for English 1A

**7263 9:00-11:50am MW LEC .....J. Duque ..... CAT 135**  
**12:20-5:30pm MW XLAB.....J. Duque ..... CAT 130**

Section 7263 meets during the 1st 8 weeks of the semester starting August 28, 2023. Class will not meet on September 4, 2023.

#### Automotive Technology 16 - 4 Units

##### *Suspension and Four Wheel Alignment*

Recommended Preparation: Automotive Technology 1 and Automotive Technology 22A or Automotive Technology 23 and Automotive Technology 24 and Automotive Technology 22B or Automotive Technology 25 and Automotive Technology 26 and eligibility for English 1A

**7252 9:00-11:35am MW 111 .....J. Duque ..... CAT 136**  
**12:20-5:10pm MW 222 .....J. Duque ..... CAT 130**

Section 7252 meets during the 2nd 8 weeks of the semester starting on October 23, 2023.

#### Automotive Technology 21 - 2.5 Units

##### *Introduction to Engine Performance*

Recommended Preparation: Automotive Technology 1 or equivalent

##### Evening Hours

**7262 6:00-8:05pm T LEC .....D. Wong ..... CAT 132**  
**8:15-10:20pm T LAB.....D. Wong ..... CAT 130**

#### Automotive Technology 22A - 8 Units

##### *Introduction to Tune-Up, Electrical and Fuel Systems*

Recommended Preparation: Automotive Technology 1 or equivalent

**7264 7:30-8:40am MTWTh LEC.....M. Anderson ..... CAT 132**  
**8:50-11:25am MTWTh XLAB.....M. Anderson ..... CAT 130**

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### AUTOMOTIVE TECHNOLOGY (ATEC)

#### Automotive Technology 22B - 8 Units

*Electrical, Electronics and Computer Controlled Systems*

Prerequisite: Automotive Technology 22A with a minimum grade of C or equivalent

7266 8:50-11:25am MTWTh XLAB.....M. Anderson ..... CAT 130

11:35-12:50pm MTWTh 111.....M. Anderson ..... CAT 132

Labs of Sections 7266 and 7264 are combined.

#### ~~Automotive Technology 24 - 4 Units~~

~~*-Computer Controlled Engine Managemen, Fuel Systems and Emissions*~~

**CANCELLED**

~~Recommended Preparation: Automotive Technology 21 or 23 or equivalent~~

~~Evening Hours~~

~~7267 7:00-8:25pm MW LEC.....Staff\_ITEC..... CAT 132~~

~~8:35-10:00pm MW XLAB.....Staff\_ITEC..... CAT 130~~

#### Automotive Technology 27 - 4 Units

*BAR Level I Smog Check Inspector Training*

Recommended Preparation: 8 units from the following courses: Automotive Technology 21, Automotive Technology 22A, Automotive Technology 22B, Automotive Technology 23, Automotive Technology 24, Automotive Technology 25 or equivalent trade experience

Note: formerly Automotive Technology 80

7280 1:30-3:20pm MW 111 .....M. Anderson ..... CAT 132

3:30-4:55pm M 222 .....M. Anderson ..... CAT 130

#### Automotive Technology 34 - 4 Units

*Automatic Transmissions*

Recommended Preparation: Automotive Technology 1 and Automotive Technology 22A or Automotive Technology 23 and 24; Automotive Technology 22B or Automotive Technology 25 and Automotive Technology 26 and eligibility for English 1A

7269 9:00-11:30am TTh LEC .....E. Matykiewicz ..... CAT 136

11:45-1:10pm TTh XLAB .....E. Matykiewicz ..... CAT 130

2:20-5:25pm TTh XLAB .....E. Matykiewicz ..... CAT 130

Section 7269 meets during the first 8 weeks of the semester starting August 29, 2023.

#### Automotive Technology 35 - 4 Units

*Manual Transmission, Drive Train and Drive Axles*

Recommended Preparation: Automotive Technology 1 and Automotive Technology 22A or Automotive Technology 23 and Automotive Technology 24 and Automotive Technology 22B or Automotive Technology 25 and Automotive Technology 26 and eligibility for English 1A

7271 9:00-11:50am TTh 111.....E. Matykiewicz ..... CAT 136

12:00-1:10pm TTh XLAB .....E. Matykiewicz ..... CAT 130

2:20-6:10pm TTh XLAB .....E. Matykiewicz ..... CAT 130

Section 7271 meets during the second 8 weeks of the semester starting October 24, 2023.

#### Automotive Technology 43 - 4 Units

*Introduction to Engine Repair*

Recommended Preparation: Automotive Technology 1 and Automotive Technology 22A or Automotive Technology 23 and Automotive Technology 24 and Automotive Technology 22B or Automotive Technology 25 and Automotive Technology 26 and eligibility for English 1A

Evening Hours

7273 7:00-8:10pm TTh LEC .....R. Jackson..... CAT 136

8:20-10:35pm TTh XLAB .....R. Jackson..... CAT 130

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### AUTOMOTIVE TECHNOLOGY (ATEC)

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#### **Automotive Technology 52 - 3 Units**

##### *Introduction to Hybrid, Electric and Fuel Cell Vehicle Technology*

Prerequisite: Automotive Technology 1 with a minimum grade of C or concurrent enrollment RP Eligibility for English 1A and Automotive Technology 51

**7295 11:40-1:45pm W LEC.....E. Matykiewicz ..... CAT 136**  
**1:55-5:05pm W LAB .....E. Matykiewicz ..... CAT 130**

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### COMPUTER AIDED DESIGN / DRAFTING (CADD)

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#### Computer Aided Design/Drafting 5 - 3 Units

##### *Introduction to Mechanical Drafting*

###### Evening Hours

<b>7308</b>	<b>6:00-6:50pm M LEC</b> .....	<b>D. Phamdo</b> .....	<b>ITEC 31</b>
	<b>7:15-9:20pm MW LAB</b> .....	<b>D. Phamdo</b> .....	<b>ITEC 31</b>
	<b>6:00-7:05pm W LEC</b> .....	<b>D. Phamdo</b> .....	<b>ITEC 31</b>

Section 7308 will use AutoCAD software.

#### Computer Aided Design/Drafting 7 - 3 Units

##### *Solid Modeling, Assemblies and Two Dimensional (2D) Drawings*

Recommended Preparation: Computer Aided Design/Drafting 5 with a minimum grade of C or one year of high school drafting or industry experience

Note: formerly Computer Aided Design/Drafting 10abcd

###### Evening Hours

<b>7310</b>	<b>6:00-6:50pm T LEC</b> .....	<b>D. Phamdo</b> .....	<b>ITEC 31</b>
	<b>7:15-9:20pm TTh LAB</b> .....	<b>D. Phamdo</b> .....	<b>ITEC 31</b>
	<b>6:00-7:05pm Th LEC</b> .....	<b>D. Phamdo</b> .....	<b>ITEC 31</b>

Section 7310 will use INVENTOR PRO software.

**4790 See Distance Education Website.....A. Bakalyar..... Online**

Section 4790 is a fully online class. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. Section 4790 will use INVENTOR PRO software.

#### Computer Aided Design/Drafting 28 - 2 Units

##### *Parametric Three Dimensional (3D) Modeling and Assemblies*

Note: formerly Computer Aided Design/Drafting 28abcd

<b>7324</b>	<b>9:30-10:35am W LEC</b> .....	<b>D. Phamdo</b> .....	<b>ITEC 32</b>
	<b>10:45-1:55pm W LAB</b> .....	<b>D. Phamdo</b> .....	<b>ITEC 32</b>

Section 7324 will use SOLIDWORKS software.

###### Evening Hours

<b>7326</b>	<b>6:00-7:05pm Th LEC</b> .....	<b>D. Valladares</b> .....	<b>ITEC 32</b>
	<b>7:15-10:25pm Th LAB</b> .....	<b>D. Valladares</b> .....	<b>ITEC 32</b>

Section 7326 will use SOLIDWORKS software.

#### Computer Aided Design/Drafting 31 - 2 Units

##### *Orientation to CATIA*

Recommended Preparation: Computer Aided Design/Drafting 5 or equivalent; eligibility for English 84

Note: formerly Computer Aided Design/Drafting 31abcd

###### Evening Hours

<b>7330</b>	<b>6:00-7:05pm M LEC</b> .....	<b>E. Porto</b> .....	<b>ITEC 33</b>
	<b>7:15-10:35pm M LAB</b> .....	<b>E. Porto</b> .....	<b>ITEC 33</b>

Class will not meet on September 4, 2023. This class will use CATIA software.

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### COMPUTER AIDED DESIGN / DRAFTING (CADD)

#### **Computer Aided Design/Drafting 32 – 2 Units** *-Product Modeling with CATIA*

**CANCELLED**

Recommended Preparation: Computer Aided Design/Drafting 31  
Note: formerly Computer Aided Design/Drafting 32abcd

**Evening Hours**

~~7333 6:00-7:05pm MW LEC.....D. Anttila..... ITEC 34~~  
~~7:15-10:35pm MW LAB.....D. Anttila..... ITEC 34~~

~~Section 7333 meets during the first 8 weeks of the semester starting August 28, 2023. Class will not meet on September 4, 2023.  
Section 7333 will use CATIA software.~~

#### **Computer Aided Design/Drafting 33 - 2 Units** *Analyses and Simulations with CATIA*

Recommended Preparation: Computer Aided Design/Drafting 31  
Note: formerly Computer Aided Design/Drafting 33abcd

**Evening Hours**

7336 6:00-7:05pm MW LEC.....D. Anttila..... ITEC 34  
7:15-10:25pm MW LAB.....D. Anttila..... ITEC 34

Section 7336 meets during the second 8 weeks of the semester starting October 23, 2023. Section 7336 will use CATIA software.

#### **Computer Aided Design/Drafting 37 - 2 Units** *Advanced CATIA Functions*

**CANCELLED**

Recommended Preparation: Computer Aided Design/Drafting 31  
Note: formerly Computer Aided Design/Drafting 37abcd

7338 12:00-1:05pm Th LEC.....D. Phamdo ..... ITEC 31  
1:15-4:35pm Th LAB.....D. Phamdo ..... ITEC 31

Class will not meet on November 23, 2023. Section 7338 will use CATIA software.

#### **Computer Aided Design/Drafting 45 - 3 Units** *Geometrical Dimensioning and Tolerancing*

**Evening Hours**

7341 6:00-9:10pm Th LEC.....A. Bakalyar..... ITEC 115

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### CONSTRUCTION TECHNOLOGY (CTEC)

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#### Construction Technology 100 - 4 Units

##### *Building Fundamentals*

**7348 1:00-2:15pm MTWTh LEC .....R. Durand ..... CNST 502**  
**2:30-5:05pm MTWTh XLAB .....R. Durand ..... YARD**

Section 7348 meets during the first 8 weeks of the semester starting on August 28, 2023. Class will not meet on September 4, 2023.

**7396 3:30-5:00pm M LEC .....D. Galt .....HAHS**  
**3:30-4:20pm T LEC .....D. Galt .....HAHS**  
**4:30-5:20pm T XLAB .....D. Galt .....HAHS**  
**3:30-5:35pm WTh XLAB.....D. Galt .....HAHS**

Section 7396 is a Dual Enrollment class taught at Hawthorne High School, 4859 El Segundo Blvd., Hawthorne, CA 90250.

#### Construction Technology 131 - 4 Units

##### *Roof Framing*

Prerequisite: Construction Technology 100 or 110 with a minimum grade of C in prerequisite or equivalent

**7370 8:00-1:20pm S XLAB .....M. Pena ..... YARD**  
**1:30-4:00pm S LEC .....M. Pena ..... CNST 502**

#### Construction Technology 142 - 4 Units

##### *Exterior Trades*

**7360 8:00-9:10am TTh LEC .....O. Ortiz ..... CNST 502**  
**9:25-11:55am TTh XLAB .....O. Ortiz ..... YARD**

Section 7360 will not meet on November 23, 2023.

#### Construction Technology 172 - 4 Units

##### *Residential Electrical Wiring*

###### Evening Hours

**7388 5:30-8:05pm MTWTh XLAB .....R. Durand ..... YARD**  
**8:15-9:30pm MTWTh LEC .....R. Durand ..... CNST 502**

Section 7388 meets during the first 8 weeks of the semester starting on August 28, 2023. Class will not meet on September 4, 2023.

#### Construction Technology 200 - 2 Units

##### *General Cabinet Making*

**7351 1:00-2:05pm S 111 .....J. Selph ..... CNST 502**  
**2:15-5:25pm S 222 .....J. Selph ..... CNST 500**  
**.....R. Durand .....**

NOTE: Construction Technology 200, 201, 202, and 203 DO NOT have to be taken in order. Section 7351 meets on Saturdays starting on August 26, 2023. Note: Class expense will be determined by each student's personal project.

#### Construction Technology 201 - 2 Units

##### *Upper Residential Cabinets*

**7353 8:00-9:05am S LEC .....J. Selph ..... CNST 502**  
**9:15-12:25pm S XLAB.....J. Selph ..... CNST 500**

NOTE: Construction Technology 200, 201, 202, and 203 DO NOT have to be taken in order. Section 7353 meets on Saturdays starting August 26, 2023. Note: Class expense will be determined by each student's personal project.

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### CONSTRUCTION TECHNOLOGY (CTEC)

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#### Construction Technology 202 - 2 Units

##### *Base Residential Cabinets*

###### Evening Hours

7354 6:00-7:05pm M LEC .....J. Selph..... CNST 502  
7:15-10:25pm M XLAB.....J. Selph..... CNST 500

NOTE: Construction Technology 200, 201, 202, and 203 DO NOT have to be taken in order. Section 7354 meets on Mondays starting on August 28, 2023. Class will not meet on September 4, 2023. Note: Class expense will be determined by each student's personal project.

#### Construction Technology 203 - 2 Units

##### *Dedicated Use Cabinets*

###### Evening Hours

7356 6:00-7:05pm T LEC .....J. Selph..... CNST 502  
7:15-10:25pm T XLAB.....J. Selph..... CNST 500

NOTE: Construction Technology 200, 201, 202, and 203 DO NOT have to be taken in order. Section 7356 meets on Tuesdays starting August 29, 2023. Note: Class expense will be determined by each student's personal project.

#### Construction Technology 212 - 1.5 Units

##### *Furniture Making Laboratory - Developing Original Plans*

Prerequisite: Construction Technology 200 or 201 or 202 or 203 with a minimum grade of C or concurrent enrollment

###### Evening Hours

7383 5:30-10:20pm W XLAB.....J. Selph..... CNST 500

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### COSMETOLOGY (COSM)

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#### Cosmetology 1 - 13 Units

##### *Introduction to Cosmetology Procedures*

<b>7400</b>	<b>8:00-9:10am</b>	<b>MTWThF</b>	<b>LEC</b>	.....	<b>L. Nishihira</b>	.....	<b>Online</b>
					.....	<b>C. Gonzalez-Valdovinos</b>	.....
					.....	<b>Staff ITEC</b>	.....
	<b>9:25-12:55pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>L. Nishihira</b>	.....	<b>ITEC 148</b>
					.....	<b>C. Gonzalez-Valdovinos</b>	.....
					.....	<b>Staff ITEC</b>	.....
	<b>1:25-4:15pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>L. Nishihira</b>	.....	<b>ITEC 148</b>
					.....	<b>C. Gonzalez-Valdovinos</b>	.....
					.....	<b>Staff ITEC</b>	.....

Section 7400 is an online hybrid class that includes a combination of on-campus and online Zoom meetings for Lecture and Lab. You must attend the first Lecture class meeting on February 13, 2023 from 8:00 a.m. to 9:10 a.m. or you may be dropped from the class. Online/in-person Lecture and Lab meeting days and times are listed in the schedule. Your instructor will advise you which days will be online and which days will be on campus. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. Section 7400 is for students attending Cosmetology for the first time. Students must attend all class sessions, Monday through Friday from 8:00 a.m. to approximately 4:30 p.m. Student cost for textbooks, cosmetology kit, facial kit and nail kit is approximately \$1,600 and materials must be purchased at the El Camino Bookstore by the first week of class, NO EXCEPTIONS. Additional materials will be required. This is not a registration fee and is not paid at registration.

#### Cosmetology 2A - 8 Units

##### *Intermediate Cosmetology*

Prerequisite: Cosmetology 1 or Cosmetology 10 and Cosmetology 11 with a minimum grade of C or equivalent

<b>7401</b>	<b>8:00-9:10am</b>	<b>MTWThF</b>	<b>LEC</b>	.....	<b>C. Brewer Smith</b>	.....	<b>Online</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>9:25-12:00pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>12:30-4:20pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....

Section 7401 is an online hybrid class during the first 8 weeks of the semester that includes a combination of on-campus and online Zoom meetings for Lecture and Lab. You must attend the first Lecture class meeting on February 13, 2023 from 8:00 a.m. to 9:10 a.m. or you may be dropped from the class. Online/in-person Lecture and Lab meeting days and times are listed in the schedule. Your instructor will advise you which days will be online and which days will be on campus. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. First-time El Camino College Students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. **Section 7401 is combined with Sections 7403, 7407 and 7417.**



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### COSMETOLOGY (COSM)

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#### Cosmetology 2B - 8 Units

##### *Advanced Cosmetology*

Prerequisite: Cosmetology 2A or Cosmetology 11 with a minimum grade of C in prerequisite or equivalent

<b>7403</b>	<b>8:00-9:10am</b>	<b>MTWThF</b>	<b>LEC</b>	.....	<b>C. Brewer Smith</b>	.....	<b>Online</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>9:25-12:00pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>12:30-4:20pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....

Section 7403 is an online hybrid class during the **first 8 weeks** of the semester that includes a combination of on-campus and online Zoom meetings for Lecture and Lab. You must attend the first Lecture class meeting on February 13, 2023 from 8:00 a.m. to 9:10 a.m. or you may be dropped from the class. Online/in-person Lecture and Lab meeting days and times are listed in the schedule. Your instructor will advise you which days will be online and which days will be on campus. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. First-time El Camino College Students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. **Section 7403 is combined with Sections 7401, 7407 and 7417.**

#### Cosmetology 2C - 8 Units

##### *Advanced Cosmetology and State Board Review*

Prerequisite: Cosmetology 2B or Cosmetology 11 with a minimum grade of C in prerequisite or equivalent

<b>7407</b>	<b>8:00-9:10am</b>	<b>MTWThF</b>	<b>LEC</b>	.....	<b>C. Brewer Smith</b>	.....	<b>Online</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>9:25-12:00pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>12:30-4:20pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....

Section 7401 is an online hybrid class during the **first 8 weeks** of the semester that includes a combination of on-campus and online Zoom meetings for Lecture and Lab. You must attend the first Lecture class meeting on February 13, 2023 from 8:00 a.m. to 9:10 a.m. or you may be dropped from the class. Online/in-person Lecture and Lab meeting days and times are listed in the schedule. Your instructor will advise you which days will be online and which days will be on campus. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. First-time El Camino College Students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. **Section 7407 is combined with Sections 7401, 7403 and 7417.**

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### COSMETOLOGY (COSM)

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#### Cosmetology 2D - 8 Units

##### *Advanced Preparation for State Board Review*

Prerequisite: Cosmetology 2C with a minimum grade of C

<b>7417</b>	<b>8:00-9:10am</b>	<b>MTWThF</b>	<b>LEC</b>	.....	<b>C. Brewer Smith</b>	.....	<b>Online</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>9:25-12:00pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>12:30-4:20pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....

Section 7417 is an online hybrid class during the **first 8 weeks** of the semester that includes a combination of on-campus and online Zoom meetings for Lecture and Lab. You must attend the first Lecture class meeting on February 13, 2023 from 8:00 a.m. to 9:10 a.m. or you may be dropped from the class. Online/in-person Lecture and Lab meeting days and times are listed in the schedule. Your instructor will advise you which days will be online and which days will be on campus. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. First-time El Camino College Students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. **Section 7417 is combined with Sections 7401, 7403 and 7407.**

#### Cosmetology 2A - 8 Units

##### *Intermediate Cosmetology*

Prerequisite: Cosmetology 1 or Cosmetology 10 and Cosmetology 11 with a minimum grade of C or equivalent

<b>7402</b>	<b>8:00-9:15am</b>	<b>MTWThF</b>	<b>LEC</b>	.....	<b>C. Brewer Smith</b>	.....	<b>Online</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>9:25-12:00pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>12:30-4:40pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....

Section 7402 is an online hybrid class during the **second 8 weeks** of the semester that includes a combination of on-campus and online Zoom meetings for Lecture and Lab. You must attend the first Lecture class meeting on April 17, 2023 from 8:00 a.m. to 9:10 a.m. or you may be dropped from the class. Online/in-person Lecture and Lab meeting days and times are listed in the schedule. Your instructor will advise you which days will be online and which days will be on campus. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. First-time El Camino College Students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. **Section 7402 is combined with Sections 7405, 7409 and 7418.**

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### COSMETOLOGY (COSM)

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#### Cosmetology 2B - 8 Units

##### *Advanced Cosmetology*

Prerequisite: Cosmetology 2A or Cosmetology 11 with a minimum grade of C in prerequisite or equivalent

<b>7405</b>	<b>8:00-9:15am</b>	<b>MTWThF</b>	<b>LEC</b>	.....	<b>C. Brewer Smith</b>	.....	<b>Online</b>
					<b>L. Finn Valentine</b>	.....	
					<b>M. Cooper</b>	.....	
					<b>J. Lucero</b>	.....	
	<b>9:25-12:00pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					<b>L. Finn Valentine</b>	.....	
					<b>M. Cooper</b>	.....	
					<b>J. Lucero</b>	.....	
	<b>12:30-4:40pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					<b>L. Finn Valentine</b>	.....	
					<b>M. Cooper</b>	.....	
					<b>J. Lucero</b>	.....	

Section 7405 is an online hybrid class during the **second 8 weeks** of the semester that includes a combination of on-campus and online Zoom meetings for Lecture and Lab. You must attend the first Lecture class meeting on April 17, 2023 from 8:00 a.m. to 9:10 a.m. or you may be dropped from the class. Online/in-person Lecture and Lab meeting days and times are listed in the schedule. Your instructor will advise you which days will be online and which days will be on campus. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. First-time El Camino College Students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. **Section 7405 is combined with Sections 7402, 7409 and 7418.**

#### Cosmetology 2C - 8 Units

##### *Advanced Cosmetology and State Board Review*

Prerequisite: Cosmetology 2B or Cosmetology 11 with a minimum grade of C in prerequisite or equivalent

<b>7409</b>	<b>8:00-9:15am</b>	<b>MTWThF</b>	<b>LEC</b>	.....	<b>C. Brewer Smith</b>	.....	<b>Online</b>
					<b>L. Finn Valentine</b>	.....	
					<b>M. Cooper</b>	.....	
					<b>J. Lucero</b>	.....	
	<b>9:25-12:00pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					<b>L. Finn Valentine</b>	.....	
					<b>M. Cooper</b>	.....	
					<b>J. Lucero</b>	.....	
	<b>12:30-4:40pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					<b>L. Finn Valentine</b>	.....	
					<b>M. Cooper</b>	.....	
					<b>J. Lucero</b>	.....	

Section 7409 is an online hybrid class during the **second 8 weeks** of the semester that includes a combination of on-campus and online Zoom meetings for Lecture and Lab. You must attend the first Lecture class meeting on April 17, 2023 from 8:00 a.m. to 9:10 a.m. or you may be dropped from the class. Online/in-person Lecture and Lab meeting days and times are listed in the schedule. Your instructor will advise you which days will be online and which days will be on campus. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. First-time El Camino College Students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. **Section 7409 is combined with Sections 7402, 7405 and 7418.**

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### COSMETOLOGY (COSM)

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#### Cosmetology 2D - 8 Units

##### *Advanced Preparation for State Board Review*

Prerequisite: Cosmetology 2C with a minimum grade of C

<b>7418</b>	<b>8:00-9:15am</b>	<b>MTWThF</b>	<b>LEC</b>	.....	<b>C. Brewer Smith</b>	.....	<b>Online</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>9:25-12:00pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....
	<b>12:30-4:40pm</b>	<b>MTWThF</b>	<b>XLAB</b>	.....	<b>C. Brewer Smith</b>	.....	<b>ITEC 143</b>
					.....	<b>L. Finn Valentine</b>	.....
					.....	<b>M. Cooper</b>	.....
					.....	<b>J. Lucero</b>	.....

Section 7418 is an online hybrid class during the **second 8 weeks** of the semester that includes a combination of on-campus and online Zoom meetings for Lecture and Lab. You must attend the first Lecture class meeting on April 17, 2023 from 8:00 a.m. to 9:10 a.m. or you may be dropped from the class. Online/in-person Lecture and Lab meeting days and times are listed in the schedule. Your instructor will advise you which days will be online and which days will be on campus. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. First-time El Camino College Students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. **Section 7418 is combined with Sections 7402, 7405 and 7409.**

#### Cosmetology 2A - 8 Units

##### *Intermediate Cosmetology*

Prerequisite: Cosmetology 1 or Cosmetology 10 and Cosmetology 11 with a minimum grade of C or equivalent

	<b>Evening Hours</b>						
<b>7408</b>	<b>5:00-5:50pm</b>	<b>MTWTh</b>	<b>LEC</b>	.....	<b>T. Gonzalez</b>	.....	<b>Online</b>
					.....	<b>Y. Youn</b>	.....
	<b>6:10-10:15pm</b>	<b>MTWTh</b>	<b>XLAB</b>	.....	<b>T. Gonzalez</b>	.....	<b>ITEC 143</b>
					.....	<b>Y. Youn</b>	.....

Section 7408 is a Distance Education hybrid course that includes both online instruction and weekly on-campus class meetings. You must attend the first class meeting on August 28, 2023 from 5:00 p.m. to 10:15 p.m. in Room ITEC-143 or you may be dropped from the course. Your instructor will advise you which days will be online and which days will be on campus. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>. First-time El Camino College students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. Section 7408 is combined with Sections 7410, 7412 and 7419.

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### COSMETOLOGY (COSM)

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#### Cosmetology 2B - 8 Units

##### *Advanced Cosmetology*

Prerequisite: Cosmetology 2A or Cosmetology 11 with a minimum grade of C in prerequisite or equivalent

##### Evening Hours

**7410 5:00-5:50pm MTWTh LEC ..... T. Gonzalez ..... Online**  
..... Y. Youn .....  
**6:10-10:15pm MTWTh XLAB ..... T. Gonzalez ..... ITEC 143**  
..... Y. Youn .....

Section 7410 is a Distance Education hybrid course that includes both online instruction and weekly on-campus class meetings. You must attend the first class meeting on August 28, 2023 from 5:00 p.m. to 10:15 p.m. in Room ITEC-143 or you may be dropped from the course. Your instructor will advise you which days will be online and which days will be on campus. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>. First-time El Camino College students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. Section 7410 is combined with Sections 7408, 7412 and 7419.

#### Cosmetology 2C - 8 Units

##### *Advanced Cosmetology and State Board Review*

Prerequisite: Cosmetology 2B or Cosmetology 11 with a minimum grade of C in prerequisite or equivalent

##### Evening Hours

**7412 5:00-5:50pm MTWTh LEC ..... T. Gonzalez ..... Online**  
..... Y. Youn .....  
**6:10-10:15pm MTWTh XLAB ..... T. Gonzalez ..... ITEC 143**  
..... Y. Youn .....

Section 7412 is a Distance Education hybrid course that includes both online instruction and weekly on-campus class meetings. You must attend the first class meeting on August 28, 2023 from 5:00 p.m. to 10:15 p.m. in Room ITEC-143 or you may be dropped from the course. Your instructor will advise you which days will be online and which days will be on campus. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>. First-time El Camino College students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. Section 7412 is combined with Sections 7408, 7410 and 7419.

#### Cosmetology 2D - 8 Units

##### *Advanced Preparation for State Board Review*

Prerequisite: Cosmetology 2C with a minimum grade of C

##### Evening Hours

**7419 5:00-5:50pm MTWTh LEC ..... T. Gonzalez ..... Online**  
..... Y. Youn .....  
**6:10-10:15pm MTWTh XLAB ..... T. Gonzalez ..... ITEC 143**  
..... Y. Youn .....

Section 7419 is a Distance Education hybrid course that includes both online instruction and weekly on-campus class meetings. You must attend the first class meeting on August 28, 2023 from 5:00 p.m. to 10:15 p.m. in Room ITEC-143 or you may be dropped from the course. Your instructor will advise you which days will be online and which days will be on campus. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>. First-time El Camino College students must purchase their material kit from the El Camino College Bookstore by the first week of class. Student cost for textbooks and equipment is approximately \$1,600. Additional materials at an estimated cost of \$100 may be required. Section 7419 is combined with Sections 7408, 7410 and 7412.

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### COSMETOLOGY (COSM)

#### Cosmetology 10 - 6.5 Units

##### *Introduction to Cosmetology I*

###### Evening Hours

**7404 5:00-6:05pm MTWTh LEC .....B. Tran ..... Online**  
**6:15-10:05pm MTWTh XLAB .....B. Tran ..... ITEC 148**

Section 7404 is a Distance Education hybrid course that includes both online instruction and weekly on-campus class meetings. You must attend the first class meeting on August 28, 2023 from 5:00 p.m. to 10:05 p.m. in Room ITEC-148 or you may be dropped from the course. Your instructor will advise you which days will be online and which days will be on campus. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>. Section 7404 is for students attending Cosmetology for the first time. Students must attend all class sessions, Monday through Thursday from 5:00 p.m. to approximately 10:00 p.m. Student cost for textbooks, cosmetology kit, facial kit and nail kit is approximately \$1,600 and materials must be purchased at the El Camino Bookstore by the first week of class, NO EXCEPTIONS. Additional materials will be required. This is not a registration fee and is not paid at registration. Section 7404 is combined with Section 7406.

#### Cosmetology 11 - 6.5 Units

##### *Introduction to Cosmetology II*

Prerequisite: Cosmetology 10 with a minimum grade of C or equivalent

###### Evening Hours

**7406 5:00-6:05pm MTWTh LEC .....B. Tran ..... Online**  
**6:15-10:05pm MTWTh XLAB .....B. Tran ..... ITEC 148**

Section 7406 is a Distance Education hybrid course that includes both online instruction and weekly on-campus class meetings. You must attend the first class meeting on August 28, 2023 from 5:00 p.m. to 10:05 p.m. in Room ITEC-148 or you may be dropped from the course. Your instructor will advise you which days will be online and which days will be on campus. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>. Section 7406 is for students attending Cosmetology for the first time. Students must attend all class sessions, Monday through Thursday from 5:00 p.m. to approximately 10:00 p.m. Student cost for textbooks, cosmetology kit, facial kit and nail kit is approximately \$1,600 and materials must be purchased at the El Camino Bookstore by the first week of class, NO EXCEPTIONS. Additional materials will be required. This is not a registration fee and is not paid at registration. Section 7406 is combined with Section 7404.

#### Cosmetology 20 - 10 Units

##### *Introduction to Esthetician*

**7415 8:00-10:30am MW LEC .....J. Wyatt..... ITEC 143**  
.....M. Diaz.....  
**10:40-12:10pm MW LAB.....J. Wyatt..... ITEC 143**  
.....M. Diaz.....  
**1:00-2:10pm MW LAB.....J. Wyatt..... ITEC 143**  
.....M. Diaz.....  
**8:00-11:50am TTh LAB .....J. Wyatt..... ITEC 143**  
.....M. Diaz.....  
**1:00-2:05pm TTh LAB .....J. Wyatt..... ITEC 143**  
.....M. Diaz.....

Section 7415 is for students attending an Esthetician program for the first time. Students must attend all class sessions, Monday through Thursday from 8:00 a.m. to approximately 2:10 p.m. Student cost for textbooks, esthetician kit, make-up kit, and facial kit is approximately \$1,650, and materials must be purchased at the El Camino Bookstore by the first week of class, NO EXCEPTIONS. Additional materials will be required. This is not a registration fee and is not paid at registration.

###### Evening Hours

**7413 5:00-6:10pm MTWTh LEC .....L. Baskin-Cornelius ..... ITEC 143**  
**6:20-10:30pm MTWTh LAB .....L. Baskin-Cornelius ..... ITEC 143**

Section 7413 is for students attending an Esthetician program for the first time. Students must attend all class sessions, Monday through Thursday from 8:00 a.m. to approximately 2:10 p.m. Student cost for textbooks, esthetician kit, make-up kit, and facial kit is approximately \$1,650, and materials must be purchased at the El Camino Bookstore by the first week of class, NO EXCEPTIONS. Additional materials will be required. This is not a registration fee and is not paid at registration.

# FALL 2023 SCHEDULE

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### ELECTRONICS & COMPUTER HARDWARE TECHNOLOGY (ECHT)

#### Electronics and Computer Hardware Technology 11 - 3 Units

##### *Introduction to Electronics*

7451 9:30-10:20am T LEC .....A. Runas..... ITEC 208  
10:45-12:50pm TTh LAB .....A. Runas..... ITEC 208  
9:30-10:35am Th LEC .....A. Runas..... ITEC 208

##### Evening Hours

7456 5:30-6:20pm T LEC S. Bhargave....ITEC 209  
6:45-8:50pm TTh XLAB .....S. Bhargave..... ITEC 209  
5:30-6:35pm Th LEC.....S. Bhargave..... ITEC 209

#### Electronics and Computer Hardware Technology 22 - 3 Units

##### *Basic Electronic Fabrication*

##### Evening Hours

7464 6:00-6:50pm M LEC .....A. Runas..... ITEC 208  
7:15-9:20pm MW LAB.....A. Runas..... ITEC 208  
6:00-7:05pm W LEC .....A. Runas..... ITEC 208

This course involves the student in the practical aspects of electronic fabrication from proposal preparation to printed circuit board assembly and test. It is highly recommended that students in this course have prior experience and/or knowledge in basic electricity and electronics to include electronic schematics, parts lists, soldering techniques, and basic electronic parts identification.

#### Electronics and Computer Hardware Technology 110 - 3 Units

##### *Introduction to Direct and Alternating Current Circuits*

Prerequisite: Electronics and Computer Hardware Technology 11 with a minimum grade of C

7468 9:30-10:20am M 111 .....A. Runas..... ITEC 208  
10:45-12:50pm MW LAB.....A. Runas..... ITEC 208  
9:30-10:35am W 111 .....A. Runas..... ITEC 208

#### Electronics and Computer Hardware Technology 120 - 3 Units

##### *Semiconductor Circuits I*

Recommended Preparation: Electronics and Computer Hardware Technology 11 or equivalent

7470 9:30-10:20am M LEC .....S. Bhargave..... ITEC 209  
10:45-12:50pm MW LAB.....S. Bhargave..... ITEC 209  
9:30-10:35am W LEC .....S. Bhargave..... ITEC 209

#### Electronics and Computer Hardware Technology 130 - 3 Units

##### *Digital Systems and Computer Logic I*

Recommended Preparation: Electronics and Computer Hardware Technology 11

7480 9:30-10:20am T LEC .....S. Bhargave..... ITEC 209  
10:45-12:50pm TTh LAB .....S. Bhargave..... ITEC 209  
9:30-10:35am Th LEC .....S. Bhargave..... ITEC 209

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### **ELECTRONICS & COMPUTER HARDWARE TECHNOLOGY (ECHT)**

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#### **Electronics and Computer Hardware Technology 140 - 3 Units**

##### *Introduction to Computer Hardware Systems I*

Recommended Preparation: Electronics and Computer Hardware Technology 11 and Computer Information Systems 13 or equivalent

##### Evening Hours

**7485 6:00-6:50pm M LEC .....P. Akhigbe..... ITEC 213**  
**7:15-9:20pm MW LAB.....P. Akhigbe..... ITEC 213**  
**6:00-7:05pm W LEC .....P. Akhigbe..... ITEC 213**

#### **Electronics and Computer Hardware Technology 146 - TI 3 Units**

##### *CompTIA Network+ Certification Preparation for Computer Hardware Systems*

Recommended Preparation: Electronics and Computer Hardware Technology 140

Note: formerly Electronics and Computer Hardware Technology 146ab

##### Evening Hours

**7474 6:00-6:50pm T LEC .....P. Akhigbe..... ITEC 213**  
**7:15-9:20pm TTh LAB.....P. Akhigbe..... ITEC 213**  
**6:00-7:05pm Th LEC.....P. Akhigbe..... ITEC 213**



# FALL 2023 SCHEDULE

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### ENGINEERING TECHNOLOGY (ETEC)

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#### Engineering Technology 10 - 3 Units

##### *Principles of Engineering Technology*

7740 1:00-1:50pm M LEC .....E. Carlson ..... ITEC 17  
2:15-4:20pm MW 222 .....E. Carlson ..... ITEC 17  
1:00-2:05pm W LEC .....E. Carlson ..... ITEC 17

#### Engineering Technology 12 - 3 Units

##### *Introduction to Engineering Design*

7742 12:00-12:50pm T LEC .....D. Valladares ..... ITEC 32  
1:15-3:20pm TTh LAB .....D. Valladares ..... ITEC 32  
12:00-1:05pm Th LEC .....D. Valladares ..... ITEC 32

#### Engineering Technology 14 - 3 Units

##### *Electronics for Engineering Technologists*

###### Evening Hours

7744 6:00-6:50pm M LEC .....A. Al Sheyab ..... ITEC 17  
7:15-9:20pm MW LAB .....A. Al Sheyab ..... ITEC 17  
6:00-7:05pm W LECA. ....Al Sheyab ..... ITEC 17

#### Engineering Technology 15 - 3 Units

##### *Aerospace Engineering*

###### Evening Hours

7746 6:00-6:50pm T LEC .....A. Al Sheyab ..... ITEC 17  
7:15-9:20pm TTh LAB .....A. Al Sheyab ..... ITEC 17  
6:00-7:05pm Th LEC .....A. Al Sheyab ..... ITEC 17

# FALL 2023 SCHEDULE

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### FASHION (FASH)

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#### Fashion 1 - 1 Unit

##### *Career Opportunities in Fashion*

**7522 3:45-6:05pm Th LEC.....C. Griffin..... ITEC 111**

Section 7522 meets during the second 8 weeks starting October 26, 2023. Class will not meet on November 23, 2023.

#### Fashion 4 - 3 Units

##### *Computer Fashion Illustration*

Recommended Preparation: Fashion 15 or equivalent experience

Note: formerly Fashion 4ab

**7527 See Distance Education Website.....A. Owens ..... Online LEC**

**See Distance Education Website.....A. Owens ..... Online LAB**

**10:00am-1:00pm Th XLAB.....A. Owens ..... ITEC 218**

Section 7527 is a Distance Education hybrid course that includes both online instruction and weekly on-campus class meetings. You must attend the first class meeting on Thursday, August 31, 2023, from 10:00 a.m. to 1:00 p.m., in Room ITEC-218 or you may be dropped from the course. This section will meet on campus every Thursday, from 10:00 a.m. to 1:00 p.m., in Room ITEC-218. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>. Section 7527 will use Adobe Illustrator and Photoshop for PC. This course requires that you have the following supplies by the beginning of the semester: Windows PC or Mac desktop or laptop computer with a minimum of these specifications: PC: Microsoft-Â Windows 7 (64-bit only) and later; Mac: Mac OS X v10.12 and later; a reliable internet connection; Adobe Creative Cloud Software license--a 6-month license may be purchased for \$39.99 through [CollegeBuys.org](http://store.collegebuys.org) at <http://store.collegebuys.org>. Laptop and Internet Hotspot Assistance: For information on the college's Equipment Loan Program, please go to the Study Center on the second floor of the library or e-mail [lrc@elcamino.edu](mailto:lrc@elcamino.edu).

#### Fashion 10 - 3 Units

##### *Clothing Construction I*

Note: formerly Fashion 10ab

**7529 9:30-10:20am M LEC .....V. Ashley .....ITEC 225B**

**10:45-12:10pm MW XLAB .....V. Ashley .....ITEC 225B**

**9:30-10:35am W LEC .....V. Ashley .....ITEC 225B**

Class will not meet on September 4, 2023.

##### *Evening Hours*

**7530 4:30-7:40pm T XLAB .....V. Ashley .....ITEC 225B**

**7:50-9:55pm T 111 .....V. Ashley .....ITEC 225B**

#### Fashion 15 - 2 Units

##### *Beginning Fashion Illustration*

Recommended Preparation: Art 217

Note: formerly Fashion 15ab

**7534 10:00-11:05am F LEC .....G. Baizer ..... ITEC 225A**

**11:15-2:25pm F XLAB .....G. Baizer ..... ITEC 225A**

Labs of Sections 7534 and 7536 are combined. Class will not meet on November 24, 2023.

#### Fashion 18 - 2 Units

##### *Advanced Fashion Illustration Portfolio Techniques*

Prerequisite: Fashion 16 with a minimum grade of C or equivalent

Recommended Preparation: Art 217

**7536 11:15-2:25pm F XLAB .....G. Baizer ..... ITEC 225A**

**2:45-3:50pm F LEC .....G. Baizer ..... ITEC 225A**

Labs of sections 7536 and 7534 are combined. Class will not meet on November 24, 2023.

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### FASHION (FASH)

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#### Fashion 20 - 3 Units

##### *Textiles*

Recommended Preparation: eligibility for English 84

**7541 1:00-4:10pm T LEC .....C. Osuna..... ITEC 225A**

#### Fashion 23 - 2 Units

##### *Fitting and Alterations*

Prerequisite: one semester of Fashion 10ab with a minimum grade of C or equivalent

##### *Evening Hours*

**7543 4:30-5:35pm Th LEC.....P. Ratcliff..... ITEC 225A**

**5:45-8:55pm Th LAB.....P. Ratcliff..... ITEC 225A**

Class will not meet on November 23, 2023.

#### Fashion 26A - 3 Units

##### *Basic Design and Patternmaking*

Prerequisite: Fashion 10 with a minimum grade of C

Recommended Preparation: Proficiency in Basic Arithmetic Skills

**7537 9:30-10:20am T LEC .....W. Hoover..... ITEC 225A**

**10:45-12:10pm TTh LAB.....W. Hoover..... ITEC 225A**

**9:30-10:35am Th LEC.....W. Hoover..... ITEC 225A**

Class will not meet on November 23, 2023.

#### Fashion 27 - 3 Units

##### *Fashion Merchandising*

Recommended Preparation: English A

##### *Evening Hours*

**7538 6:00-9:10pm W LEC .....S. Warren..... ITEC 225A**

#### Fashion 31 - 3 Units

##### *History of Costume*

Recommended Preparation: eligibility for English 1A

**4793 See Distance Education Website.....B. Goodwin ..... Online**

Section 4793 is a fully online class. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

#### Fashion 35 - 2 Units

##### *Applied Color Theory*

Recommended Preparation: English 1

**7544 1:30-4:40pm M XLAB.....V. Ashley ..... Live Online**

**1:30-2:35pm W LEC .....V. Ashley ..... Live Online**

Section 7544 is a live online class that includes required Zoom meetings. Online meeting days and times are listed in the schedule. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. Class will not meet on September 4, 2023.

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### FASHION (FASH)

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#### **Fashion 41 - 3 Units**

##### *Fashion Analysis and Selection*

Recommended Preparation: Eligibility for English 1A

**7546 3:00-4:25pm W LEC .....V. Ashley .....Live Online**

**5:30-6:55pm M LEC .....V. Ashley .....Live Online**

Section 7546 is a live online class that includes required Zoom meetings. Online meeting days and times are listed in the schedule. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class. Class will not meet on September 4, 2023.

#### **Fashion 95 - 2-4 Units**

##### *Cooperative Work Experience Education*

Enrollment Limitation: Employment or volunteer work in a position related to the student's major or career goal by the second week of the semester. Completion of or current enrollment in one course from the major.

Note: formerly Fashion 95abcd To register, students must fill out a CWEE application and contact the CWEE instructor by the second week of the semester. Applications/Instructors are available in the Industry and Technology Division Office. The following scale reflects the equivalent units for hours worked:

2 Units = 10 hours worked per week

3 Units = 15 hours worked per week

4 Units = 20 hours worked per week

Students must be enrolled in a minimum of 7 units (including CWEE); contact the Industry and Technology Division Office at (310) 660-3600 for more information.

**7553 4.00 Hours to be arranged.....V. Ashley .....TBA**

**7568 2.00 Hours to be arranged.....V. Ashley .....TBA**

# FALL 2023 SCHEDULE

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### MACHINE TOOL TECHNOLOGY (MTT)

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#### Machine Tool Technology 2 - 3 Units

##### *Manufacturing Print Reading*

###### Evening Hours

**7670 7:00-10:10pm T LEC ..... T. Monzello ..... Live Online**

Section 7670 is a live online class that includes required Zoom meetings. Online meeting days and times are listed in the schedule. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

#### Machine Tool Technology 10A - 3 Units

##### *Introduction to CAD/CAM*

Recommended Preparation: Machine Tool Technology 101 or equivalent experience

###### Evening Hours

**7671 5:30-8:40pm Th LEC ..... V. DeLaTorre ..... ITEC 34**  
**8:55-10:00pm Th LAB ..... V. DeLaTorre ..... ITEC 34**

Section 7671 meets on Thursdays starting on August 31, 2023. Class will not meet on November 23, 2023.

#### Machine Tool Technology 10K - 3 Units

##### *3D Numerical Control Graphics Programming*

Prerequisite: Machine Tool Technology 10J with a minimum grade of C

###### Evening Hours

**7688 5:00-7:05pm T LEC ..... V. DeLaTorre ..... ITEC 34**  
**7:15-10:25pm T LAB ..... V. DeLaTorre ..... ITEC 34**

#### Machine Tool Technology 16 - 3 Units

##### *General Metals*

Note: formerly Machine Tool Technology 16ab

**7674 8:30-10:35am S LEC ..... H. Hofmann ..... ITEC 18**  
**11:00-3:15am S LAB ..... H. Hofmann ..... ITEC 5**

Section 7674 meets on Saturdays starting on August 216, 2022.

#### Machine Tool Technology 101 - 4 Units

##### *Introduction to Conventional and CNC Machining*

Note: formerly Machine Tool Technology 101abcd

**7677 8:00-9:05am MTWTh LEC ..... E. Carlson ..... ITEC 18**  
**9:15-12:30pm MTWTh LAB ..... E. Carlson ..... ITEC 5**

Section 7677 meets during the first 8 weeks of the semester starting on August 8, 2023. Class will not meet on September 4, 2023.

###### Evening Hours

**7678 5:30-6:20pm T LEC ..... L. Salcedo ..... ITEC 33**  
**6:45-9:55pm TTh LAB ..... L. Salcedo ..... ITEC 5**  
**5:30-6:35pm Th LEC ..... L. Salcedo ..... ITEC 33**

Class will not meet on November 23, 2023.

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### MACHINE TOOL TECHNOLOGY (MTT)

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#### **Machine Tool Technology 103 - 4 Units**

##### *Conventional and CNC Turning*

Prerequisite: Machine Tool Technology 46 or 101 with a minimum grade of C in prerequisite or equivalent

Note: formerly Machine Tool Technology 103abcd

##### Evening Hours

**7680 5:30-6:20pm M LEC .....M. VanOverbeck ..... ITEC 18**  
**6:45-9:55pm MW LAB.....M. VanOverbeck ..... ITEC 5**  
**5:30-6:35pm W LEC .....M. VanOverbeck ..... ITEC 18**

Class will not meet on September 4, 2023.

#### **Machine Tool Technology 105 - 4 Units**

##### *Conventional and CNC Milling*

Prerequisite: Machine Tool Technology 46 or 101 with a minimum grade of C in prerequisite or equivalent

Note: formerly Machine Tool Technology 105abcd

**7681 8:00-9:05am MTWTh LEC.....E. Carlson ..... ITEC 18**  
**9:15-12:30pm MTWTh LAB .....E. Carlson ..... ITEC 5**

Section 7681 meets during the second 8 weeks of the semester starting on October 21,2023. Class will not meet on November 23, 2023.

# FALL 2023 SCHEDULE

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### MANUFACTURING TECHNOLOGY / ROBOTICS (MTEC)

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#### Manufacturing Technology 70 - 2 Units

##### *Basic Robotics*

7700 1:00-2:05pm M LEC .....C. Hirunthanakorn ..... ITEC 22  
2:15-5:25pm M LAB .....C. Hirunthanakorn ..... ITEC 22

#### ~~Manufacturing Technology 75 - 3 Units~~

##### ~~*Integrated Robotic and Automated Technologies*~~

**CANCELLED**

~~Recommended Preparation: Electronics and Computer Hardware Technology 11, Manufacturing Technology 70~~

~~7703 1:00-3:05pm W LEC C. Hirunthanakorn ..... ITEC 22  
3:15-7:30pm W LAB C. Hirunthanakorn ..... ITEC 22~~

# FALL 2023 SCHEDULE

## Industry & Technology Division

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### NUTRITION SCIENCE (NUTR)

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#### Nutrition Science 110 - 3 Units

##### *Introduction to Nutrition Science*

Recommended Preparation: Eligibility for English 1A

Note: Formerly Nutrition and Foods 11

**4797 See Distance Education Website.....M. Lyons ..... Online**

(Formerly NFOO-11) Section 4797 is a fully online class that meets during the **first 8 weeks** of the semester starting on August 26, 2023. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

**4798 See Distance Education Website.....M. Lyons ..... Online**

(Formerly NFOO-11) Section 4798 is a fully online class that meets during the **first 8 weeks** of the semester starting on August 26, 2023. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

**7025 3:30-4:55pm MW LEC.....J. Gray..... Online**

Section 7025 is a live online class for Lawndale High School students that includes required Zoom meetings. Online meeting days and times are listed in the schedule. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

**7026 3:30-4:55pm TTh LEC.....M. Bremen ..... Online**

Section 7026 is a live online class for Leuzinger High School students that includes required Zoom meetings. Online meeting days and times are listed in the schedule. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

**7720 See Distance Education Website.....J. Gray..... Online**

(Formerly NFOO-11) Section 7720 is a fully online class. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

**7722 See Distance Education Website.....M. Bremen ..... Online**

(Formerly NFOO-11) Section 7722 is a fully online class that meets during the **first 8 weeks** of the semester starting on August 26, 2023. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

**7723 See Distance Education Website.....J. Gray..... Online**

(Formerly NFOO-11) Section 7723 is a fully online class that meets during the **second 8 weeks** of the semester starting October 21, 2023. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

**7724 See Distance Education Website.....M. Bremen ..... Online**

(Formerly NFOO-11) Section 7724 is a fully online class. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

**7726 See Distance Education Website.....J. Gray..... Online**

Section 7726 is a Distance Education online course. Registered students must login to the Canvas course site and follow the instructions at [http://www.elcamino.edu/library/distance-ed/Canvas\\_Students.asp](http://www.elcamino.edu/library/distance-ed/Canvas_Students.asp) before the start of the semester or you may be dropped from the course. For specific course information, please visit the Distance Education website and also read the Student Handbook for Online Courses available in the Distance Education Office or on the website at <http://www.elcamino.edu/DistanceEd>.

**7734 See Distance Education Website.....S. Warren..... Online**

(Formerly NFOO-11) Section 7734 is a fully online class. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.

**7739 See Distance Education Website.....M. Bremen ..... Online**

(Formerly NFOO-11) Section 7739 is a fully online class the meets during the **second 8 weeks** of the semester starting October 21, 2023. Registered students must login to the Canvas site on the first day of class and follow any instructions or they may be dropped from the class.



# FALL 2023 SCHEDULE

## Industry & Technology Division

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### WELDING (WELD)

#### Welding 10A - 4 Units

*Introduction to Shielded Metal Arc Welding (SMAW)*

7762 8:30-9:45am MTWTh LEC.....D. Meek ..... CAT 102  
10:00-12:35pm MTWTh LAB .....D. Meek ..... CAT 170

Section 7762 meets during the first 8 weeks of the semester starting on August 28, 2023. Class will not meet on September 4, 2023.

#### Welding 10B - 4 Units

*Intermediate Shielded Metal Arc Welding (SMAW)*

Recommended Preparation: Welding 10A

7768 8:30-9:45am MTWTh LEC.....D. Meek ..... CAT 102  
10:00-12:35pm MTWTh LAB .....D. Meek ..... CAT 170

Section 7768 meets during the second 8 weeks of the semester starting on October 23, 2023. Class will not meet on November 23, 2023.

Evening Hours

7770 5:30-6:40pm TTh LEC .....S. Grcevic ..... CAT 104  
6:50-9:20pm TTh LAB .....S. Grcevic ..... CAT 170

#### Welding 10C - 2 Units

*Advanced Certification and Career Preparation Lab*

Prerequisite: Welding 10B with a minimum grade of C or equivalent

7774 2:00-5:10pm TTh LAB .....S. Grcevic ..... CAT 170  
.....D. Meek .....

#### Welding 15 - 3 Units

*Basic Welding for Allied Fields*

Note: formerly Welding 15ab

7778 12:15-1:05pm M LEC.....R. Newell..... CAT 102  
1:25-3:30pm MW LAB.....R. Newell..... CAT 170  
12:15-1:20pm W LEC.....R. Newell..... CAT 102

#### Welding 20A - 4 Units

*Flux Cored Arc Welding (FCAW)*

Prerequisite: Welding 10C or Welding 23 with a minimum grade of C

7782 2:00-3:10pm MW LEC.....D. Meek ..... CAT 102  
3:30-6:00pm MW 222 .....D. Meek ..... CAT 170

#### ~~Welding 28 - Units 3~~

~~*American Welding Society (AWS) D1.1 Certification Test Preparation*~~

~~Prerequisite: Welding 10C or Welding 23 with a minimum grade of C in prerequisite or equivalent~~

~~Note: formerly Welding 28ab~~

~~7786 11:30-12:55pm TTh LEC .....R. Newell..... CAT 10~~

CANCELLED

#### Welding 29 - 3 Units

*Blueprint Reading*

7790 10:00-11:25am TTh LEC .....R. Newell..... CAT 102

# FALL 2023 SCHEDULE

## Industry & Technology Division

09.08.2023

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### WELDING (WELD)

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#### Welding 40A - 3 Units

##### *Introduction to Gas Tungsten Arc Welding (GTAW)*

7794 8:30-9:20am M LEC .....N. Colin ..... CAT 104  
9:45-11:50am MW LAB .....N. Colin ..... CAT 170  
8:30-9:35am W LEC .....N. Colin ..... CAT 104

#### Welding 40B - 3 Units

##### *Intermediate Gas Tungsten Arc Welding (GTAW)*

Recommended Preparation: Welding 40A

7798 3:30-4:20pm M LEC .....N. Colin ..... CAT 102  
4:45-6:50pm MW LAB .....N. Colin ..... CAT 170  
3:30-4:35pm W LEC .....N. Colin ..... CAT 102

#### Welding 45 - 5 Units

##### *Structural Fabrication*

Prerequisite: Welding 10A or Welding 15 or Welding 40A with a minimum grade of C in prerequisite

Note: formerly Welding 45ab

7804 3:45-5:50pm MW LEC .....R. Newell ..... CAT 104  
6:00-8:05pm MW LAB .....R. Newell ..... CAT 170

#### Welding 99 - 1-3 Units

##### *Independent Study*

Enrollment Limitation: Two courses in Welding with a minimum grade of B in each and acknowledgement by the instructor with whom the student will work

Note: Refer to the El Camino College Catalog for eligibility requirements. formerly Welding 99abc

7808 2.00 Hours to be arranged.....D. Meek ..... CAT 170

Enrollment in Independent Study is contingent upon approval by the instructor and Division Dean. Independent Study forms are available by e-mailing the Industry & Technology Division Office at [indtech@elcamino.edu](mailto:indtech@elcamino.edu) or calling 310-660-3600.

7809 2.00 Hours to be arranged.....S. Grcevic ..... CAT 170

Enrollment in Independent Study is contingent upon approval by the instructor and Division Dean. Independent Study forms are available by e-mailing the Industry & Technology Division Office at [indtech@elcamino.edu](mailto:indtech@elcamino.edu) or calling 310-660-3600.

7810 3.00 Hours to be arranged.....D. Meek ..... CAT 170

Enrollment in Independent Study is contingent upon approval by the instructor and Division Dean. Independent Study forms are available by e-mailing the Industry & Technology Division Office at [indtech@elcamino.edu](mailto:indtech@elcamino.edu) or calling 310-660-3600.