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## ABOUT THIS SUPPLEMENT

### CATALOG WINTER SUPPLEMENT 2020-2021

The Laney College Catalog Winter Supplement for 2020-2021 is a summary of additions, deactivations, corrections, and changes that have been made in curriculum and policies affecting students since the deadline for the 2020-2021 Catalog. Changes to curriculum are made on an ongoing basis throughout the academic year and are usually effective for a subsequent term. All individual course additions and changes show the effective term at the end of each entry. All program additions and changes show the effective term after the program title. These notations are as follows: M20=Summer 2020; F20=Fall 2020; S21=Spring 2021; M21=Summer 2021; and F21=Fall 2021.

## ACCURACY STATEMENT

Laney College endeavors to present its programs and policies to the public accurately and fairly. Those responsible for the preparation of the Catalog, the Catalog Supplement, and Schedules of Classes, and all other public announcements make every effort to ensure that the information presented is correct and up-to-date. However, the College reserves the right to add, amend, or repeal the curriculum and any rules, regulations, policies and procedures. The College assumes no responsibility for program changes or publication errors beyond its control.

**COURSE ADDITIONS**

<b>DEPT/NO.</b>	<b>COURSE TITLE/INFORMATION</b>	<b>EFF</b>
<b>ARCH 142</b>	<b>Digital Craft For Architecture and Design</b> 3 units, 2 hours lecture, 4 hours laboratory (GR or P/NP) Acceptable for credit: CSU Digital, parametric, bi-directional methods of design and fabrication relate to architectural building design: Non-traditional, non-orthographic architectural methods of communication, Bi-directional methods of design and construction, parametric digital design, embedded design logic. 0201.00	<b>S21</b>
<b>BIOL 574</b>	<b>Quality Practices in Biotechnology</b> 0 units, 36.75-52.5 hours lecture (P/NP or SP)  Preparation for the Certified Quality Improvement exam (CQIA) administered by the American Society for Quality (ASQ): Introduction to basic quality principles and tools with an emphasis on their application in biotechnology. Concepts related to quality control, quality assurance, validation, documentation, and regulatory compliance within this industry. 0430.00	<b>S21</b>
<b>BIOL 577</b>	<b>Business and Regulatory Practices in Biomanufacturing</b> 0 units, 52.5 hours lecture (P/NP or SP)  Manufacturing procedures and basic business principles: Key concepts for product quality and safety as it moves through a biomanufacturing production pipeline, roles of governmental oversight and regulation during the discovery, development and manufacturing of new products for the biopharmaceutical industry. 0430.00	<b>S21</b>
<b>COUN 521</b>	<b>College Readiness I</b> 0 units, 4-8 hours lecture (P/NP or SP)  Orientating students to college: Campus resources, college programs, policies and procedures. 4930.14	<b>S21</b>

**COUN 522 College Readiness II**

S21

0 units, 4-8 hours lecture (P/NP or SP)

College success skills: Time management and goal setting skills. 4930.14

**ESOL 257C Intermediate Reading & Writing Workshop: Strengthening Critical Reading, Writing and Thinking Skills** F20

1 unit, 0.75 hours lecture, 0.75 hours laboratory (GR or P/NP)

Corequisite(s): ESOL 253 or 513 or 253A

Skills to succeed in ESOL 253: Learning strategies and individualized instruction for high intermediate English learners to strengthen critical reading, writing, and thinking skills. 4930.87

**ESOL 257D Intermediate Reading & Writing Workshop: Consolidating Critical Reading, Writing and Thinking Skills** F20

1 unit, 0.75 hours lecture, 0.75 hours laboratory (GR or P/NP)

Corequisite(s): ESOL 253 or 513 or 253A

Continuation of ESOL 257C and support for ESOL 253: Learning strategies and individualized instruction for high intermediate English learners to consolidate critical reading, writing, and thinking skills. 4930.87

**ESOL 259A Advanced Reading and Writing Workshop: Developing Critical Reading, Writing, and Thinking Skills** F20

1 unit, 0.75 hours lecture, 0.75 hours laboratory (GR or P/NP)

Corequisite(s): ESOL 52 or 52A or 552

Skills to succeed in ESOL 052: Learning strategies and individualized instruction for advanced English learners to develop critical reading, writing, and thinking skills. 4930.87

**ESOL 259B Advanced Reading and Writing Workshop: Applying Reading, Writing and Critical Thinking Skills** F20

1 unit, 0.75 hours lecture, 0.75 hours laboratory (GR or P/NP)

Corequisite(s): ESOL 52 or 52A or 552

Continuation of ESOL 259A and support for ESOL 052: Learning strategies and individualized instruction for advanced English learners to apply critical reading, writing, and thinking skills with emphasis on research skills. 4930.87

**ESOL 259C Advanced Reading and Writing Workshop: Strengthening Critical Reading, Writing and Thinking Skills** F20

1 unit, 0.75 hours lecture, 0.75 hours laboratory (GR or P/NP)

Corequisite(s): ENGL 1A or 1AS

Skills to succeed in ENGL 1A: Learning strategies and individualized instruction for advanced English learners to strengthen critical reading, writing, and thinking skills. 4930.87

**ESOL 259D Advanced Reading and Writing Workshop: Consolidating Critical Reading, Writing, and Thinking Skills** F20

1 unit, 0.75 hours lecture, 0.75 hours laboratory (GR or P/NP)

Corequisite(s): ENGL 1A or 1AS

Continuation of ESOL 259C and support for ENGL 1A: Learning strategies and individualized instruction for advanced English learners to consolidate critical reading, writing, and thinking skills with emphasis on research skills. 4930.87

**ESOL 290 English for Special Purposes** F20

1-2 units, 1-2 hours lecture (GR or P/NP)

Intermediate-level English language to career specific training: Practice listening, speaking and some reading and writing in English in the context of the targeted industry. 4931.00

**ESOL 511 Reading and Writing 1** F20

0 unit, 105 hours lecture (P/NP or SP)

Recommended Preparation: ESOL 541D or Placement through multiple-measures assessment process.

High beginning level of reading and writing: Fiction and non fiction readings adapted for ESOL; writing short narrative and descriptive paragraphs. 4930.87

**ESOL 512 Reading and Writing 2** F20

0 unit, 105 hours lecture (P/NP or SP)

Recommended Preparation: ESL 285B or ESOL 251B or 511 or Placement through multiple-measures assessment process.

Intermediate level of reading and writing: Academic vocabulary and critical thinking skills using intermediate-level ESOL reading materials; expanding paragraphs into simple narratives and essays. 4930.87



- ESOL 513 Reading and Writing 3** F20  
0 unit, 105 hours lecture (P/NP or SP)  
Recommended Preparation: ESL 222 or ESOL 252B or 512 or Placement through multiple-measures assessment process.  
  
High intermediate level of reading and writing: Critical readings of essays, short academic texts, short stories, and/or a novel; writing well-developed essays and compositions. 4930.87
- ESOL 561 Listening and Speaking 1** F20  
0 unit, 70 hours lecture (P/NP or SP)  
Recommended Preparation: ESOL 541D or Placement through multiple-measures assessment process.  
  
High beginning level listening and speaking: Improving fluency and accuracy in American English through listening comprehension, grammar, vocabulary, idioms, pronunciation and presentation skills. 4930.86
- ESOL 562 Listening and Speaking 2** F20  
0 unit, 70 hours lecture (P/NP or SP)  
Recommended Preparation: ESL 283B or ESOL 261B or 561 or Placement through multiple-measures assessment process.  
  
Intermediate level listening and speaking: Improving fluency and accuracy in American English through listening comprehension, grammar, vocabulary, idioms, pronunciation and presentation skills. 4930.86
- ESOL 563 Listening and Speaking 3** F20  
0 unit, 70 hours lecture (P/NP or SP)  
Recommended Preparation: ESL 232B or ESOL 262B or 562 or Placement through multiple-measures assessment process.  
  
High intermediate level listening and speaking: improving fluency and accuracy in American English through listening comprehension, grammar, vocabulary, idioms, pronunciation and presentation skills. 4930.86
- ESOL 571 Grammar 1** F20  
0 unit, 70 hours lecture (P/NP or SP)  
Recommended Preparation: ESOL 541D or Placement through multiple-measures assessment process.  
  
High beginning level of English grammar: Basic grammar structures, sentence patterns and parts of speech. 4930.87



- ESOL 572 Grammar 2** F20  
0 unit, 70 hours lecture (P/NP or SP)  
Recommended Preparation: ESL 284B or 285B or ESOL 251B or 271B or 571 or Placement through multiple-measures assessment process.  
  
Intermediate level of English grammar: Introduction to complex grammar structures and sentence patterns. 4930.87
- ESOL 573 Grammar 3** F20  
0 unit, 70 hours lecture (P/NP or SP)  
Recommended Preparation: ESL 215B or ESOL 272B or 572 or Placement through multiple-measures assessment process.  
  
High intermediate level of English grammar: Further study of complex grammar structures and sentence patterns. 4930.87
- ESOL 574 Grammar 4** F20  
0 unit, 70 hours lecture (P/NP or SP)  
Recommended Preparation: ESL 216B or ESOL 273B or 573 or Placement through multiple-measures assessment process.  
  
Advanced level of English grammar: Expanding, refining and applying the complex grammar skills used in academic writing, reading, listening and speaking. 4930.87
- M/LAT 38 Introduction to Curanderismo: Sacred Healing Traditions and Practices of Mexico and the Southwest United States** S21  
3 unit, 3 hours lecture (GR or P/NP)  
  
Overview of Curanderismo and traditional Mesoamerican healing practices using an interdisciplinary approach: Analysis of history, Indigenous healing systems, ceremonies, ancestral remedies, and healing techniques used to integrate mind, body and spirit. 1101.05



COURSE CHANGES			
DEPT/NO.	CHANGE COURSE FROM:	CHANGE COURSE TO:	EFF TERM
AFRAM 32	<b>Units:</b> 3-4  <b>Hours:</b> 3-4 Lec	<b>Units:</b> 3  <b>Hours:</b> 3 Lec	F20
ARCH 23	<b>Description:</b> Continuation of ARCH 13: Advanced study and practice in lettering, freehand sketching and detailing of self-designed residence, preliminary design and working drawings; simple development of perspectives and rendering of multi-dwelling complex or small commercial buildings; application of the use of reinforced concrete; use of Uniform Building Code in the semester project design.	<b>Description:</b> Continuation of ARCH 13: Study and practice in freehand sketching, integration of CAD, and detailing of self-designed residence, preliminary design and working drawings; simple development of perspectives and rendering of multi-dwelling complex or small commercial buildings; application of the use of reinforced concrete; use of Building Codes in the semester project design.	S21
ARCH 33	<b>Description:</b> Continuation of ARCH 23: Preliminary and final design, and presentation drawings for complex structures such as public or commercial buildings; emphasis on accepted production drafting, rendering techniques, and utilization of applicable structural design systems; freehand drawing in pencil, ink and color media, and integration/utilization of various computer program software; field trips to construction projects and architects' offices.	<b>Description:</b> Continuation of ARCH 23: Preliminary and final design, and presentation drawings for intermediate complex structures such as public or commercial buildings; emphasis on accepted production drafting, rendering techniques, and utilization of applicable structural design systems; freehand drawing in pencil, and integration/utilization of various computer program software; field trips to construction projects and architects' offices.	S21
ARCH 43	<b>Description:</b> Continuation of ARCH 33: Design and development of a commercial or public building; Site analysis and	<b>Description:</b> Continuation of ARCH 33: Advanced design and development of a commercial or public building; Site	S21





	design; design and provision for structural, mechanical and electrical systems; adherence to accepted industry production, drafting and rendering practices for design and contract drawing; principles of specification writing and office practice; field trips to construction sites and architects' offices.	analysis and design; design and provision for structural, mechanical and electrical systems; adherence to accepted industry production, drafting and rendering practices for design and contract drawing; principles of specification writing and office practice; field trips to construction sites and architects' offices.	
<b>ARCH 111</b>	<p><b>Title:</b> Sustainable Architectural Design</p> <p><b>Description:</b> Introduction to sustainable architectural and environmental design applications: Survey of green building precedents, trends in contemporary architectural design and new sustainable technologies; creation of customized Green Building Standards Reference Guide; product and system selection; impacts of new technologies as well as cultural, socioeconomic and regulatory systems on green building design.</p>	<p><b>Title:</b> Sustainable Design Applications</p> <p><b>Description:</b> Sustainable Design Applications: Primer on the whole systems, environmentally responsive approach to building design at both residential and commercial scales. Students will receive hands on experience of the principles of advanced high performance building and nature-responsive high density/ mixed-use community planning through case studies, design projects, and field trips to notable projects in the Bay Area.</p>	S21
<b>ARCH 121A</b>	<p><b>Title:</b> Introduction to Building Information Modeling (BIM)</p> <p><b>Description:</b> Introduction to Building Information Modeling (BIM): Use of computer and software to develop plans, details, sections, elevations and schedules from Revit generated Building Information Model.</p> <p><b>Recommended Preparation:</b> ARCH 211 or Students taking this course should have a basic understanding developing 2-</p>	<p><b>Title:</b> Beginning REVIT--Building Information Modeling (BIM)</p> <p><b>Description:</b> Introduction to Building Information Modeling (BIM): Use of REVIT to develop floor plans, sections, elevations, schedules, and photo-like 3-D images from Building Information Model; basic program skills for architects, landscape architects, engineers, and construction contractors.</p> <p><b>Recommended Preparation:</b></p>	S21



	dimensional drawings such as architectural plans, elevations, sections, via manual drafting or via CAD	ARCH 211 or 104A or Students taking this course should have a basic understanding developing 2-dimensional drawings such as architectural plans, elevations, sections, via manual drafting or via CAD	
<b>ARCH 121B</b>	<p><b>Title:</b> Advanced Building Information Modeling (BIM)</p> <p><b>Description:</b> Advanced concepts in Building Information modeling (BIM): Development of plans, details, sections, elevations and schedules from Revit generated Building Information Model.</p>	<p><b>Title:</b> Advanced REVIT--Building Information Modeling (BIM)</p> <p><b>Description:</b> Advanced REVIT software for Building Information Modeling (BIM): BIM skills that include creating families (.rfa), activating worksharing and central files, worksets, interference checks, copy/monitor, revisions, design options, construction documents, and preparing for REVIT certification exams.</p>	S21
<b>ARCH 200</b>	<p><b>Prerequisite(s):</b> None</p>	<p><b>Prerequisite(s):</b> ARCH 23 or Instructor's approval.</p>	S21
<b>ATHL 18</b>	<p><b>Description:</b> Fundamental of Intercollegiate competition: Concepts of offensive, defensive, and special teams theory and development.</p>	<p><b>Description:</b> Fundamental of Intercollegiate competition: Developing team concepts through offensive, defensive, and special teams theory; and developing physiologically through cardiovascular and muscular training specific to football.</p>	S21
<b>ATHL 92</b>	<p><b>Description:</b> Activity class: Introduction of developing advanced officiating skills leading to a advanced understanding of the sport.</p>	<p><b>Description:</b> Continuation of ATHL 91: Intermediate officiating skills focusing on rules of the sport of football and the ability to execute proper mechanics on the field.</p>	S21
<b>BNK/F 456C</b>	<p><b>Department:</b> BUS</p> <p><b>Hours:</b> 3-12 Lab</p>	<p><b>Department:</b> BNK/F</p> <p><b>Hours:</b> 3.43-17.15 Lab</p>	S21



	<p><b>Description:</b> Supervised employment providing opportunities in the field of banking and finance or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	<p><b>Description:</b> Supervised employment providing opportunities in the field of banking and finance or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Students may reenroll for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	
BIOL 77	<p><b>Description:</b> Sound manufacturing procedures and basic business principles: Key concepts for product quality and safety as it moves through a biomanufacturing production pipeline, roles of governmental oversight and regulation during the discovery, development and manufacturing of new products for the biopharmaceutical industry.</p>	<p><b>Description:</b> Manufacturing procedures and basic business principles: Key concepts for product quality and safety as it moves through a biomanufacturing production pipeline, roles of governmental oversight and regulation during the discovery, development and manufacturing of new products for the biopharmaceutical industry.</p>	S21
BUS 456A	<p><b>Hours:</b> 3-12 Lab</p> <p><b>Description:</b> Supervised employment providing opportunities in accounting or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and</p>	<p><b>Hours:</b> 3.43-17.15 Lab</p> <p><b>Description:</b> Supervised employment providing opportunities in accounting or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and occupational work experience</p>	S21



	occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).	education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).	
<b>BUS 456D</b>	<p><b>Hours:</b> 3-12 Lab</p> <p><b>Description:</b> Supervised employment providing opportunities in business administration or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	<p><b>Hours:</b> 3.43-17.15 Lab</p> <p><b>Description:</b> Supervised employment providing opportunities in business administration or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Students may reenroll for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	S21
<b>BUS 456J</b>	<p><b>Hours:</b> 3-12 Lab</p> <p><b>Description:</b> Supervised employment providing opportunities in marketing and sales or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and</p>	<p><b>Hours:</b> 3.43-17.15 Lab</p> <p><b>Description:</b> Supervised employment providing opportunities in marketing and sales or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Students may reenroll for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	S21



	General/Occupational/Apprentice Work Experience).		
<b>BUS 456Q</b>	<p><b>Hours:</b> 3-12 Lab</p> <p><b>Description:</b> Supervised employment providing opportunities in accounting or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	<p><b>Hours:</b> 3.43-17.15 Lab</p> <p><b>Description:</b> Supervised employment providing opportunities in accounting or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Students may reenroll for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	S21
<b>CHEM 1A</b>	<p><b>Hours:</b> 6 Lec/3 Lab</p>	<p><b>Hours:</b> 3 Lec/6 Lab</p>	S21
<b>CHEM 1B</b>	<p><b>Hours:</b> 6 Lec/3 Lab</p>	<p><b>Hours:</b> 3 Lec/6 Lab</p>	S21
<b>CIS 5</b>	<p><b>Top Code:</b> 0706.00</p>	<p><b>Top Code:</b> 0701.00</p>	M20
<b>CIS 299</b>	<p><b>Title:</b> Survey Course for Digital Media/CIS [CIS/Raspberry Pi]</p>	<p><b>Title:</b> Raspberry Pi</p>	S21
<b>CONMT 15</b>	<p><b>Repeatability:</b> None</p>	<p><b>Repeatability:</b> Course study under this section be repeated five times.</p>	S21
<b>COSM 210</b>	<p><b>Description:</b> Beginning cosmetology theory: Bacteriology, public health and</p>	<p><b>Description:</b> Beginning cosmetology theory: Bacteriology; public health and safety; HIV and hepatitis; disinfection and</p>	S21



	safety, HIV and hepatitis, disinfection and sanitation, hygiene and grooming; professionalism and ethics; State Board Rules and Regulations Act and Performance Criteria; dermatology, trichology, onychology structure and function, disorders and diseases, related anatomy and physiology.	sanitation; hygiene and grooming; professionalism and ethics; State Board Rules and Regulations, Act, and Performance Criteria; dermatology, trichology, onychology, structure and function, disorders and diseases, related anatomy, physiology.	
<b>COSM 210L</b>	<b>Description:</b> Practical training for beginning level skills in all phases of beauty culture.	<b>Description:</b> Practical training for beginning level skills in all phases of beauty culture. Not open for credit to students who have completed or are currently enrolled in COSM 210LE.	S21
<b>COSM 210LE</b>	<b>Description:</b> Practical training for beginning level skills in all phases of beauty culture (Evening Lab).	<b>Description:</b> Practical training for beginning level skills in all phases of beauty culture (Evening Lab). Not open for credit to students who have completed or are currently enrolled in COSM 210L.	S21
<b>COSM 211</b>	<b>Credit by Exam:</b> None	<b>Credit by Exam:</b> Acceptable for credit by exam.	S21
<b>COSM 213</b>	<b>Prerequisite(s):</b> None	<b>Prerequisite(s):</b> Demonstrate English writing and reading proficiency	S21
<b>COSM 215</b>	<b>Corequisite(s):</b> COSM 210, 210L or 210LE, 211, 212, 213, 214  <b>Recommended Preparation:</b> COSM 245  <b>Description:</b> Beginning facial and skin care: Disinfection sanitation; public health; safety precautions; tools and equipment; skin care cosmetics; draping and client protection; skin analysis; terminology and definitions; skin cleansing; massage; plain facials;	<b>Corequisite(s):</b> COSM 210, 210L or 210LE, 211, 212, 213, 214  <b>Recommended Preparation:</b> None  <b>Description:</b> Beginning facial and skin care: Disinfection sanitation, public health, safety precautions; tools and equipment; skin care cosmetics; draping and client protection; skin analysis, terminology and definitions; skin cleansing, massage, plain facials,	S21



	eyebrow arching; scrubs and masks; daytime make-up.	eyebrow arching, scrubs and masks, daytime make-up.	
<b>COSM 220L</b>	<p><b>Hours:</b> 22.5 Lab</p> <p><b>Description:</b> Practical training for intermediate level skills in all phases of beauty culture.</p>	<p><b>Hours:</b> 21 Lab</p> <p><b>Description:</b> Practical training for intermediate level skills in all phases of beauty culture. Not open for credit to students who have completed or are currently enrolled in COSM 220LE.</p>	S21
<b>COSM 220LE</b>	<p><b>Description:</b> Practical training for intermediate level skills in all phases of beauty culture.</p>	<p><b>Description:</b> Practical training for intermediate level skills in all phases of beauty culture. Not open for credit to students who have completed or are currently enrolled in COSM 220L.</p>	S21
<b>COSM 221</b>	<p><b>Credit by Exam:</b> None</p> <p><b>Description:</b> Intermediate level manicuring and pedicuring; Terminology and definitions; disinfection and sanitation; tools and equipment; nail cosmetics chemistry; public health; safety; onychology: structure and function; disorders and disease; nail shapes; water and oil manicures; nail mending and repairs; silk and paper wraps; artificial nails; hazardous waste disposal; men’s manicures; arm and hand massage; pedicuring; foot and ankle massage.</p>	<p><b>Credit by Exam:</b> Acceptable for credit by exam.</p> <p><b>Description:</b> Intermediate level manicuring and pedicuring; Terminology and definitions; disinfection and sanitation; tools and equipment; nail cosmetics chemistry; public health; safety; onychology: structure and function; disorders and disease; nail shapes; water and oil manicures; nail mending and repairs; silk wraps; artificial nails; hazardous waste disposal; men’s manicures; arm and hand massage; pedicuring; foot and ankle massage.</p>	S21
<b>COSM 222</b>	<p><b>Credit by Exam:</b> None</p>	<p><b>Credit by Exam:</b> Acceptable for credit by exam.</p>	S21
<b>COSM 224</b>	<p><b>Credit by Exam:</b> None</p>	<p><b>Credit by Exam:</b> Acceptable for credit by exam.</p>	S21



<p><b>COSM 225</b></p>	<p><b>Credit by Exam:</b> None</p> <p><b>Description:</b> Intermediate level facial and skin care: Disinfection sanitation; public health; safety precautions; tools and equipment; skin care cosmetics; skin analysis; terminology and definitions; eyebrow wax; packs and masks; false lashes; evening make-up; electrical facials.</p>	<p><b>Credit by Exam:</b> Acceptable for credit by exam.</p> <p><b>Description:</b> Intermediate level facial and skin care: Disinfection sanitation, public health and safety precautions; tools and equipment; skin care cosmetics; skin analysis, terminology and definitions; eyebrow wax, packs and masks, false lashes, evening make-up, electrical facials.</p>	<p>S21</p>
<p><b>COSM 230</b></p>	<p><b>Description:</b> Practical training for intermediate level skills in all phases of beauty culture.</p>	<p><b>Description:</b> Continuation of COSM 220: Instruction in bacteriology; public health and safety; disinfection and sanitation; hygiene and grooming; professionalism and ethic; State Board Rules and Regulations, Act, and Performance Criteria; dermatology, trichology, onychology, structure and function, disorders and diseases, related anatomy, physiology, chemistry, laboratory technician training MSDS requirements; hazardous waste disposal; desk and reception training; career exploration and planning; salon management; sales and marketing.</p>	<p>S21</p>
<p><b>COSM 230L</b></p>	<p><b>Hours:</b> 22.5 Lab</p> <p><b>Description:</b> Practical training for advanced level skills in all phases of beauty culture. Preparation for California State Board of Cosmetology examination for licensure as a cosmetologist.</p>	<p><b>Hours:</b> 21 Lab</p> <p><b>Description:</b> Continuation of COSM 220L: Practical training for advanced level skills in all phases of beauty culture. Preparation for California State Board of Cosmetology examination for licensure as a cosmetologist. Not open for credit to students who have completed or are currently enrolled in COSM 230LE.</p>	<p>S21</p>
<p><b>COSM 230LE</b></p>	<p><b>Description:</b></p>	<p><b>Description:</b></p>	<p>S21</p>





	<p>Practical training for advanced level skills in all phases of beauty culture. Preparation for California State Board of Cosmetology examination for licensure as a cosmetologist.</p>	<p>Continuation of COSM 220LE: Practical training for advanced level skills in all phases of beauty culture, preparation for California State Board of Cosmetology examination for licensure as a cosmetologist. Not open for credit to students who have completed or are currently enrolled in COSM 230L.</p>	
COSM 231	<p><b>Credit by Exam:</b> None</p> <p><b>Description:</b> Advanced level manicuring and pedicuring; public health; safety.</p>	<p><b>Credit by Exam:</b> Acceptable for credit by exam.</p> <p><b>Description:</b> Continuation of COSM 221: Terminology and definitions; disinfection and sanitation; tools and equipment; nail cosmetics chemistry; public health; safety; onychology: structure and function; disorders and disease; nail shapes; water and oil manicures; nail mending and repairs; silk wraps; artificial nails; hazardous waste disposal; men’s manicures; arm and hand massage; pedicuring; foot and ankle massage.</p>	S21
COSM 232	<p><b>Credit by Exam:</b> None</p> <p><b>Description:</b> Advanced level chemical services and haircutting; Terminology and definitions; permanent wave and relaxer chemistry; rod selection and sectioning patterns; physical and chemical actions; wrapping, timing, and text curls; neutralizing; heat, pH balanced, and men’s perms; strand testing; end, spiral, loop, stacked, dropped and partial perms; base and no-base relaxers; virgin and retouch applications; application methods; smoothing; processing and neutralizing; soft curl perms; chemical blow outs; texturizer; stature, facial</p>	<p><b>Credit by Exam:</b> Acceptable for credit by exam.</p> <p><b>Description:</b> Continuation of COSM 222: Terminology and definitions; permanent wave and relaxer chemistry; rod selection and sectioning patterns; physical and chemical actions; wrapping, timing, and text curls; neutralizing; heat, pH balanced, and men’s perms; strand testing; end, spiral, loop, stacked, dropped and partial perms; base and no-base relaxers; virgin and retouch applications; application methods; smoothing; processing and neutralizing; soft curl perms; chemical blow outs; texturizer; stature, facial and head shapes; hair growth patterns; tools</p>	S21



	and head shapes; hair growth patterns; tools and equipment; sectioning; blunt and tapered haircutting; low and high elevation haircutting; clipper cutting; texturizing and slithering; combination elevation haircutting.	and equipment; sectioning; blunt and tapered haircutting; low and high elevation haircutting; clipper cutting; texturizing and slithering; combination elevation haircutting.	
COSM 233	<p><b>Credit by Exam:</b> None</p> <p><b>Description:</b> Advanced level hairstyling and haircutting; terminology and definitions; scalp treatments and conditioners; brushing and manipulation; chemical styling tools; wet and thermal hairstyling; stature, facial and head shapes; hair growth patterns and distribution; tools and equipment; sectioning; blunt and tapered haircutting; low and high elevation haircutting; clipper cutting; texturizing and slithering; combination elevation haircutting.</p>	<p><b>Credit by Exam:</b> Acceptable for credit by exam.</p> <p><b>Description:</b> Continuation of COSM 223: Terminology and definitions; scalp treatments and conditioners; brushing and manipulation; chemical styling tools; wet and thermal hairstyling; stature, facial and head shapes; hair growth patterns and distribution; tools and equipment; sectioning; blunt and tapered haircutting; low and high elevation haircutting; clipper cutting; texturizing and slithering; combination elevation haircutting.</p>	S21
COSM 234	<p><b>Credit by Exam:</b> None</p>	<p><b>Credit by Exam:</b> Acceptable for credit by exam.</p>	S21
COSM 235	<p><b>Credit by Exam:</b> None</p> <p><b>Description:</b> Advanced level facial and skin care: Disinfection sanitation; public health; safety precautions; tools and equipment; skin care cosmetics; waxing; packs and masks; false lashes; evening make-up; electrical facials.</p>	<p><b>Credit by Exam:</b> Acceptable for credit by exam.</p> <p><b>Description:</b> Advanced level facial and skin care: Disinfection sanitation, public health, safety precautions; tools and equipment; skin care cosmetics; waxing, packs and masks, false lashes, evening make-up, electrical facials.</p>	S21
COUN 24	<p><b>Recommended Preparation:</b> ENGL 201B or ESL 21B</p> <p><b>Top Code:</b></p>	<p><b>Recommended Preparation:</b> None</p> <p><b>Top Code:</b></p>	F20



	4930.10	4930.13	
<b>COUN 57</b>	<b>Recommended Preparation:</b> ENGL 201B or ESL 21B	<b>Recommended Preparation:</b> None	F20
<b>DANCE 7</b>	<b>Units:</b> 3-5  <b>Hours:</b> 2-3 Lec/3-6 Lab  <b>Grading:</b> GR  <b>Recommended Preparation:</b> At least one semester of dance technique lab offering specific to country of study or AFRAM 32 or ANTHR 3 or DANCE 1 or ETHST 1  <b>Top Code:</b> 1008.00	<b>Units:</b> 5  <b>Hours:</b> 3 Lec/6 Lab  <b>Grading:</b> GR or P/NP  <b>Recommended Preparation:</b> AFRAM 32 or ANTHR 3 or DANCE 1 or ETHST 1  <b>Top Code:</b> 1008.10	S21
<b>DANCE 60</b>	<b>Grading:</b> GR	<b>Grading:</b> GR or P/NP	S21
<b>DANCE 61</b>	<b>Grading:</b> GR	<b>Grading:</b> GR or P/NP	S21
<b>DANCE 65</b>	<b>Grading:</b> GR  <b>Prerequisite(s):</b> DANCE 64  <b>Conditional Enrollment:</b> None	<b>Grading:</b> GR or P/NP  <b>Prerequisite(s):</b> DANCE 64  <b>Conditional Enrollment:</b> Instructor's Approval	S21
<b>DANCE 67</b>	<b>Grading:</b> GR  <b>Prerequisite(s):</b> DANCE 65 or 66	<b>Grading:</b> GR or P/NP  <b>Prerequisite(s):</b> DANCE 65 or 66	S21



	<b>Conditional Enrollment:</b> None	<b>Conditional Enrollment:</b> Instructor's Approval	
ENGL 5	<b>Prerequisite(s):</b> ENGL 1A	<b>Prerequisite(s):</b> ENGL 1A or 1AS	S21
ESOL 52	<b>Course Number:</b> 52B  <b>Prerequisite(s):</b> ESL 52A or ESOL 52A  <b>Description:</b> Continuation ESOL 52A: Critical thinking skills, critical and analytical reading of college level texts, and writing of research and other academic papers. Not open for credit to students who have completed or are currently enrolled in ESL 52B.	<b>Course Number:</b> 52  <b>Prerequisite(s):</b> ESOL 253 or 253A or 253B or 513 or 553 or placement by multiple measures assessment process.  <b>Description:</b> Critical thinking skills, critical and analytical reading of college level texts, and writing of research and other academic papers. Not open for credit to students who have completed or are currently enrolled in ESOL 52A or 52B.	F20
ESOL 253	<b>Course Number:</b> 253B  <b>Prerequisite(s):</b> ESOL 253A or ESL 223A  <b>Description:</b> Continuation of ESOL 253A : Critical readings of essays, short academic texts, short stories, and/or a novel; writing well-developed essays and compositions. Not open for credit to students who have completed or are currently enrolled in ESL 223B.	<b>Course Number:</b> 253  <b>Prerequisite(s):</b> ESOL 252A or 252B or 512 or placement by multiple measures assessment process.  <b>Description:</b> Critical readings of essays, short academic texts, short stories, and/or a novel; writing well-developed essays and compositions. Not open for credit to students who have completed or are currently enrolled in ESOL 253A or 253B.	F20
ESOL 286	<b>Title:</b> ESOL for Workplace Communication  <b>Description:</b>	<b>Title:</b> English for Job Search  <b>Description:</b>	F20



	Development and strengthening of English language skills: Dealing with customers and work related issues and relationships. Not open for credit to students who have completed or are currently enrolled in ESL 267.	High-beginning English for Job Search: English language skills for career exploration and job search. Learn how to clearly communicate in English about your employment goals, skills and personal qualities for use in applications, professional correspondences, resumes and job interviews. Not open for credit to students who have completed ESL 267.	
ESOL 287	<b>Description:</b> Development and strengthening of English language skills: Dealing with customers in service areas. Not open for credit to students who have completed or are currently enrolled in ESL 266.	<b>Description:</b> High-Beginning English: Polite language and industry standard service protocols for communicating with customers in the the service industry.	S21
ECT 1	<b>Recommended Preparation:</b> MATH 201 or 210A-D  <b>Description:</b> Principles of physics relevant to Environmental Control Technologies: Thermodynamics, electricity and power conversion, and properties of light, emphasis on laboratory applications and safe practices for working with chemicals, electrical devices, and compressed gases.	<b>Recommended Preparation:</b> MATH 201 or 210D  <b>Description:</b> Principles of physics relevant to Environmental Control Technologies: Thermodynamics, refrigeration cycles, principles of heat transfer transfer, fluid mechanics, electricity and power and energy conversion, and properties of light.	S21
GEOG 19	<b>Description:</b> Overview of past, present and future climate changes: Analysis of climatological events and latest research discoveries; emphasis on the role humans play in warming the planet. Not open for credit to students who have completed or are currently enrolled in PHYSC 25.	<b>Description:</b> Overview of past, present and future climate changes: Analysis of climatological events and latest research discoveries; emphasis on the role humans play in warming the planet.	S21
GRART 113	<b>Corequisite(s):</b> GRART 32	<b>Corequisite(s):</b> None	S21



<b>HIST 3A</b>	<b>Grading:</b> GR	<b>Grading:</b> GR or P/NP	S21
<b>HIST 7A</b>	<b>Grading:</b> GR	<b>Grading:</b> GR or P/NP	S21
<b>HIST 7B</b>	<b>Grading:</b> GR	<b>Grading:</b> GR or P/NP	S21
<b>HIST 19</b>	<b>Grading:</b> GR	<b>Grading:</b> GR or P/NP	S21
<b>JOURN 21</b>	<b>Prerequisite(s):</b> ENGL 201B	<b>Prerequisite(s):</b> None	S21
<b>JOURN 49</b>	<b>Grading:</b> GR  <b>Description:</b> See section on Independent Study.	<b>Grading:</b> GR or P/NP  <b>Description:</b> In-depth exploration of an area or problem of the student's choice not covered by regular catalog offerings in Journalism. Student must obtain approval from an appropriate faculty member. For more details, see the section on independent study in the college catalog.	S21
<b>LABST 30</b>	<b>Description:</b> The development of basic legal frameworks governing labor-management relations in union, non-union, and public sectors: Rights to organize and bargain collectively; legal framework of grievance/arbitration procedures; overview of protective and income security legislation and agencies.	<b>Description:</b> Development of the basic legal frameworks governing labor-management relations in union, non-union, and public sectors: Rights to organize and bargain collectively; legal framework of grievance/arbitration procedures; overview of protective and income security legislation and agencies.	S21
<b>LABST 456H</b>	<b>Hours:</b> 3-12 Lab  <b>Description:</b> Supervised employment providing opportunities in labor studies or a related field: Develop desirable work	<b>Hours:</b> 3.43-17.15 Lab  <b>Description:</b> Supervised employment providing opportunities in labor studies or a related field: Develop desirable work	S21



	<p>habits, become a productive, responsible individual, and extend education experience with on the job training.</p> <p>Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	<p>habits, become a productive, responsible individual, and extend education experience with on the job training. Students may reenroll for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	
<p><b>LRNRE 294B</b></p>	<p><b>Units:</b> 0.5</p> <p><b>Hours:</b> 0.5 Lec</p>	<p><b>Units:</b> 1</p> <p><b>Hours:</b> 1 Lec</p>	<p>S21</p>
<p><b>LRNRE 294D</b></p>	<p><b>Units:</b> 0.5</p> <p><b>Hours:</b> 0.5 Lec</p>	<p><b>Units:</b> 1</p> <p><b>Hours:</b> 1 Lec</p>	<p>S21</p>
<p><b>LCI 201</b></p>	<p><b>Title:</b> Introduction to Spanish-Language Legal Interpretation</p> <p><b>Units:</b> 3</p> <p><b>Hours:</b> 3 Lec</p> <p><b>Recommended Preparation:</b> SPAN 1A or 22A</p> <p><b>Description:</b> Principles of legal interpretation. Introduction to: the three modes of interpretation (consecutive, simultaneous and sight); essential</p>	<p><b>Title:</b> Introduction to Translation and Interpretation – Spanish</p> <p><b>Units:</b> 4</p> <p><b>Hours:</b> 4 Lec</p> <p><b>Recommended Preparation:</b> POSCI 21, SPAN 22B or 2B</p> <p><b>Description:</b> Principles of translation and interpretation: Introduction to the three modes of interpretation (consecutive, simultaneous and sight);essential terminology used in court proceedings,</p>	<p>F20</p>



	<p>legal terminology used in court proceedings; the court interpreter code of ethics; courtroom protocol; judicial proceedings; differences between the U.S. and Latin American legal systems; the linguistic, cultural and professional expectations in the field of legal interpreting.</p>	<p>health services institutions, and educational environments. Translator and Interpreter code of ethics; protocol; differences between the U.S. and Latin American systems; the linguistic, cultural and professional expectations in the field of translation and interpreting; professional opportunities in the different fields.</p>	
<p><b>LCI 202</b></p>	<p><b>Title:</b> Sight Translation</p> <p><b>Units:</b> 3</p> <p><b>Hours:</b> 3 Lec</p> <p><b>Prerequisite(s):</b> LCI 201</p> <p><b>Recommended Preparation:</b> SPAN 1A or 22A</p>	<p><b>Title:</b> Sight Translation-Spanish</p> <p><b>Units:</b> 4</p> <p><b>Hours:</b> 4 Lec</p> <p><b>Prerequisite(s):</b> LCI 201</p> <p><b>Recommended Preparation:</b> None</p>	<p>F20</p>
<p><b>LCI 203</b></p>	<p><b>Title:</b> Consecutive Interpretation</p> <p><b>Units:</b> 3</p> <p><b>Hours:</b> 3 Lec</p> <p><b>Prerequisite(s):</b> LCI 201</p> <p><b>Recommended Preparation:</b> LCI 202</p> <p><b>Description:</b> Introduction to principles of consecutive interpretation: Development of oral interpretation</p>	<p><b>Title:</b> Consecutive Interpretation-Spanish</p> <p><b>Units:</b> 4</p> <p><b>Hours:</b> 4 Lec</p> <p><b>Prerequisite(s):</b> LCI 201, 202</p> <p><b>Recommended Preparation:</b> None</p> <p><b>Description:</b> Introduction to principles of consecutive interpretation: Development of oral interpretation</p>	<p>F20</p>





	skills, legal vocabulary used in court proceedings and examination of lexical characteristics of Spanish used by participants in the legal process.	skills, vocabulary used in legal, health services, and educational instances, and examination of characteristics of Spanish used by participants in the different official contexts and fields; skills include note-taking.	
<b>LCI 204</b>	<p><b>Title:</b> Simultaneous Interpretation</p> <p><b>Units:</b> 3</p> <p><b>Hours:</b> 3 Lec</p> <p><b>Prerequisite(s):</b> LCI 201</p> <p><b>Recommended Preparation:</b> LCI 202, 203</p> <p><b>Description:</b> Principles of simultaneous interpretation: skills and practices; legal terms used in court proceedings; lexical characteristics of Spanish used by participants in the legal process.</p>	<p><b>Title:</b> Simultaneous Interpretation-Spanish</p> <p><b>Units:</b> 4</p> <p><b>Hours:</b> 4 Lec</p> <p><b>Prerequisite(s):</b> LCI 201, 202</p> <p><b>Recommended Preparation:</b> None</p> <p><b>Description:</b> Principles of simultaneous interpretation: Skills and practices, terminology used in different fields, lexical characteristics of Spanish used by participants in the legal, health services, and educational institutions.</p>	F20
<b>M/SVN 60</b>	<p><b>Description:</b> Introduction to management: Basic responsibilities of management including roles, functions, and primary responsibilities within an organization.</p>	<p><b>Description:</b> Introduction to management: Basic responsibilities of management including roles, functions, and primary responsibilities within an organization. Not open to students who have completed or are currently enrolled in BUS 009.</p>	F20
<b>M/SVN 456I</b>	<p><b>Department:</b> BUS</p> <p><b>Hours:</b> 3-12 Lab</p>	<p><b>Department:</b> M/SVN</p> <p><b>Hours:</b> 3.43-17.15 Lab</p>	S21



	<p><b>Description:</b> Supervised employment providing opportunities in management and supervision or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Course study under this section may be repeated three times for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	<p><b>Description:</b> Supervised employment providing opportunities in management and supervision or a related field: Develop desirable work habits, become a productive, responsible individual, and extend education experience with on the job training. Students may reenroll for a maximum of 16 units for occupational or a combination of general and occupational work experience education (including Regular and Alternate Plan and General/Occupational/Apprentice Work Experience).</p>	
<b>MATH 3A</b>	<p><b>Prerequisite(s):</b> ENGL 1A</p>	<p><b>Prerequisite(s):</b> ENGL 1A or 1AS</p>	S21
<b>MATH 220A</b>	<p><b>Recommended Preparation:</b> MATH 253 or 250 or Math placement exam</p>	<p><b>Recommended Preparation:</b> MATH 253</p>	S21
<b>MATH 221</b>	<p><b>Recommended Preparation:</b> MATH 251A-D or 250</p>	<p><b>Recommended Preparation:</b> None</p>	S21
<b>MEDIA 49</b>	<p><b>Grading:</b> GR</p> <p><b>Description:</b> See section on Independent Study.</p>	<p><b>Grading:</b> GR or P/NP</p> <p><b>Description:</b> In-depth exploration of an area or problem of the student's choice not covered by regular catalog offerings in Media. Student must obtain approval from an appropriate faculty member. For more details, see the section on independent study in the college catalog.</p>	S21
<b>M/LAT 31</b>	<p><b>Grading:</b> GR</p>	<p><b>Grading:</b> GR or P/NP</p>	S21
<b>MUSIC 101</b>	<p><b>Recommended Preparation:</b> Recommended concurrent enrollment in Musicianship I (MUSIC 121) and</p>	<p><b>Recommended Preparation:</b> Recommended concurrent enrollment in Music Skills I (MUSIC 121) and one</p>	S21



	one of the following: Elementary Piano I-IV (MUS 138-141), Intermediate Piano Literature I-IV (MUSIC 142-145) or Jazz Piano (MUSIC 146-149)	of the following: Elementary Piano (MUSIC 130), Intermediate Piano Literature (MUSIC 134) or Jazz Piano (MUSIC 148)	
<b>MUSIC 102</b>	<b>Recommended Preparation:</b> MUSIC 101 or 121 Recommended concurrent enrollment in Music Skills II (MUSIC 122) and one of the following: Elementary Piano I-IV (MUSIC 130-133), Intermediate Piano Literature I-IV (MUSIC 134-137) or Jazz Piano I-IV (MUSIC 138-141)	<b>Recommended Preparation:</b> MUSIC 101 or 121 Recommended concurrent enrollment in Music Skills II (MUSIC 122) and one of the following: Elementary Piano (MUSIC 130), Intermediate Piano Literature (MUSIC 134) or Jazz Piano (MUSIC 148)	S21
<b>MUSIC 103</b>	<b>Recommended Preparation:</b> MUSIC 102 or 122 Recommended concurrent enrollment in Music Skills III (MUSIC 123) and one of the following: Elementary Piano I-IV (MUSIC 130-133), Intermediate Piano Literature I-IV (MUSIC 134-137) or Jazz Piano I-IV (MUSIC 138-141)	<b>Recommended Preparation:</b> MUSIC 102 or 122 Recommended concurrent enrollment in Music Skills III (MUSIC 123) and one of the following: Elementary Piano (MUSIC 130), Intermediate Piano Literature (MUSIC 134) or Jazz Piano (MUSIC 148)	S21
<b>SPFT 86A</b>	<b>Description:</b> Activity class: Basic introduction to flag football skills. Not open for credit to students who have completed or are currently enrolled in KIN 86A.	<b>Description:</b> Activity class: Basic principles and skills in flag football. Not open for credit to students who have completed or are currently enrolled in KIN 86A.	S21
<b>SPFT 86B</b>	<b>Description:</b> Activity class: Fundamental introduction to flag football skills. Not open for credit to students who have completed or are currently enrolled in KIN 86B.	<b>Description:</b> Activity class: Beginning development of flag football skills. Not open for credit to students who have completed or are currently enrolled in KIN 86B.	S21
<b>SPFT 86C</b>	<b>Description:</b> Activity class: Advanced development of flag football skills. Not open for credit to students who have completed or are currently enrolled in KIN 86D.	<b>Description:</b> Activity class: Intermediate development of flag football skills. Not open for credit to students who have completed or are currently enrolled in KIN 86C.	S21
<b>SPFT 86D</b>	<b>Description:</b>	<b>Description:</b>	S21



	Activity class: Intermediate level of introduction of flag football techniques. Not open for credit to students who have completed or are currently enrolled in KIN 86D.	Activity class: Advanced development of flag football skills. Not open for credit to students who have completed or are currently enrolled in KIN 86D.	
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**COURSE DEACTIVATIONS**

<b>DEPT/NO.</b>	<b>COURSE TITLE</b>	<b>EFF</b>
CARP 203	Construction Safety	F21
CARP 204	The Sustainable Built Environment	F21
COUN 200A	Orientation to College	F21
COUN 200B	Orientation to College	F21
COUN 224	College Preparedness	F21
ENGL 201A	Preparation for Composition and Reading	F21
ENGL 201B	Preparation for Composition and Reading	F21
ESOL 52A	Advanced Reading and Writing	F21
ESOL 253A	Reading and Writing 3	F21
KIN 120C	Volleyball III – Intermediate	F21
MATH 250	Arithmetic	F21
MUSIC 143	String Ensemble	F21
PHYS 99	Physics for Building Science	F21



## PROGRAM ADDITIONS

### BIOL

#### **Quality and Regulatory Practices in Biotechnology (CCt BIOL)—effective S21**

The Certificate of Completion in in Quality and Regulatory Practices in Biotechnology (CCt BIOL) prepares students to work in a regulated field. Students will explore concepts related to quality control and quality assurance. Key concepts for product safety and quality include the roles of governmental oversight and regulation during discovery, development and manufacturing of products in validation, documentation and regulatory compliance. Students will gain sufficient mastery of the Quality Book of Knowledge to take the CQIA exam administered by the American Society for Quality (ASQ).

#### **Career Opportunities in:**

Quality Job titles that align with Certifications include Analyst Initiates and coordinates quality-related data from production, service or process improvement activities and reports these data using statistical techniques. Average salary: \$69,98 Associate: Involved in quality improvement projects but not necessarily full time. Does not necessarily have primary responsibility for traditional quality management, assurance or control activities. Average salary: \$59,036 Auditor: Performs and reports on internal or external quality system audits. Average salary: \$76,979 • Average with certification: \$79,264 • Average without certification: \$71,555 Other titles: Calibration Technician, Reliability/Safety Engineer, Inspector, Specialist, SSupplier Quality Enginneer/Professional Technician.

#### **Course Sequence:**

Hrs

#### **Core Courses:**

*Students must complete a minimum of 89.25 class hours*

BIOL 574	Quality Practices in Biotechnology	36.75 - 52.5
BIOL 577	Business and Regulatory Practices in Biomanufacturing	52.5

#### Competency Requirement:

Teacher or department will determine if student has met the competencies of the program and document it.

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#### **Total Hours**

**89.25-105**

#### **Program Learning Outcomes for Quality and Regulatory Practices in Biotechnology CCt:**

#### **Students who achieve associate degrees will be able to:**

- Apply knowledge gained in sufficient mastery of the Quality Body of Knowledge to pass the Certified Quality Improvement Associate exam.

### CULIN

#### **Advanced Culinary Techniques (CA CULIN)—effective F20**

The Advanced Culinary Techniques Certificate of Achievement is designed specifically for culinary industry workers. It is a program of Applied Professional Training meant for hospitality employees, seeking to advance their careers into upper management and/or ownership.

Through individual hands-on practice, team work and personalized guidance by instructors, the Laney College ACT CA program provides students the opportunity to perfect existing skill set, gain hands-on experience with modern international techniques, and gain managerial expertise.

**Career Opportunities in:**

Operational management and/or ownership: Executive Chef, Food and Beverage Director, General Manager, Business Owner.

<b>Course Sequence:</b>		<b>Units</b>
<b>Core Courses (13 units):</b>		
CULIN 41	International Cuisine	7
CULIN 50	Principles of Food, Beverage, and Labor Controls	3
CULIN 51	Supervision in the Hospitality Industry	3
<hr/> <b>Total Required Units</b>		<b>13</b>

**Program Learning Outcomes for Advanced Culinary Techniques CA:****Students who achieve associate degrees will be able to:**

- Apply the concepts and techniques of food safety, sanitation, personal hygiene, and professionalism in food handling, preparation, proper service techniques, and dining room management including the use of commercial equipment and tools.
- Synthesize classical cooking terminology and station organization.
- Apply the procedures in order to run a cost effective food service establishment, including: menu analysis, labor cost, and human resource practices to manage restaurant staff.

**ENGIN****Digital Fabrication Technology - Design and Engineering (CA ENGIN)—effective F20**

Laney College's Engineering and Design focused Digital Fabrication Technology Program prepares graduates for modern Digital Fabrication and Advanced Manufacturing careers in design firms, engineering firms, furniture, cabinet, industrial art, custom installation and parts manufacturing shops. These multi-disciplinary courses emphasize and expand on the fundamentals of computer-assisted design (CAD) and computer-assisted manufacturing (CAM) techniques. Students will learn intermediate and advanced skills in iterative, design oriented thinking by employing rapid prototyping philosophy framed within a creative problem solving mindset. Graduates will leave with the ability to: conceptualize a project, 3D model it in its entirety, create the project using computer numerically controlled (CNC) and advanced manufacturing equipment, rapidly analyze and improve a project through iteration, and finish a project using modern and hand techniques. Engineering and design based thinking will frame the way students approach projects and problems, using skills and techniques in those disciplines to guide solution based problem solving.

**Career Opportunities in:**

CNC operator CNC programmer Part designer Fabricator CAD/CAM specialist Design and fabrication consultant 3D printer operator Digital Fabrication technician Production assistant.

<b>Course Sequence:</b>		<b>Units</b>
<b>Fundamental skills (min 10 units):</b>		
CARP 224A	Digital Fabrication I	2
MACH 210	Machine Technology I	5
ENGIN 10	Introduction to Engineering	3
<b>Computer Assisted Design (min 3 or 4 units):</b>		
MACH 20	CAD Solid Modeling with Solidworks	4



or  
 ENGIN 22      Engineering Graphics      3

or  
 ARCH 125      Digital Tools for Architecture and Design      3

**Further study in Digital Fabrication (min 10 units)**

CARP 224B      Digital Fabrication II      2

MACH 30      Introduction to CNC Programming and CAD/CAM Technology      4

MACH 31      Advanced CNC and CAD/CAM Programming      4

**Continuation and discovery of new disciplines (min 6 units)**

ARCH 142      Digital Craft For Architecture and Design      3

ENGIN 110      Engineering Entrepreneurship      3

**Cooperative Education (min 2 units):**

ENGIN 466J      Occupational Work Experience in Engineering Technology      2

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**Total Required Units**      **31-32**

**Program Learning Outcomes for Digital Fabrication Technology - Design and Engineering CA:**

**Students who achieve associate degrees will be able to:**

- Safety - Demonstrate proper safety protocols of all tools and equipment in the classroom .
- Skills - Students will be able to use modern industrial computer numerically controlled (CNC) equipment to produce projects and apply improvements within the prototyping process using engineering and design principles.
- Materials and Practices - Students will identify, analyze, evaluate and apply the correct materials to the appropriate production parameters creating efficient work flows for projects with optimal material use.

**ESOL**

**ESOL High Beginning (CCy ESOL)—effective F20**

The ESOL High Beginning Certificate of Competency verifies that a student has successfully completed three ESOL core classes (Reading and Writing, Listening and Speaking, and Grammar) at the high beginning level. Students interested in completing this certificate should consult with the ESOL department chair and a counselor.

**Career Opportunities in:**

This certificate will help prepare students for vocational programs and job advancement.

**Course Sequence:**      Hrs

**Core Courses:**

*Students must complete a minimum of 172 class hours*

ESOL 511      Reading and Writing 1      105

ESOL 561      Listening and Speaking 1      70

ESOL 571      Grammar 1      70

**Competency Requirement:**

Teacher or department will determine if student has met the competencies of the program and document it.





**Program Learning Outcomes for ESOL High Beginning CCy:**

**Students who achieve associate degrees will be able to:**

- Demonstrate high beginning skills in English listening, speaking, reading, and/or writing which will allow them to achieve their personal, vocational, and academic goals.

**ESOL High Intermediate (CCy ESOL)—effective F20**

The ESOL High Intermediate Certificate of Competency verifies that a student has successfully completed three ESOL core classes (Reading and Writing, Listening and Speaking, and Grammar) at the high intermediate level. Students interested in completing this certificate should consult with the ESOL department chair and a counselor.

**Career Opportunities in:**

This certificate will help prepare students for vocational programs and job advancement.

**Course Sequence:**

Hrs

**Core Courses:**

*Students must complete a minimum of 172 class hours*

ESOL 513	Reading and Writing	105
ESOL 563	Listening and Speaking	70
ESOL 573	Grammar 3	70
or		
ESOL 574	Grammar 4	70

**Competency Requirement:**

Teacher or department will determine if student has met the competencies of the program and document it.

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**Total Hours**

**172-245**

**Program Learning Outcomes for ESOL High Intermediate CCy:**

**Students who achieve associate degrees will be able to:**

- Demonstrate high intermediate skills in English listening, speaking, reading, and/or writing which will allow them to achieve their personal, vocational, and academic goals.

**ESOL Intermediate (CCy ESOL)—effective F20**

The ESOL High Intermediate Certificate of Competency verifies that a student has successfully completed three ESOL core classes (Reading and Writing, Listening and Speaking, and Grammar) at the high intermediate level. Students interested in completing this certificate should consult with the ESOL department chair and a counselor.

**Career Opportunities in:**

This certificate will help prepare students for vocational programs and job advancement.

**Course Sequence:**

Hrs

**Core Courses:***Students must complete a minimum of 172 class hours*

ESOL 513	Reading and Writing	105
ESOL 563	Listening and Speaking	70
ESOL 573	Grammar 3	70
or		
ESOL 574	Grammar 4	70

Competency Requirement:

Teacher or department will determine if student has met the competencies of the program and document it.

**Total Hours****172-245****Program Learning Outcomes for ESOL Intermediate CCy:****Students who achieve associate degrees will be able to:**

- Demonstrate high intermediate skills in English listening, speaking, reading, and/or writing which will allow them to achieve their personal, vocational, and academic goals.

**MACH****Digital Fabrication Technology – Machine Technology (CA MACH)—effective F20**

Laney College's Machine Technology focused Digital Fabrication Technology Program prepares graduates for modern Digital Fabrication and Advanced Manufacturing careers in industrial art, custom installation and parts manufacturing shops. These multi-disciplinary courses emphasize and expand on the fundamentals of computer-assisted design (CAD) and computer-assisted manufacturing (CAM) techniques within, but not limited to, the machining field. Students will learn intermediate and advanced skills in iterative, design oriented thinking by employing rapid prototyping philosophy framed within a creative problem solving mindset. Graduates will leave with the ability to: conceptualize a project, 3D model it in its entirety, create the project using CNC and advanced manufacturing equipment, rapidly analyze and improve a project through iteration, and finish a project using modern and hand techniques.

**Career Opportunities in:**

CNC operator CNC programmer Part designer Fabricator CAD/CAM specialist Design and fabrication consultant 3D printer operator Digital Fabrication technician Production assistant.

**Course Sequence:**

Units

**Fundamental skills (min 7 units):Credit Hours:**

CARP 224A	Digital Fabrication I	2
MACH 210	Machine Technology I	5

**Computer Assisted Design (min 3 or 4 units):**

MACH 20	CAD Solid Modeling with Solidworks	4
or		
ENGIN 22	Engineering Graphics	3

**Further study in Digital Fabrication (min 10 units):**

CARP 224B	Digital Fabrication II	2
MACH 30	Introduction to CNC Programming and CAD/CAM Technology	4



MACH 31      Advanced CNC and CAD/CAM Programming      4

**Continuation and discovery of new disciplines (min 8 units):**

MACH 220      Machine Technology II      5  
 WDTEC 10      Wood Technology I      3

**Cooperative Education (min 2 units):**

MACH 466L      Occupational Work Experience in Machine Technology      2

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**Total Required Units** **30-31**

**Program Learning Outcomes for Digital Fabrication Technology – Machine Technology CA:**

**Students who achieve associate degrees will be able to:**

- Safety - Demonstrate proper safety protocols of all tools and equipment in the classroom .
- Skills - Students will be able to use modern industrial computer numerically controlled (CNC) equipment to produce projects and apply improvements within the prototyping process using engineering and design principles.
- Materials and Practices - Students will identify, analyze, evaluate and apply the correct materials to the appropriate production parameters creating efficient work flows for projects with optimal material use.

**WDTEC**

**Digital Fabrication Technology – Wood Technology (CA WDTEC)—effective F20**

Laney College's Wood Technology focused Digital Fabrication Technology Program prepares graduates for modern Digital Fabrication and Advanced Manufacturing careers in furniture, cabinet, industrial art, custom installation and parts manufacturing shops. These multi-disciplinary courses emphasize and expand on the fundamentals of computer-assisted design (CAD) and computer-assisted manufacturing (CAM) techniques. Students will learn intermediate and advanced skills skills in iterative, design oriented thinking by employing rapid prototyping philosophy framed within a creative problem solving mindset. Graduates will leave with the ability to: conceptualize a project, 3D model it in its entirety, create the project using computer numerically controlled (CNC) and advanced manufacturing equipment, rapidly analyze and improve a project through iteration, and finish a project using modern and hand techniques.

**Career Opportunities in:**

CNC operator CNC programmer Part designer Fabricator CAD/CAM specialist Design and fabrication consultant 3D printer operator Digital Fabrication technician Production assistant Manufacturing technician Shop fabricator Fabrication technician Fabrication lab manager Advanced manufacturing teacher Shop manager Process engineer Engineering Equipment Technician Makerspace and Instructional Support Technician Sign fabricator Fablab instructor Laser cutter operator.

**Course Sequence:**

<b>Fundamental skills (min 5 units):</b>		Units
CARP 224A	Digital Fabrication I	2
WDTEC 10	Wood Technology I	3

**Computer Assisted Design (min 3 or 4 units):**

MACH 20	CAD Solid Modeling with Solidworks	4
or		
ENGIN 22	Engineering Graphics	3



**Further study in Digital Fabrication (min 6 units):**

CARP 224B	Digital Fabrication II	2
WDTEC 30	CAD/CAM Techniques in the Cabinet-making Industry	4

**Continuation and discovery of new disciplines (min 8 units):**

MACH 210	Machine Technology I	5
WDTEC 20	Wood Technology II	3

**Cooperative Education (min 2 units):**

WDTEC 466N	Occupational Work Experience in Wood Technology	2
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**Total Required Units** **24-25**

**Program Learning Outcomes for Digital Fabrication Technology – Wood Technology CA:**

**Students who achieve associate degrees will be able to:**

- Safety - Demonstrate proper safety protocols of all tools and equipment in the classroom .
- Skills - Students will be able to use modern industrial computer numerically controlled (CNC) equipment to produce projects and apply improvements within the prototyping process using engineering and design principles.
- Materials and Practices - Students will identify, analyze, evaluate and apply the correct materials to the appropriate production parameters creating efficient work flows for projects with optimal material use.



PROGRAM CHANGES			
CHANGE PROGRAM FROM:		CHANGE PROGRAM TO:	
<p><b>ARCH</b> <b>Architecture AS:</b></p> <p><b>Third Semester (11 units):</b> ARCH 33 Architectural Drafting and Design III <b>ARCH 103 Materials of Construction</b> CONMT 32 Materials and Methods of Construction ARCH 121A Introduction to Building Information Modeling (BIM)</p> <p><b>TOTAL UNITS</b></p>	<p>4</p> <p>2</p> <p>3</p> <p>2</p> <p><b>33-34</b></p>	<p><b>ARCH</b> <b>Architecture AS:</b></p> <p><b>Third Semester (9 units):</b> ARCH 33 Architectural Drafting and Design III CONMT 32 Materials and Methods of Construction ARCH 121A Introduction to Building Information Modeling (BIM)</p> <p><b>TOTAL UNITS</b></p>	<p>4</p> <p>3</p> <p>2</p> <p><b>34</b></p>
<p><b>ARCH</b> <b>Architecture CA:</b></p> <p><b>Third Semester (11 units):</b> <b>ARCH 33 Architectural Drafting and Design III</b> <b>ARCH 103 Materials of Construction</b> CONMT 32 Materials and Methods of Construction ARCH 121A Introduction to Building Information Modeling (BIM)</p> <p><b>Fourth Semester (6 units):</b> <b>ARCH 43 Architectural Drafting and Design IV</b> ARCH 121B Advanced Building Information Modeling (BIM)</p> <p><b>TOTAL UNITS</b></p>	<p>4</p> <p>2</p> <p>3</p> <p>2</p> <p>4</p> <p>2</p> <p><b>33-34</b></p>	<p><b>ARCH</b> <b>Architecture CA:</b></p> <p><b>Third Semester (9 units):</b> ARCH 33 Architectural Drafting and Design III CONMT 32 Materials and Methods of Construction ARCH 121A Introduction to Building Information Modeling (BIM)</p> <p><b>Fourth Semester (3 units):</b> ARCH 121B Advanced Building Information Modeling (BIM)</p> <p><b>TOTAL UNITS</b></p>	<p>4</p> <p>3</p> <p>2</p> <p>2</p> <p><b>26</b></p>
<p><b>BIOL</b> <b>Biomanufacturing Production AS:</b></p> <p><b>First Semester (9 units):</b> BIOL 75 Fundamentals of Biotechnology MATH 208 Mathematics for Laboratory Sciences CHEM 30A Introductory General Chemistry</p> <p><b>Second Semester (7-8 units):</b> BIOL 3 Microbiology or BIOL 73 Cell Culture Principles and Techniques BIOL 76 Principles of Biomanufacturing</p>	<p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>4</p> <p>3</p>	<p><b>BIOL</b> <b>Biomanufacturing Production AS:</b></p> <p><b>First Semester (4-10 units):</b> BIOL 75* Fundamentals of Biotechnology MATH 208* Mathematics for Laboratory Sciences CHEM 30A Introductory General Chemistry or <b>CHEM 1A General Chemistry</b></p> <p><b>Second Semester (7-10 units):</b> BIOL 3 Microbiology or</p>	<p>2</p> <p>3</p> <p>4</p> <p><b>5</b></p> <p>5</p>



<p><b>Third Semester (7 units):</b>          BIOL 72A Biotech Instrumentation: Good Manufacturing Practices and Safe Chemical Handling          BIOL 72B Biotech Instrumentation: Clean Room          BIOL 72C Biotech Instrumentation: PCR          BIOL 72D Biotech Instrumentation: Protein Purification and Quality Control          BIOL 74 Scientific Communication</p> <p><b>Fourth Semester (7 units):</b>          BIOL 77 Business and Regulatory Practices in Biomanufacturing          BIOL 79 Bioreactor Cell Culture and Protein Recovery</p> <p><b>TOTAL UNITS</b></p>	<p>1 1 1 1 3</p> <p>3 4</p> <p>30-31</p>	<p>BIOL 73 Cell Culture Principles and Techniques          BIOL 76* Principles of Biomanufacturing          BIOL 78* Applied Biomanufacturing Technology with Laboratory</p> <p><b>Third Semester (7 units):</b>          BIOL 72A Biotech Instrumentation: Good Manufacturing Practices and Safe Chemical Handling          BIOL 72B Biotech Instrumentation: Clean Room          BIOL 72C Biotech Instrumentation: PCR          BIOL 72D Biotech Instrumentation: Protein Purification and Quality Control          BIOL 74 Scientific Communication</p> <p><b>Fourth Semester (7 units):</b>          BIOL 77 Business and Regulatory Practices in Biomanufacturing          BIOL 79 Bioreactor Cell Culture and Protein Recovery</p> <p><b>TOTAL UNITS</b></p> <p>*: BIOL 78 can be taken in lieu of all three of the following courses: BIOL 75, BIOL 76, and Math 208</p>	<p>4 3 5</p> <p>1 1 1 1 3</p> <p>3 4</p> <p>27-32</p>
<p><b>CARP</b>  <b>Advanced Carpentry AS:</b></p> <p><b>Core Courses (22-23 units):</b>          CARP 223 CAL-OSHA 30-Hour Construction Industry Training for Carpentry</p>	<p>2</p>	<p><b>CARP</b>  <b>Advanced Carpentry AS:</b></p> <p><b>Core Courses (22-23 units):</b>          CARP 223 OSHA 30-Hour Construction Safety Training</p>	<p>2</p>
<p><b>CARP</b>  <b>Advanced Carpentry CA:</b></p> <p><b>Core Courses (22-23 units):</b>          CARP 223 CAL-OSHA 30-Hour Construction Industry Training for Carpentry</p>	<p>2</p>	<p><b>CARP</b>  <b>Advanced Carpentry CA:</b></p> <p><b>Core Courses (22-23 units):</b>          CARP 223 OSHA 30-Hour Construction Safety Training</p>	<p>2</p>
<p><b>CARP</b>  <b>Carpentry CA:</b></p> <p><b>Core Courses (22-23 units):</b>          CARP 223 CAL-OSHA 30-Hour Construction Industry Training for Carpentry</p>	<p>2</p>	<p><b>CARP</b>  <b>Carpentry CA:</b></p> <p><b>Core Courses (22-23 units):</b>          CARP 223 OSHA 30-Hour Construction Safety Training</p>	<p>2</p>
<p><b>LCI</b>  <b>Legal and Community Interpreting CA:</b></p> <p><b>Core Courses (18 units):</b></p>		<p><b>LCI</b>  <b>Translating and Interpreting—Spanish CA:</b></p> <p><b>Core Courses (16 units):</b></p>	



<p><b>First Semester (6 units):</b>          LCI 201 Introduction to Spanish-Language Legal Interpretation          POSCI 21 Overview of the California Court System and State Law</p> <p><b>Second Semester (6 units):</b>          LCI 202 Sight Translation          LCI 203 Consecutive Interpretation</p> <p><b>Third Semester (6 units):</b>          LCI 204 Simultaneous Interpretation          LCI 206 Preparation for the California Court Interpreter Exam</p> <p>Select one course from the following (3-5 units):          POSCI 6 The U.S. Constitution and Criminal Due Process          SPAN 22A Spanish for Bilingual Speakers I          SPAN 22B Spanish for Bilingual Speakers II</p> <p><b>TOTAL UNITS</b></p>	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>21-22</p>	<p>LCI 201 Introduction to Translation and Interpretation – Spanish          LCI 202 Sight Translation-Spanish          LCI 203 Consecutive Interpretation-Spanish          LCI 204 Simultaneous Interpretation-Spanish</p> <p>Spanish proficiency required.</p> <p><b>TOTAL UNITS</b></p>	<p>4</p> <p>4</p> <p>4</p> <p>4</p> <p>16</p>
<p><b>PSYCH</b>  <b>Psych AAT:</b></p> <p><b>Select two of the following (min 6 units):</b>          PSYCH 6 Social Psychology          PSYCH 7A Psychology of Childhood          PSYCH 21 Lifespan Human Development          PSYCH 24 Abnormal Psychology          PSYCH 12 Human Sexuality          or          BIOL 27 Human Sexuality          SOC 1 Introduction to Sociology</p>	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	<p><b>PSYCH</b>  <b>Psych AAT:</b></p> <p><b>Select two of the following (min 6 units):</b>          PSYCH 6 Social Psychology          PSYCH 7A Psychology of Childhood          PSYCH 21 Lifespan Human Development          PSYCH 24 Abnormal Psychology          PSYCH 12 Human Sexuality          or          BIOL 27 Human Sexuality          SOC 1 Introduction to Sociology          PSYCH 26 Culture and Psychology</p>	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>



LANEY COLLEGE

CATALOG WINTER SUPPLEMENT 2020-2021



