



Curriculum

Proposal MINUTES

Wednesday, October 1, 2025 1:30 - 4:30pm

Building 2400: Room 107

NEW COURSES					
COURSE ID	PROPOSAL TYPES	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
MACH 153 F. Mastercam Multi Axis Units: 3 Lecture: 2.5 Laboratory: 1.5 MSU DE: MSU REQ: MSU	Prerequisite: MACH 150 F	20	Feedback/Evaluation - Labs in which the instructor provides extensive individualized feedback/evaluation on a regular basis. (e.g. problem sets, scientific experiments, vocational skills, lab reports). Maximum number of students allowed at this time for safety concerns and per request of advisory committee. See Advisory meeting minutes for class size justification of 20.	2026 Fall	This new MACH 153 F class adds multi axis instruction. The new 153 F class is intended for certificate students and for students wishing to transfer and continue their studies in the field of manufacturing; engineering; or industrial arts at a 4 year institution.
PHIL 361 F. Technology and Ethics Units: 3 Lecture: 3 Laboratory: 0 MSU DE: MSU	Prerequisites: NONE	35 25	Lecture /Discussion/ Group Learning / Student Presentations/Individualized Instruction. While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Class time focuses on individualized instruction. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding,	2026 Fall	New course for the Bachelor of Science Degree in Drone and Autonomous Systems

			structure, style and mechanics.		
SOC 201HF. Honors Dying and Death Units: 3 Lecture: 3 Laboratory: 0 MSU as a BLOCK DE as a BLOCK: MSU GE as a BLOCK	Prerequisites: NONE	25	The Fullerton College Honors Advisory Board recommends a class size of 25, to encourage a seminar environment, in which there is extensive instructor-student interaction, as well as extensive interaction between students.	2027 Fall	This new honors course will enhance our existing program. Proposing for AA GE Area 4 and Cal-GETC Area 4.
SOC 250HF. Honors Sociology of Aging Units: 3 Lecture: 3 Laboratory: 0	Prerequisites: NONE	25	The Fullerton College Honors Advisory Board recommends a class size of 25, to encourage a seminar environment, in which there is extensive instructor-student interaction, as well as extensive interaction between students.	2027 Fall	This new honors course will enhance our program and our current course offerings. Proposing for AA GE Area 4 and Cal-GETC Area 4.
SOC 280HF. Honors Media, Culture and Society Units: 3 Lecture: 3 Laboratory: 0	Prerequisites: NONE	25	The Fullerton College Honors Advisory Board recommends a class size of 25, to encourage a seminar environment, in which there is extensive instructor-student interaction, as well as extensive interaction between students.	2027 Fall	New honors course to enhance our program. Proposed for AA GE Area 4 and Cal-GETC Area 4.

REVISED COURSES					
COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
IDES 100 F. Fundamentals of Interior Design Units: 3 Lecture: 3 Laboratory: 0 MSU DE: MSU	- Add Distance Education (online synchronous) - Textbooks - Course Content (that do not change the overall scope of the course) - Student Learning Outcomes - Method of Instruction - Method of Evaluation - Assignments Revision - Catalog Description Update - Schedule Description Update - Six-Year Review	25 35	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2026 Fall	Six-Year Review. Add Distance Education (online synchronous) Changing class size to 35.

	Objectives Revision Transfer: CSU Transfer Course				
IDES 105 F Interior Design Studio I Units: 2 Lecture: 1 Laboratory: 3 TABLED	- Add Distance Education (online synchronous) - Remove Distance Education (online asynchronous) - Textbooks - Course Content (that do not change the overall scope of the course) - Student Learning Outcomes - Method of Instruction - Method of Evaluation - Assignments Revision - Catalog Description Update - Schedule Description Update - Corequisite Addition - Advisory Revision - Six-Year Review - Objectives Revision - Basic Skills Status Revision Transfer: CSU Transfer Course	25	Most of the time the students are engaged in practicing the skills they are learning and the instructor gives each student individual instruction as the class proceeds.	2026 Fall	Six-Year Review. Add Distance Education (online synchronous)
IDES 110 F. Drafting for Interior Design Units: 3 Lecture: 2 Laboratory: 3 MSU DE: MSU	- Add Distance Education (online synchronous) - Remove Distance Education (online asynchronous) - Textbooks - Course Content (that do not change the overall scope of the course) - Student Learning Outcomes - Method of Instruction - Method of Evaluation - Assignments Revision - Catalog Description Update - Schedule Description Update - Six-Year Review - Objectives Revision Transfer: CSU Transfer Course	25	For the majority of the class period the students are engaged in practicing the skills they are learning and the instructor gives each student individual instruction as the class proceeds.	2026 Fall	Six-Year Review. Add Distance Education (online synchronous).
IDES 130 F. Applied Color and Design Theory Units: 3 Lecture: 2 Laboratory: 3	- Add Distance Education (online synchronous) - Remove Distance Education (online asynchronous) - Course Unit Revision - Textbooks	25	Most of the time the students are engaged in practicing the skills they are learning and the instructor gives each student individual	2026 Fall	Six-Year Review. WSCH revised FROM 3 hours lecture and 3 hours lab TO 2 hours lecture and 3 hours lab. Units revised FROM 4 units TO 3

MSU DE: MSU	- Course Content (that do not change the overall scope of the course) - Student Learning Outcomes - Method of Instruction - Assignments Revision - Hours (WSCH Lecture and/or Lab) - Catalog Description Update - Schedule Description Update - Six-Year Review - Objectives Revision - Unit Revision		instruction as the class proceeds.		units. Impacted programs include: Interior Design Assistant Certificate, Residential Interior Design Certificate, Commercial Interior Design Certificate, Interior Design Associate in Science Degree, and Image Consultant Certificate.
	Transfer: CSU Transfer Course				
IDES 150 F. Interior Materials and Products Units: 4 Lecture: 4 Laboratory: 0 MSU DE: MSU	- Add Distance Education (online synchronous) - Textbooks - Course Content (that do not change the overall scope of the course) - Student Learning Outcomes - Method of Instruction - Method of Evaluation - Assignments Revision - Six-Year Review - Objectives Revision	35	The instructor gives lectures accompanied with PPT. presentations and videos as reference. Formal lectures alternate with student-centered discussions, group learning, and student presentations.	2026 Fall	Six-Year Review. Add Distance Education (online synchronous)
	Transfer: CSU Transfer Course				
IDES 170 F. Space Planning I Units: 3 Lecture: 2 Laboratory: 3 MSU DE: MSU REQ: MSU	- Add Distance Education (online synchronous) - Remove Distance Education (online asynchronous) - Textbooks - Course Content (that do not change the overall scope of the course) - Student Learning Outcomes - Method of Instruction - Method of Evaluation - Assignments Revision - Catalog Description Update - Schedule Description Update - Prerequisite Revision - Advisory Addition - Six-Year Review - Class Size Revision - Objectives Revision - Basic Skills Status Revision	30 25	Most of the time the students are engaged in practicing the skills they are learning and the instructor gives each student individual instruction as the class proceeds.	2026 Fall	Six-Year Review. Class size revised FROM 30 TO 25. Addition of DE Online (Syn). Changing class size FROM 30 TO 25.
	Transfer: CSU Transfer Course				

IDES 175 F. Space Planning II Units: 3 Lecture: 2 Laboratory: 3 MSU DE: MSU REQ: MSU	• Add Distance Education (online synchronous) • Remove Distance Education (online asynchronous) • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Schedule Description Update • Prerequisite Addition • Prerequisite Revision • Advisory Revision • Six-Year Review Transfer: CSU Transfer Course	25	Most of the time the students are engaged in practicing the skills they are learning and the instructor gives each student individual instruction as the class proceeds.	2026 Fall	Six-Year Review. Add Distance Education (online synchronous).
IDES 180 F. History of Architecture and Furnishings I Units: 3 Lecture: 3 Laboratory: 0 MSU DE: MSU	• Add Distance Education (online synchronous) • Remove Distance Education (hybrid) • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Schedule Description Update • Six-Year Review • Objectives Revision GE: (old) Associate Degree General Education Requirements Area C1: Arts and Humanities - Visual Arts, Music, Theatre and Dance Transfer: Associate Degree GE Requirements (beginning Fall 2025) Area 3: Arts and Humanities Transfer: CSU Transfer Course	30 35	Instruction focuses on individualized instruction and critique of each students' submittals. Writing assignments are assessed for critical thinking, conceptual understanding and accuracy.	2026 Fall	Six-Year Review. Changing class size FROM 30 TO 35.
IDES 190 F. History of Architecture and Furnishings II	• Add Distance Education (online synchronous) • Textbooks • Student Learning Outcomes • Method of Instruction	30 35	Class time focuses on individualized instruction, student presentation time, and/or group	2026 Fall	Six-Year Review. Add Distance Education (online synchronous)

Units: 3 Lecture: 3 Laboratory: 0 MSU DE: MSU	• Method of Evaluation • Assignments Revision • Catalog Description Update • Schedule Description Update • Advisory Validation • Six-Year Review • Objectives Revision Transfer: CSU Transfer Course		learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.		Changing class size FROM 30 TO 35.
IDES 200 F. 3D Rendering Basics Units: 2 Lecture: 1 Laboratory: 3 MSU DE: MSU	• Add Distance Education (online synchronous) • Course Title Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Schedule Description Update • Advisory Revision • Six-Year Review • Objectives Revision • Title Revision with Program Impacts (LIST Programs in Justification) Transfer: CSU Transfer Course	25	Most of the time the students are engaged in practicing the skills they are learning. The instructor gives each student individual instruction as the class proceeds.	2026 Fall	Six-Year Review. Course Title Revision FROM "Interior Illustration I" TO "3D Rendering Basics." The following programs will reflect the title change: Interior Design Assistant Certificate; Residential Interior Design Certificate; Commercial Interior Design Certificate; Interior Design Associate in Science Degree. Add Distance Education (online synchronous)
IDES 210 F. Fundamentals of Lighting Units: 3 Lecture: 3 Laboratory: 0 MSU DE: MSU	• Add Distance Education (online synchronous) • Remove Distance Education (online asynchronous) • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Schedule Description Update • Advisory Addition • Six-Year Review • Objectives Revision	30 25	Most of the time students are engaged in practicing the skills they are learning and the instructor gives each student individual instruction as the class proceeds. USE IDES 150 JUSTIFICATION	2026 Fall	Six-Year Review. Add Distance Education (online synchronous). Changing class size FROM 30 TO 25.

	Transfer: CSU Transfer Course				
IDES 215 F. Interior Design Studio II Units: 2 Lecture: 1 Laboratory: 3 MSU DE: MSU	- Add Distance Education (online synchronous) - Remove Distance Education (online asynchronous) - Textbooks - Student Learning Outcomes - Method of Instruction - Catalog Description Update - Schedule Description Update - Prerequisite Revision - Advisory Revision - Six-Year Review - Objectives Revision Transfer: CSU Transfer Course	25	Most of the time the students are engaged in research and problem solving. The instructor gives each student individual instruction as the class proceeds.	2026 Fall	Six-Year Review. Add Distance Education (online synchronous).
IDES 220 F. Building Codes, Construction Basics and Systems Units: 3 Lecture: 3 Laboratory: 0 MSU DE: MSU	- Add Distance Education (online synchronous) - Course Title Revision - Textbooks - Course Content (that do not change the overall scope of the course) - Student Learning Outcomes - Method of Instruction - Method of Evaluation - Catalog Description Update - Schedule Description Update - Prerequisite Addition - Advisory Revision - Six-Year Review - Objectives Revision - Basic Skills Status Revision - Title Revision with Program Impacts (LIST Programs in Justification) Transfer: CSU Transfer Course	25 35	For the majority of the time the students are engaged in practicing the skills they are learning and the instructor gives group and individual instructions as the class proceeds. Projects/assignments are assessed for critical thinking, conceptual understanding, presentation, and the accuracy of technical applications.	2026 Fall	Six-Year Review. -Prerequisite Addition - Course Title Revision FROM "Interior Design Building Codes" TO "Building Codes, Construction Basics and Systems." - The following programs will reflect the title change: Residential Interior Design Certificate; Commercial Interior Design Certificate; Interior Design Associate in Science Degree. Add Distance Education (online synchronous)
IDES 225 F. Advanced 3D Modeling and Rendering Units: 2 Lecture: 1 Laboratory: 3 MSU	- Add Distance Education (online synchronous) - Remove Distance Education (online asynchronous) - Course Title Revision - Textbooks - Course Content (that do not change the overall scope of the course) - Student Learning Outcomes - Method of Instruction - Method of Evaluation	25	Most of the time the students are engaged in practicing the skills they are learning and the instructor gives each student individual instruction as the class proceeds.	2026 Fall	Six-Year Review. Course Title Revision FROM "Interior Illustration II" TO "Advanced 3D Modeling and Rendering." The following programs will reflect the title change: Interior Design Assistant

DE: MSU	• Assignments Revision • Catalog Description Update • Schedule Description Update • Advisory Revision • Six-Year Review • Objectives Revision • Title Revision with Program Impacts (LIST Programs in Justification)				Certificate; Residential Interior Design Certificate; Commercial Interior Design Certificate; Interior Design Associate in Science Degree. Add Distance Education (online synchronous)
Transfer: CSU Transfer Course					
IDES 230 F. Business and Professional Practice Units: 3 Lecture: 3 Laboratory: 0 MSU DE: MSU	• Add Distance Education (online synchronous) • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Objectives Revision	30 25	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2026 Fall	Six-Year Review. Add Distance Education (online synchronous).
Transfer: CSU Transfer Course			USE IDES 150 F JUSTIFICATION		
IDES 240 F. Interior Design Internship Units: 2-4 Lecture: 1 Laboratory: 3-9 MSU DE: MSU	• Add Distance Education (online synchronous) • Remove Distance Education (online asynchronous) • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Prerequisite Addition • Six-Year Review • Objectives Revision • Basic Skills Status Revision	25	Classes in which the instructor coordinates internship/field practice opportunities and monitors students individually at different locations.	2026 Fall	Six-Year Review. Add Distance Education (online synchronous)
Transfer: CSU Transfer Course			USE IDES 200 F JUSTIFICATION		

IDES 260 F. Digital Imaging Enhancement and Portfolio Development Units: 2 Lecture: 1 Laboratory: 3 MSU DE: MSU	• Add Distance Education (online synchronous) • Course Title Revision • Add Distance Education (hybrid) • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Schedule Description Update • Advisory Revision • Six-Year Review • Objectives Revision • Title Revision with Program Impacts (LIST Programs in Justification) Transfer: CSU Transfer Course	25	Most of the time the students are engaged in practicing the skills they are learning. The instructor gives each student individual instruction as the class proceeds.	2026 Fall	Six-Year Review. - Course Title Revision FROM "Interior Illustration III" TO "Digital Imaging Enhancement and Portfolio Development." - The following programs will reflect the title change: Residential Interior Design Certificate; Commercial Interior Design Certificate; Interior Design Associate in Science Degree. Add Distance Education (hybrid). Add Distance Education (online synchronous).
JOUR 101 F. Reporting and Writing Units: 3 Lecture: 3 Laboratory: 0 MSU DE: MSU REQ: MSU	• Add Distance Education (online synchronous) • Textbooks • Course Content (that do not change the overall scope of the course) • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Schedule Description Update • Prerequisite Deletion • Six-Year Review • FSA Code Revision • Objectives Revision GE: (old) Associate Degree General Education Requirements Area A1: Language and Rationalty - Written Communications Transfer: Associate Degree GE Requirements (beginning Fall 2025) Area 1A: English Composition Transfer: UC/CSU Transfer Course	25 35	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds. USE IDES 150 F JUSTIFICATION	2026 Fall	Six-Year Review. We are undergoing six-year review and updating the course to match industry standards. Add Distance Education (online synchronous).

MACH 154 F CNC Programming Using CAM Units: 3 Lecture: 2.5 Laboratory: 1.5 TABLED	• Textbooks • Course Content (that do not change the overall scope of the course) • Assignments Revision • Catalog Description Update • Schedule Description Update • Six-Year Review • Objectives Revision • Title Revision with Program Impacts (LIST Programs in Justification) Transfer: CSU Transfer Course	20	Students in this course use machine tools with 3 axes or more to cut metal parts in a lab. These machines tools have rotating metal cutters as well as rotating parts which can present a significant danger to students if safe methods and procedures are not used hence proper supervision of students is a must. Unsafe or incorrect methods or procedures can result in finger, limb, eye, or other injuries. Maximum number of students allowed for safety concerns and per the request of the advisory committee is 20. This number is also in alignment with the National Science Teacher Association Safety Advisory Board Study in 2014 which shows that injuries increase dramatically with class sizes above 20.	2026 Fall	Six-Year Review. Revising course to remove the word "SURFCAM" and replace with "CAM". Title revised FROM Programming Using Surfcam TO Programming Using CAM. The following Programs/Certificates are impacted: Industrial Drafting Associate in Science Degree, Industrial Drafting — Level I Certificate, Manufacturing Technology Associate in Science Degree; Industrial Drafting — Level II Certificate; Computer Numerical Control (CNC) Certificate; Surfcam Skills Certificate (being revised to replace the word "Surfcam" with the words Computer Aided Manufacturing.)
MACH 156 F Advanced CNC Programming Using CAM Units: 3 Lecture: 2.5 Laboratory: 1.5 TABLED	• Textbooks • Assignments Revision • Catalog Description Update • Schedule Description Update • Prerequisite Revision • Six-Year Review • Objectives Revision • Title Revision with Program Impacts (LIST Programs in Justification) Transfer: CSU Transfer Course	20	Students in this course use machine tools with 3 axes or more to cut metal parts in a lab. These machines tools have rotating metal cutters as well as rotating parts which can present a significant danger to students if safe methods and procedures are not	2026 Fall	Six year review. Revising course to remove the word "SURFCAM" and replace with "CAM". The following Programs/Certificates are impacted: Manufacturing Technology Associate in Science Degree; Industrial Drafting — Level II Certificate; Computer Numerical

			used hence proper supervision of students is a must. Unsafe or incorrect methods or procedures can result in finger, limb, eye, or other injuries. Maximum number of students allowed for safety concerns and per the request of the advisory committee is 20. This number is also in alignment with the National Science Teacher Association Safety Advisory Board Study in 2014 which shows that injuries increase dramatically with class sizes above 20.		Control (CNC) Certificate; Surfcam Skills Certificate (being revised to replace the word "Surfcam" with the words Computer Aided Manufacturing.)
TECH 081 F. Technical Mathematics I Units: 3 Lecture: 3 Laboratory: 0 MSU DE: MSU	• Add Distance Education (online synchronous) • Remove Distance Education (online asynchronous) • Textbooks • Assignments Revision • Six-Year Review	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure. USE IDES 150 F JUSTIFICATION	2026 Fall	Six-Year Review. Add Distance Education (online synchronous)
THEA 191 F. Beginning Musical Theatre Ensemble Voice Units: 2 Lecture: 1 Laboratory: 3	• Grading Options Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Evaluation • Assignments Revision • Hours (WSCH Lecture and/or Lab)	25	The instructor of this class provides extensive individualized feedback and evaluation of presented movement work as well as individualized	2026 Fall	Six-Year Review. WSCH revised FROM 0 hours lecture and 3 hours lab TO 1 hour lecture and 3 hours lab. Units revised FROM 1 unit TO 2 units. This unit load is being revised to give

MSU CO-REQ: MSU	• Catalog Description Update • Schedule Description Update • Corequisite Deletion • Six-Year Review • Objectives Revision • Unit Revision Transfer: UC/CSU Transfer Course		instruction as students are taught choreography and theatrical staging techniques. The instructor also monitors each group of students as they rehearse and perform.	more time to theory instruction. The time allotted doesn't currently allow enough time for the objectives and outcomes to be met. Textbook addition to the curriculum. We also removed the corequisite of THEA 191 F as it will be offered every semester and students may choose to take it concurrently with THEA 185 F, THEA 186 F or THEA 187 F. Removing the Corequisite of THEA 184 F as it can be taken during any semester term.
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DEACTIVATION OF COURSES		
COURSE ID	EFF DATE	JUSTIFICATION
ARCH 227 F Internship in Architecture TABLED	2026 Fall	Deactivation of course. Replacing this course with TECH 295F.
TECH 080 F. Federal Aviation Administration Drone Pilot Test Preparation MSU as a BLOCK	2026 Fall	Course Deactivation with impacts. See attached DRON Spreadsheet for course numbering.
TECH 095 F. FPV Drone Piloting	2026 Fall	Course Deactivation with no impacts. See attached DRON Spreadsheet for course numbering.
TECH 140 F. Basic Drone Maintenance and Repair	2026 Fall	COURSE DEACTIVATION. A new course, using the DRON prefix, will take its place.
TECH 150 F. Basic Drone Piloting	2026 Fall	Course Deactivation with impacts. See attached DRON Spreadsheet for course numbering.
TECH 151 F Applied Drone Piloting	2026 Fall	Course Deactivation with impacts. See attached DRON Spreadsheet for course numbering.
TECH 155 F. Applied Drone Lab	2026 Fall	Course Deactivation with impacts. See attached DRON Spreadsheet for course numbering.
TECH 158 F. Advanced Drone Piloting Skills	2026 Fall	Course Deactivation with impacts. See attached DRON Spreadsheet for course numbering.

TECH 159 F. Counter Drone Operations	2026 Fall	Course Deactivation with no impacts. See attached DRON Spreadsheet for course numbering.
TECH 160 F. Infrared Thermography	2026 Fall	Course Deactivation with impacts. See attached DRON Spreadsheet for course numbering.
TECH 165 F. Aerial Mapping and Photogrammetry	2026 Fall	Course Deactivation with impacts. See attached DRON Spreadsheet for course numbering.
WELD 091AF. Industrial Welding Fundamentals	2026 Fall	Course Deactivation with impacts. This course is being replaced by WELD 101 F

MSU

NEW DEGREES/CERTIFICATES			
DEGREE	ACTION TAKEN	EFF DATE	JUSTIFICATION
Architecture. MSU	Architecture Historic Preservation Certificate The Architecture Historic Preservation Certificate is designed to provide students a basic familiarity with the origins, history, philosophies, theories, practices and sustainability of design in historic preservation. This certificate requires a total of 25 units. A grade of C or better is required in each course taken. Required Courses (19 units): Units ANTH 103 F or Introduction to Archaeology 3 OR ANTH 103HF Honors Introduction to Archaeology 3 ARCH 115 F Architecture Digital Graphics 3 ARCH 116 F Introduction to Historic Preservation 3 ARCH 228 F Sustainable Architectural Design 4 IDES 180 F History of Architecture and Furnishings I 3 IDES 190 F History of Architecture and Furnishings II 3 Restricted Electives (6 units): Units ARCH 924 F Architectural CAD II Beginning Revit 3 CSTR 035 F California Accessibility and Energy Codes 3 DRON 105 F Applied Drone Piloting 3	2026 Fall	Provide knowledge in historical structures, current trends of preservation, historic building code and sustainability in historic buildings. No local community colleges offer this certificate or courses in historic preservation.

	Total Units 25		
Drone Technology. MSU	Autonomous Industrial Inspection Certificate The Autonomous Industrial Inspection Certificate prepares students for careers in advanced industrial inspection using cutting-edge autonomous technologies. Students will gain practical and theoretical expertise in deploying drones, robots, and other autonomous systems for industrial inspection applications. Core topics include thermal imaging and certification, welding inspection techniques, and the integration of robotics for non-destructive testing and evaluation. Students who complete this certificate will be equipped with will be equipped with industry-relevant certifications and the skills needed to excel in safety-critical inspection roles across various sectors. This certificate requires 12 units. A grade of C or better is required in each course taken. Required Courses (12 Units): Units DRON 101 F Basic Drone Piloting 2 DRON 120 F Infrared Thermal Imaging Level 1 2 DRON 150 F Autonomous Industrial Inspection 3 WELD 240 F Welding Inspection 5 Total Units 12	2026 Fall	Training students for utilizing technology for tomorrow's industrial inspection.
Drone Technology. MSU	Drone Applications for Marine and Environmental Research Certificate The Drone Applications for Marine and Environmental Research Certificate equips students with the knowledge and hands-on skills needed to utilize drones in marine and coastal environments effectively. This program explores the innovative use of drone technology in marine biology, coastal environmental monitoring, and ecological research. This certificate requires a total of 19-21 units. A grade of C or better is required in each course taken. Required Courses (15 units): Units BIOL 141 F Marine Mammal Biology and Conservation 3 BIOL 222 F Marine Biology 3 DRON 105 F Applied Drone Piloting	2026 Fall	California is home to many organizations and agencies that utilize drones for marine biology and environmental research. The Drone program has many partnerships with marine research organizations.

	3 DRON 145 F Beginning ROV Piloting 3 ESC 130 F Introduction to Oceanography 3 or ESC 130HF Honors Introduction to Oceanography 3 Restricted Electives (4-6 units): Units DRON 120 F Infrared Thermal Imaging Level 1 2 DRON 130 F Aerial Mapping and Photogrammetry 3 DRON 170 F Introduction to LiDAR Acquisition 3 ENVS 142 F Geology and Marine Biology of the Channel Islands 2 ESC 110 F Introduction to Climate Science 3 ESC 230 F Coastal Oceanography 3 Total Units 19 - 21		
Drone Technology. MSU	Drone Cinematics and Visual Storytelling Certificate The Drone Cinematics and Visual Storytelling Certificate prepares students to master the art and science of creating compelling visual content using drone technology. This program provides comprehensive training in drone regulations, piloting skills, and the technical and creative aspects of aerial cinematography and storytelling. Students will gain hands-on experience in photography, cinematography, video editing, and advanced aerial content creation techniques. This program will equip students with the technical proficiency, creative vision, and regulatory knowledge required for a career in aerial visual media. This certificate requires 18-19 units. A grade of C or better is required in each course taken. Required Courses (13 Units): Units DRON 095 F FPV Drone Piloting 1 DRON 105 F Applied Drone Piloting 3 DRON 115 F Aerial Imaging and Storytelling 3 DRON 130 F Aerial Mapping and Photogrammetry	2026 Fall	Photography and visual content creation is a major industry for Drone Technology. This certificate provides the skills needed to prepare students for careers in aerial visuals.

	3 PHOT 101 F Introduction to Photography 3 Restricted Electives (5-6 Units): Units CRTV 157 F Digital Production/Non-Linear Editing for Video/Film 3 CRTV 164 F Advanced Digital Production/Non-Linear Editing for Video 3 DART 180 F Digital Video 3 DART 181 F Advanced Digital Video 3 DART 182 F Motion Graphics and Special Effects 3 DRON 130 F Aerial Mapping and Photogrammetry 3 DRON 201 F Advanced Drone Piloting Skills 2 JOUR 210 F Multimedia Reporting 3 PHOT 103 F Intermediate Photography 3 PHOT 217 F Applied Digital Photography 3 PHOT 224 F Business Practices for Photography 3 PHOT 228 F Introduction to Adobe Photoshop for Photographers 3 Total Units 18 - 19		
Drone Technology. MSU	Drone Maintenance and Repair Technician Certificate The Drone Maintenance and Repair Technician Certificate trains students on the skills needed to repair and maintain small uncrewed aerial systems. It will also provide them knowledge on safe operations of an sUAV in use for the commercial uncrewed aerial industry. Students will learn all the components of UAVs and how to repair them. They will also have the opportunity to earn their FAA Part 107 Remote Pilot Certificate before earning this certificate. This certificate requires a total of 18 units. A grade of C or better is required in each course taken. Required Courses (18 units): Units CIS 201 F Introduction to Python Programming	2026 Fall	There is industry demand and the growth in drone use (supported COE data). The creation of this certificate was funded by grant awarded to FC by the FAA to develop the repair technician program.

	3 DRAF 944 F Solidworks 3 DRON 101 F Basic Drone Piloting 2 DRON 140 F Basic Drone Maintenance and Repair 3 DRON 240 F Advanced Drone Maintenance 3 DRON 255 F Applied Drone Lab 2 TECH 131 F Basic Electricity and Basic Electronics 2 Total Units 18		
Drone Technology. MSU	Drone and Autonomous Systems Bachelor of Science Degree The Drone and Autonomous Systems Bachelor of Science Degree is designed to equip students with the skills and knowledge necessary to thrive in the rapidly evolving field of uncrewed aerial vehicles (UAVs) and autonomous systems. This interdisciplinary program integrates theoretical coursework with hands-on training, providing students with a comprehensive understanding of the technologies, regulations, and applications associated with drones and autonomous systems. Students will gain hands-on experience in utilizing, programming and with applications involving drones, and managerial skills for operations. The curriculum also covers legal and ethical considerations, ensuring graduates are well-versed in the regulatory landscape surrounding drone operations, and helps students develop a strong foundation on drone and autonomous systems. This degree requires 86 units, in addition to other graduation requirements. Lower Division Required Courses (25 units): Units CIS 201 F Introduction to Python Programming 3 CIS 261 F Drone and Autonomous Device Programming 3 DRON 105 F Applied Drone Piloting 3 DRON 120 F Infrared Thermal Imaging Level 1 2 DRON 130 F Aerial Mapping and Photogrammetry 3 DRON 140 F Basic Drone Maintenance and Repair 3 DRON 201 F Advanced Drone Piloting Skills	2026 Fall	This is the state-approved bachelor of science degree.

	2		
	ESC 105 F Introduction to Weather and Climate		
	3		
	GEOG 230 F Map-Making with GIS		
	3		
	Upper Division Required Courses (49 units):		
	Units		
	CIS 361 F Drone and Autonomous Device Programming Advanced		
	3		
	CIS 461 F Drone and Autonomous Device Communications		
	3		
	CIS 462 F Drone and Autonomous Device Coordination and Behavior		
	3		
	DRON 305 F Drone Sensor Technology and Applications		
	3		
	DRON 320 F Safety Management Systems for Drone and Autonomous Technology		
	3		
	DRON 340 F Advanced Drone Maintenance and Aerodynamic Systems		
	3		
	DRON 350 F Drone Law		
	3		
	DRON 370 F Drone LiDAR Application and Operations		
	3		
	DRON 380 F Advanced Drone Operations		
	3		
	DRON 385 F Multiplatform Autonomous Operations and Management		
	3		
	DRON 415 F Introduction to Large Drone Operations		
	3		
	DRON 450 F Drone Operations Management		
	3		
	DRON 480 F Drone Practicum		
	4		
	ENGL 301 F Technical Writing		
	3		
	ESC 330 F Sensing the Earth System		
	3		
	PHIL 361 F Technology and Ethics		
	3		
	Restricted Electives (12 units):		
	Units		
	BUS 180 F Small Business Management		
	3		
	CIS 210 F Advanced Python Programming		
	3		

	CIS 212 F Robotic Programming 3 DRON 170 F Introduction to LiDAR Acquisition 3 DRON 210 F Extended Drone Operations and Part 108 3 DRON 240 F Advanced Drone Maintenance 3 DRON 260 F Multispectral and Hyperspectral Sensing with Drones 3 DRON 270 F Advanced LiDAR Acquisition 3 GEOG 231 F Spatial Analysis: Mapping for Solutions and Decision-Making 3 GEOG 237 F Intermediate and Advanced GIS Applications 3 GEOG 238 F Principles of Map-Making and Cartographic Design 3 MKT 103 F Principles of Advertising 3 Total Units 86		
Drone Technology. MSU	Drone and Precision Agriculture Technician Certificate The Drone and Precision Agriculture Technician Certificate prepares students for a dynamic career in precision agriculture by integrating drone technology and advanced agricultural practices. This program provides the knowledge and hands-on skills necessary to operate and maintain drones for agricultural applications, collect and analyze aerial data, and apply insights to improve crop management and yield. Students will also be trained to meet federal and state certification requirements, including FAA Part 107 and Part 137 certifications and well as California agricultural pest control drone certification. This certificate requires 19-21 units. A grade of C or better is required in each course taken. Required Courses (15 Units): Units DRON 105 F Applied Drone Piloting 3 DRON 130 F Aerial Mapping and Photogrammetry 3 DRON 260 F Multispectral and Hyperspectral Sensing with Drones 3	2026 Fall	The certificate program caters to a need in California for development of drone-based agriculture technicians

	DRON 265 F Drone Spraying Operations and Certification Training 3 HORT 045 F Pest Control Certification and Safety 3 Restricted Electives (4-6 Units): Units DRON 120 F Infrared Thermal Imaging Level 1 2 DRON 140 F Basic Drone Maintenance and Repair 3 DRON 210 F Extended Drone Operations and Part 108 3 HORT 153 F Landscape Irrigation 3 HORT 155 F Soils 3 HORT 156 F Plant Nutrition 2 HORT 157 F Irrigation Principles 3 Total Units 19 - 21		
Drone Technology. MSU	LiDAR Acquisition Technician Certificate The LiDAR Acquisition Technician Certificate program prepares students to become skilled professionals in acquiring and processing LiDAR data using cutting-edge drone technology. This program combines technical knowledge with practical experience to equip students with the skills needed to succeed in a variety of industries, including construction, environmental monitoring, surveying, forestry, and infrastructure management. Upon completion, students will have the expertise to capture accurate LiDAR data and translate it into actionable insights for diverse applications. This certificate requires a total of 14-15 units. A grade of C or better is required in each course taken. Required Courses (11-12 Units): Units DRON 101 F Basic Drone Piloting 2 or DRON 105 F Applied Drone Piloting 3 DRON 130 F Aerial Mapping and Photogrammetry 3 DRON 170 F Introduction to LiDAR Acquisition 3	2026 Fall	Program part of a requirement of the National Science Foundation (NSF) grant that was awarded in 2024. https://www.nsf.gov/awardsearch/showAward?AWD_ID=2247525&HistoricalAwards=false

	DRON 270 F Advanced LiDAR Acquisition 3 Restricted Electives (3 units): Units AJ 230 F Crime Scene Techniques 3 ARCH 111 F Introduction to Architecture 3 DART 104 F Introduction to Maya 3D 3 ESC 100 F Physical Geology 3 GEOG 230 F Introduction to Geographic Information Systems 3 Total Units 14 - 15		
Drone Technology. MSU	Solar Panel Inspection Technician Certificate The Solar Panel Inspection Certificate program equips students with the skills and knowledge to conduct professional solar panel inspections using advanced technology. This program combines hands-on training in drone operations, thermal imaging, and solar panel installation to prepare students for careers in renewable energy, maintenance, and inspection services. Students will learn to operate drones for aerial inspections, capture and analyze thermal imaging data to identify panel inefficiencies and potential issues and gain foundational knowledge of solar panel installation principles to enhance their understanding of system design and functionality. This certificate requires 12 units. A grade of C or better is required in each course taken. Required Courses (12 units): Units CSTR 128 F PV Solar - Installation and Maintenance 3 DRON 101 F Basic Drone Piloting 2 DRON 120 F Infrared Thermal Imaging Level 1 2 DRON 125 F Solar Panel Thermal Inspection 2 TECH 081 F Technical Mathematics I 3 Total Units 12	2026 Fall	The growing demand for alternative energy and solar power in the state requires skilled technicians. This certificate helps provide for the workforce.

Physics. MSU	Physics Associate in Science Degree for Transfer 2.0 The Physics Associate in Science Degree for Transfer 2.0, also called the Physics AS-T Degree, prepares students to transfer to CSU campuses that offer bachelor's degrees in physics. Ed Code Section 66746-66749 states students earning the Physics AS-T Degree will be granted priority for admission as a physics major to a local CSU, as determined by the CSU campus to which the student applies. The main purpose of a Physics AS-T is to provide the lower-division coursework needed in order to continue in a bachelor's-degree program; however, the Physics AS-T also provides valuable quantitative and problem-solving skills that are in demand by employers hiring, e.g., lab technicians, or in a variety of fields such as manufacturing and education. Of people who obtain a terminal bachelor's degree in physics, about half work in industry, in fields such as aerospace, military, software, and electronics. Most of the other half work either as high school teachers or as lab technicians at universities or government-funded laboratories. PhD's in physics are qualified for teaching at the university level and for scientific research, as well as for higher-level jobs in the same areas as those with bachelor's degrees. The Physics AS-T Degree requires a total of 34 units of required courses as indicated below. The following is required for all AA-T or AS-T degrees, and there are no additional graduation requirements: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: a) The California General Education Transfer Curriculum (Cal-GETC); (b) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. (3) ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. This is proposed as a high-unit STEM major that prepares students for transfer to both the CSU and UC. Exception to 60-unit requirement by AB 928: 6 additional units for the ADT. Supporting evidence and rationale is required. A “P” (Pass) grade is an acceptable grade for courses in the major only if the P is defined to be equivalent to a C or better. Required Core (34 units): <table><tr><td></td><td>Units</td></tr><tr><td>CSCI 123 F Introduction to Programming Concepts in C++</td><td>4</td></tr><tr><td>MATH 151 F Calculus I</td><td>4</td></tr><tr><td>or</td><td></td></tr><tr><td>MATH 151HF Honors Calculus I</td><td>4</td></tr></table>		Units	CSCI 123 F Introduction to Programming Concepts in C++	4	MATH 151 F Calculus I	4	or		MATH 151HF Honors Calculus I	4	2026 Fall	Development of a new transfer degree in Physics to match the recently released TMC Associate in Science Degree 2.0 in Physics for Transfer.
	Units												
CSCI 123 F Introduction to Programming Concepts in C++	4												
MATH 151 F Calculus I	4												
or													
MATH 151HF Honors Calculus I	4												

	MATH 152 F Calculus II 4 or MATH 152HF Honors Calculus II 4 MATH 251 F Multivariable Calculus 4 MATH 255 F Linear Algebra 3 and MATH 260 F Ordinary Differential Equations 3 PHYS 221 F General Physics I 4 PHYS 222 F General Physics II 4 PHYS 223 F General Physics III 4 Total Units 34		
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MODIFY DEGREES/CERTIFICATES				
DEGREE	REVISION TYPE		EFF DATE	JUSTIFICATION
Child Development and Educational Studies. MSU as a BLOCK	- Program Unit Revision - Six-Year Review - Program SLOA Revision - Removing Courses from "Required" - Adding Courses to "Required"	Child Development and Educational Studies Associate in Arts Degree The Child Development and Educational Studies Associate in Arts Degree (CDES AA) prepares students for employment in education or other field in human services. This degree provides a foundation in developmental psychology, education, and human services, preparing students for careers or advanced study in fields related to working with children and families. This degree also prepares students majoring in CDES for transfer to a four-year institution. The Child Development and Educational Studies Associate in Arts Degree includes 24 units, in addition to other graduation requirements. Required Courses (24 units) Units CDES 115 F Introduction to Early Childhood Education Curriculum 3 CDES 120 F Child Development 3	2027 Fall	Six Year Review. Added CIP code. Updated format of PSLO's and included measurable verbs. Unit amount changed FROM: 21 units TO: 24 units. We have included the 4 core courses to this degree and opted for 24 units, to make students eligible for qualifying for a permit through the Commission on Teacher Credentialing.

		CDES 121 F Introduction to Early Childhood Education: The Assistant Teacher 3 CDES 122 F Principles of Early Childhood Education 3 CDES 125 F Observation and Assessment for Early Learning and Development 3 CDES 201 F Child in the Home and Community 3 CDES 204 F Introduction to Special Education 3 CDES 210 F Anti-Bias Perspective/Diversity Seminar 3 Total Units 24		
Child Development and Educational Studies.	• Course Unit Revision • CIP Code Revision • Program Unit Revision • Catalog Description Update • Six-Year Review	Early Childhood Education Associate in Science Degree for Transfer The Early Childhood Education Associate in Science Degree for Transfer, also called the ECE AS-T, prepares students to transfer to CSU campuses that offer bachelor's degrees in Early Childhood Education. Ed Code Section 66746-66749 states students earning the Early Childcare Education AS-T degree will be granted priority for admission as an Early Childcare Education major to a local CSU, as determined by the CSU campus to which the student applies. This degree requires students to complete 60 CSU transferable units including completion of CSU-GE or IGETC and 24 units in the major, with a cumulative GPA of 2.0 or better. Title 5 requires that students earn a grade of "C" or better in all major coursework. There are no additional graduation requirements. This degree is designed to prepare students for working with young children from birth through the age of 8 and for employment in child development programs, public and private pre-schools, and children's centers. The ECE AS-T requires a total of 25 units. .. Required Core Courses (25 units) Units	2026 Fall	Six-Year Review. Revised CIP code. Updated catalog description. Updated PL-SLOAs to required format and allowed measurable verbs. Included are the 8 California Alignment Project (CAP) courses. Total program units revised FROM: 24 TO: 25.

		CDES 115 F Introduction to Early Childhood Education Curriculum 3 CDES 120 F Child Development 3 CDES 122 F Principles of Early Childhood Education 3 CDES 125 F Observation and Assessment for Early Learning and Development 3 CDES 201 F Child in the Home and Community 3 CDES 210 F Anti-Bias Perspective/Diversity Seminar 3 CDES 215 F Health, Safety, Food, and Nutrition for Children 3 CDES 225 F Early Childhood Student Teaching Practicum 4 .. Total Units 25		
Drafting Technology TABLED	- Course Title Revision - Catalog Description Update	Industrial Drafting Associate in Science Degree The Industrial Drafting Associate in Science Degree provides the skills and knowledge for those who wish to pursue a career as a Mechanical Engineer or CAD operator/designer in fields related to engineering, tool design, and 3D Parametric Modeling in a manufacturing environment as well as other fields. This degree requires the completion of 29 units in the major, in addition to other graduation requirements. At least one half of the units toward the major must be completed at Fullerton College. Required Courses (29 units): Units DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 140 F AutoCAD For Industry 3 DRAF 141 F Advanced CAD for Industry	2026 Fall	Course title revision for MACH 154 F.

		3 DRAF 171 F Fundamentals of Drafting 2 DRAF 173 F Geometric Dimensioning and Tolerancing 2 DRAF 944 F Solidworks 3 DRAF 945 F Advanced Solidworks 3 MACH 150 F CNC Programming Using Mastercam 3 or MACH 154 F CNC Programming Using CAM 3 MACH 116 F Machine Tools 2 TECH 108 F Manufacturing Processes 3 WELD 100 F Introduction to Welding 3 Total Units 29		
Drafting Technology TABLED	- Course Title Revision - Catalog Description Update	Industrial Drafting — Level I Certificate The Industrial Drafting - Level I Certificate is designed to prepare students to work as computer-aided drafters/designers in industry and to upgrade the skills of persons presently employed as drafters/designers. This certificate requires a total of 20 units. At least one half of the units toward the certificate must be completed at Fullerton College. A grade of C or better is required in each course taken. Required Courses (20 units): Units ARCH 124 F Architectural CAD I 3 DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 140 F AutoCAD For Industry 3 DRAF 173 F Geometric Dimensioning and Tolerancing 2 DRAF 171 F Fundamentals of Drafting 2	2026 Fall	Course title revision for MACH 154 F.

		MACH 116 F Machine Tools 2 MACH 150 F CNC Programming Using Mastercam 3 or MACH 154 F CNC Programming Using CAM 3 WELD 100 F Introduction to Welding 3 Total Units 20		
Drafting Technology TABLED	- Course Title Revision - Catalog Description Update	Industrial Drafting — Level II Certificate The Industrial Drafting-Level II Certificate is designed for students who have completed Level I and wish to learn advanced technical drafting skills required in the industry. Drafters use software to convert the designs of engineers and others into technical drawings. Drafters proficient in technical drawings and CAD are likely to have better job opportunities. This certificate requires completion of the Industrial Drafting-Level I Certificate plus additional advanced courses for Level II, for a total of 41 units. At least one half of the units toward the certificate must be completed at Fullerton College. A grade of C or better is required in each course taken. Required Courses from Level I (20 units): Units ARCH 124 F Architectural CAD I 3 DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 140 F AutoCAD For Industry 3 DRAF 171 F Fundamentals of Drafting 2 DRAF 173 F Geometric Dimensioning and Tolerancing 2 MACH 116 F Machine Tools 2 MACH 150 F CNC Programming Using Mastercam 3 or MACH 154 F CNC Programming Using CAM	2026 Fall	Course title change for MACH 154 F and MACH 156 F.

		3 WELD 100 F Introduction to Welding 3 Required Courses for Level II (21 units): Units DRAF 141 F Advanced CAD for Industry 3 DRAF 944 F Solidworks 3 DRAF 945 F Advanced Solidworks 3 MACH 152 F Advanced CNC Programming Using Mastercam 3 or MACH 156 F Advanced CNC Programming Using CAM 3 METL 192 F Fundamentals of Metallurgy 3 TECH 081 F Technical Mathematics I 3 TECH 108 F Manufacturing Processes 3 Total Units 41		
Drone Technology. MSU as a BLOCK	• Course Title Revision • Removing Courses from "Required" • Adding Courses to "Required"	Autonomous Systems Development Associate in Science Degree The Autonomous Systems Development Associate in Science Degree is designed to develop the skills necessary to facilitate transfer to a university and provide a comprehensive understanding of autonomous systems. Students seeking a degree in engineering or areas related to Autonomous Systems Technology may pursue careers in industries such as manufacturing, defense, agriculture, surveying, medical, automotive, power, communications and many more. In order to be well prepared for upper division curriculum at a university in technical fields, students should complete as many courses as possible that relate to future job and career prospects. This degree requires a total of 27-30 units. A grade of C or better is required in each course taken. Required courses Required Courses (21-22 units)	2026 Fall	This degree is being developed as part of the new drone technology area, and in an effort to keep pace with the growing field of study and employment.

		Units CIS 201 F Introduction to Python Programming 3 MACH 101 F Introduction to Machine Tools 5 DRON 101 F Basic Drone Piloting 2 or DRON 105 F Applied Drone Piloting 3 DRON 140 F Basic Drone Maintenance and Repair 3 DRON 240 F Advanced Drone Maintenance 3 TECH 131 F Basic Electricity and Basic Electronics 2 Electives Restricted Restricted Electives (6-8 units) Units CIS 212 F Robotic Programming 3 DRAF 944 F Solidworks 3 ENGR 105 F Engineering CAD 4 MACH 150 F CNC Programming Using Mastercam 3 MATH 151 F Calculus I 4 or MATH 151HF Honors Calculus I 4 MATH 152 F Calculus II 4 or MATH 152HF Honors Calculus II 4 PHYS 221 F General Physics I 4 Total Units 27 - 30		
Drone Technology.	Program Unit Revision	Autonomous Systems Technician Certificate The Autonomous Systems Technician Certificate is designed to develop the skills	2026 Fall	This certificate is being developed as part of a fast track avenue for individuals involved in

	- Removing Courses from "Required" - Adding Courses to "Required"	necessary to provide a comprehensive understanding of autonomous systems and how they work. Students seeking a certificate in Autonomous Systems may pursue careers in industries such as manufacturing, defense, agriculture, surveying, medical, automotive, power, communications and many more. In order to be well prepared for this technical field, students should complete as many courses as possible that relate to future job and career prospects. This certificate requires a total of 19-20 units. A grade of C or better is required in each course taken. Required Courses (19-20 units): Units CIS 201 F Introduction to Python Programming 3 DRON 101 F Basic Drone Piloting 2 or DRON 105 F Applied Drone Piloting 3 DRON 140 F Basic Drone Maintenance and Repair 3 DRON 240 F Advanced Drone Maintenance 3 DRON 255 F Applied Drone Lab 2 TECH 081 F Technical Mathematics I 3 TECH 127 F Industrial Safety 2 TECH 131 F Basic Electricity and Basic Electronics 2 TECH 132 F Basics of Electric Motor Controls 2 Total Units 19 - 20		the new drone technology area. In an effort to keep up with the rapid pace of a growing field of study and employment this certificate will allow students to complete their studies within a year. Further, the units have been changed to add newly developed courses and to coincide with a registered apprenticeship program for autonomous systems technicians students will earn their certificate as part of the apprenticeship program. The Manufacturing Processing class was removed as it wasn't deemed necessary by faculty in Drone Tech and Machining. This adjusted the overall unit total for the certificate FROM 13-15 units TO 19-20 units.
Drone Technology.	- Course Title Revision - Removing Courses from "Required" - Adding Courses to "Required"	Drone Business and Entrepreneurship Certificate The Drone Business and Entrepreneurship Certificate is designed to prepare students with key considerations for starting and managing a drone business. Students will earn their commercial drone pilot's license and be guided through solid business	2026 Fall	Revision to update the courses to the newly approved DRON courses and ensure all wording is current.

	- Adding Courses to "Restricted Electives" - Removing Courses from "Restricted Electives"	planning. Upon program completion, students will have their professional license, a business plan, and the skills necessary to seek funding in order to start or expand a business. This certificate requires 12-15 units. A grade of C or better is required in each course taken. Required Courses (8-9 units): Units BUS 180 F Small Business Management 3 or BUS 181 F The Entrepreneurial Mindset 3 BUS 170 F Principles of E-Commerce 3 or MKT 103 F Principles of Advertising 3 DRON 101 F Basic Drone Piloting 2 or DRON 105 F Applied Drone Piloting 3 Restricted Electives (4-6 units): Units ACCT 100 F Small Business Accounting 3 DART 132 F Digital Imaging I 3 DRON 120 F Infrared Thermal Imaging Level 1 2 DRON 130 F Aerial Mapping and Photogrammetry 3 DRON 201 F Advanced Drone Piloting Skills 2 PHOT 101 F Introduction to Photography 3 Total Units 12 - 15		
Drone Technology	- Course Title Revision - Program Unit Revision - Catalog Description Update	Drone and Autonomous Systems Associate in Science Degree The Drone and Autonomous Systems Associate in Science Degree prepares students with the skills necessary to facilitate transfer to a university and provide a comprehensive understanding of operations	2026 Fall	This program is being updated. It is the first part of the bachelor's degree (2+2 model) and must align with the degree. It is designed to meet high student demand and to enable

	• Removing Courses from "Required" • Adding Courses to "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	and development work with uncrewed aircraft systems across a wide range of industries, such as inspection, mapping, public safety, agriculture, and others. It also prepares students for the upper-division curriculum in technical fields at a university. Students complete a set of core requirements and a set of electives in their chosen areas. This degree requires a total of 28 units, in addition to other graduation requirements. Required courses (19 units): Units DRON 105 F Applied Drone Piloting 3 DRON 120 F Infrared Thermal Imaging Level 1 2 DRON 130 F Aerial Mapping and Photogrammetry 3 DRON 140 F Basic Drone Maintenance and Repair 3 DRON 201 F Advanced Drone Piloting Skills 2 ESC 105 F Introduction to Weather and Climate 3 GEOG 230 F Map-Making with GIS 3 Restricted Electives (9 units) Units ARCH 124 F Architectural CAD I 3 CIS 201 F Introduction to Python Programming 3 CIS 261 F Drone and Autonomous Device Programming 3 CRTV 157 F Digital Production/Non-Linear Editing for Video/Film 3 CRTV 175 F Documentary Filmmaking 3 DART 170 F Digital Photo Editing I 3 DART 180 F Digital Video 3 DART 181 F Advanced Digital Video 3	veterans and other students to complete a degree in Drone Technology. This AS degree is supported and was recommended by the program's advisory committee. Furthermore, it will allow for greater transfer opportunities to universities with similar programs, such as Embry-Riddle Aeronautical University. Program units revised FROM 22-26 units TO 28 units. This is more in line with the bachelor's degree requirements.
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		DART 182 F Motion Graphics and Special Effects 3 DRAF 140 F AutoCAD For Industry 3 DRON 115 F Aerial Imaging and Storytelling 3 DRON 170 F Introduction to LiDAR Acquisition 3 DRON 210 F Extended Drone Operations and Part 108 3 DRON 260 F Multispectral and Hyperspectral Sensing with Drones 3 DRON 270 F Advanced LiDAR Acquisition 3 ESC 105 F Introduction to Weather and Climate 3 GEOG 231 F Spatial Analysis: Mapping for Solutions and Decision-Making 3 GEOG 237 F Intermediate and Advanced GIS Applications 3 GEOG 238 F Principles of Map-Making and Cartographic Design 3 PHOT 101 F Introduction to Photography 3 Total Units 28		
Drone Technology.	• CIP Code Revision • Catalog Description Update • TOP Code Revision	Uncrewed Aerial Systems Piloting Certificate The Uncrewed Aerial Systems Piloting Certificate is designed to provide the student with a strong foundation and employment skills needed for safely flying drones in the commercial unmanned aerial industry. The training within this program will develop a student's understanding of proper and safe piloting, weather effects on aircraft, federal airspace, and regulations, as well as ethical issues regarding drones. A student must possess the FAA Part 107 Remote Pilot Certificate before earning this certificate. This certificate requires a total of 10-11 units. A grade of C or better is required in each course taken.	2026 Fall	This is a revision to update the program to replace with the new DRON courses and bring it current.

		Required Courses (10-11 units): Units DRON 080 F Federal Aviation Administration Drone Pilot Test Preparation 1 DRON 101 F Basic Drone Piloting 2 or DRON 105 F Applied Drone Piloting 3 DRON 201 F Advanced Drone Piloting Skills 2 ESC 105 F Introduction to Weather and Climate 3 TECH 127 F Industrial Safety 2 Total Units 10 - 11		
Engineering. MSU	• Program Unit Revision • Catalog Description Update • Six-Year Review • Program SLOA Revision • Removing Courses from "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Engineering Technology Certificate The Engineering Technology Certificate is the study of technologies, sciences and management practices that provides a background in materials, advanced manufacturing processing (metals and plastics), automation (robotics and programmable controllers), mechanical design and development process, CAD/CAM, quality control/metrology, process planning, "lean" principles, and project management. The student is required to complete a total of 25-27 units. At least one half of the units toward the certificate must be completed at Fullerton College. A grade of C or better is required in each course taken. Required Courses (23 units) Units DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 173 F Geometric Dimensioning and Tolerancing 2 DRAF 944 F Solidworks 3 MACH 101 F Introduction to Machine Tools 5 METL 192 F Fundamentals of Metallurgy 3	2026 Fall	Six-year review. Reducing number of units to complete certificate so that it can be completed in 2 years or less. FROM 34-36 units TO 25-27 units.

		TECH 081 F Technical Mathematics I 3 TECH 108 F Manufacturing Processes 3 TECH 131 F Basic Electricity and Basic Electronics 2 Restricted Electives (2-4 units) Units ENGR 105 F Engineering CAD 4 ENGR 110 F Introduction to Engineering 3 MACH 180 F Introduction to Metrology 3 TECH 127 F Industrial Safety 2 TECH 132 F Basics of Electric Motor Controls 2 TECH 135 F Introduction to Programmable Logic Controllers 2 Total Units 25 - 27		
Interior Design. MSU as a BLOCK	• Course Title Revision • Course Unit Revision • Program Unit Revision • Catalog Description Update • Six-Year Review • Program SLOA Addition • Adding Courses to "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Commercial Interior Design Certificate The Commercial Interior Design Certificate is designed to prepare the student for an entry level position within a non-residential interior design establishment such as in hospitality, food service, health care, education, and office design. Areas of specialization include lighting, space planning, CAD operator and product specialist. In addition, the student will qualify to take the IDEX (Interior Design Examination) administered by the California Council for Interior Design Certification (CCIDC) leading to the professional designation of Certified Interior Designer in the State of California. This certificate option builds on the foundation of the initial Interior Design Assistant Certificate by requiring completion of advanced interior design courses, for a total of 52-55 units. A minimum grade of C is required for all courses. Required Courses (50-52units) Units ARCH 124 F Architectural CAD I 3	2026 Fall	Six-Year Major Review. -Program Unit Revision FROM 50-54 TO 52-55. -Change in course title from IDES 200 F Interior Illustration I TO IDES 200 F 3D Basic Rendering. -Change in course title FROM IDES 225 F Illustration II TO IDES 225 F Advanced 3D Modeling and Rendering. -Change in course title FROM IDES 260 F Illustration III TO IDES 260 F Digital Imaging Enhancement and Portfolio Development. Updating course title of ARCH 924 F in certificate. Course title change FROM ARCH 924 F Architectural CAD II TO

		ARCH 924 F Architectural CAD II Beginning Revit 3 IDES 100 F Fundamentals of Interior Design 3 IDES 105 F Interior Design Studio I 2 IDES 110 F Drafting for Interior Design 3 IDES 130 F Applied Color and Design Theory 3 IDES 150 F Interior Materials and Products 4 IDES 170 F Space Planning I 3 IDES 175 F Space Planning II 3 IDES 180 F History of Architecture and Furnishings I 3 IDES 190 F History of Architecture and Furnishings II 3 IDES 200 F 3D Rendering Basics 2 IDES 210 F Fundamentals of Lighting 3 IDES 215 F Interior Design Studio II 2 IDES 220 F Building Codes, Construction Basics and Systems 3 IDES 225 F Advanced 3D Modeling and Rendering 2 IDES 230 F Business and Professional Practice 3 IDES 240 F Interior Design Internship 2 - 4 Restricted electives (2-3 units) Units CSTR 109 F Construction Plans Reading 3 IDES 260 F Digital Imaging Enhancement and Portfolio Development 2 MKT 208 F Principles of Selling 3 Total Units 52 - 55	ARCH 924 F Architectural CAD II Beginning Revit.
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Interior Design.	• Program Unit Revision • Catalog Description Update • Six-Year Review • Removing Courses from "Required" • Adding Courses to "Required"	Interior Design Assistant Certificate The Interior Design Assistant Certificate provides the student with broad knowledge of the interior design profession and careers therein. Entry level skills will be acquired to serve as an assistant to a commercial or residential interior designer, or merchandising in a retail setting. This certificate lays the foundation for acquiring the Associate of Science Interior Design Degree or the Commercial Interior Design Certificate and/or Residential Design Certificate. This certificate requires the completion of 22 units. A grade of C or better is required for all courses. Required Courses (22 units) Units IDES 100 F Fundamentals of Interior Design 3 IDES 105 F Interior Design Studio I 2 IDES 110 F Drafting for Interior Design 3 IDES 150 F Interior Materials and Products 4 IDES 180 F History of Architecture and Furnishings I 3 IDES 190 F History of Architecture and Furnishings II 3 IDES 200 F 3D Rendering Basics 2 IDES 225 F Advanced 3D Modeling and Rendering 2 Total Units 22	2026 Fall	Changing Program units FROM 28 TO 22 units due to the following changes: - Removing from Required: ARCH 124F and ARCH 924F; IDES 130 - Adding to Required: 3D Rendering Basics - Adding to Required: Advanced 2D/3D Modeling and Rendering - Course Title Revision FROM "Illustration I" TO "3D Rendering Basics" - Course Title Revision FROM "Illustration II" TO "Advanced 3D Modeling and Rendering"
Interior Design.	• Course Title Revision • Course Unit Revision • Program Unit Revision • Catalog Description Update • Six-Year Review	Interior Design Associate in Science Degree The Interior Design Associate in Science Degree is designed to prepare the student for entry level work in the field of residential or commercial interior design. Career avenues include, but are not limited to, Space Planning, Lighting Specialties, Retail Showroom, Merchandising, Illustrator, Remodeling, Product Specialist, Project Coordinator, and Kitchen & Bath Design. This	2026 Fall	Six-Year Review. -Program Unit Revision FROM 53-57 units TO 52-55 units. -Change in course title from IDES 200 F Interior Illustration I TO IDES 200 F 3D Basic Rendering. -Change in course title FROM IDES 225 F Illustration II TO IDES

	• Adding Courses to "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	degree requires a total of 52-55 units, in the major in addition to other graduation requirements. Required Courses (50-52 units) Units ARCH 124 F Architectural CAD I 3 ARCH 924 F Architectural CAD II Beginning Revit 3 IDES 100 F Fundamentals of Interior Design 3 IDES 105 F Interior Design Studio I 2 IDES 110 F Drafting for Interior Design 3 IDES 130 F Applied Color and Design Theory 3 IDES 150 F Interior Materials and Products 4 IDES 170 F Space Planning I 3 IDES 175 F Space Planning II 3 IDES 180 F History of Architecture and Furnishings I 3 IDES 190 F History of Architecture and Furnishings II 3 IDES 200 F 3D Rendering Basics 2 IDES 210 F Fundamentals of Lighting 3 IDES 215 F Interior Design Studio II 2 IDES 220 F Building Codes, Construction Basics and Systems 3 IDES 225 F Advanced 3D Modeling and Rendering 2 IDES 230 F Business and Professional Practice 3 IDES 240 F Interior Design Internship 2 - 4 Restricted Electives (2-3 units) Units CSTR 109 F Construction Plans Reading 3	225 F Advanced 3D Modeling and Rendering. -Change in course title FROM IDES 260 F Illustration III TO IDES 260 F Digital Imaging Enhancement and Portfolio Development. The following course has proposed a title change, ARCH 924 F. Title change FROM ARCH 924 F Architectural CAD II TO ARCH 924 F Architectural CAD II Beginning Revit.
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		IDES 260 F Digital Imaging Enhancement and Portfolio Development 2 MKT 208 F Principles of Selling 3 Total Units 52 - 55		
Interior Design.	• Course Title Revision • Program Unit Revision • Catalog Description Update • Six-Year Review • Removing Courses from "Required" • Adding Courses to "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Residential Interior Design Certificate The Residential Interior Design Certificate is designed to prepare the student for an entry level position within a residential interior design establishment. In addition, the student will qualify to take the IDEX (Interior Design Examination) administered by the California Council for Interior Design Certification (CCIDC) leading to the professional designation of Certified Interior Designer in the State of California. This certificate option builds on the foundation of the initial Interior Design Assistant Certificate by requiring completion of advanced interior design courses, for a total of 46-49 units. A minimum grade of C is required for all courses. Required Courses (44-46 units) Units ARCH 124 F Architectural CAD I 3 IDES 100 F Fundamentals of Interior Design 3 IDES 105 F Interior Design Studio I 2 IDES 110 F Drafting for Interior Design 3 IDES 130 F Applied Color and Design Theory 3 IDES 150 F Interior Materials and Products 4 IDES 170 F Space Planning I 3 IDES 180 F History of Architecture and Furnishings I 3 IDES 190 F History of Architecture and Furnishings II 3 IDES 200 F 3D Rendering Basics 2 IDES 210 F Fundamentals of Lighting 3	2026 Fall	-6-Year Major Review -Program Unit Revision -Change in course title FROM IDES 200 F Interior Illustration I TO IDES 200 F 3D Basic Rendering. -Change in course title FROM IDES 225 F Illustration II TO IDES 225 F Advanced 3D Modeling and Rendering. -Change in course title FROM IDES 260 F Illustration III TO IDES 260 F Digital Imaging Enhancement and Portfolio Development. Updating course title of ARCH 924 F in certificate. Title change FROM ARCH 924 F Architectural CAD II TO ARCH 924 F Architectural CAD II Beginning Revit. Reduction of program units FROM 50-54 TO 46-49 units so that students can complete the program sooner.

		IDES 215 F Interior Design Studio II 2 IDES 220 F Building Codes, Construction Basics and Systems 3 IDES 225 F Advanced 3D Modeling and Rendering 2 IDES 230 F Business and Professional Practice 3 IDES 240 F Interior Design Internship 2 - 4 Restricted electives (2-3 units) Units CSTR 109 F Construction Plans Reading 3 IDES 260 F Digital Imaging Enhancement and Portfolio Development 2 MKT 208 F Principles of Selling 3 Total Units 46 - 49		
Journalism. MSU	• Program Unit Revision • Catalog Description Update • Removing Courses from "Required" • Adding Courses to "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Drone Journalism Certificate The Drone Journalism Certificate is designed to provide a sound basis for students interested in drone journalism and could lead to employment in a communications field that needs experience with drone photography and reporting. This certificate requires a total of 18-21 units. A grade of C or better is required in each course taken. Required Courses (16 units): Units DRON 080 F Federal Aviation Administration Drone Pilot Test Preparation 1 ESC 105 F Introduction to Weather and Climate 3 JOUR 101 F Reporting and Writing 3 JOUR 210 F Multimedia Reporting 3 JOUR 215 F UAV/Drone Reporting 3 PHOT 111 F Introduction to Photography from Analog to Digital	2026 Fall	Revising Certificate to update courses with new Drone Technology courses. Remove TECH 080F and replace with DRON 080F. Remove TECH 155 F and replace with DRON 255 F. Program unit change FROM 18-20 units TO 18-21 units.

		3 Restricted Electives (2-5 units): Units CRTV 157 F Digital Production/Non-Linear Editing for Video/Film 3 GEOG 102 F Physical Geography 3 or GEOG 102HF Honors Physical Geography 3 GEOG 102LF Physical Geography Lab 1 JOUR 102 F Advanced Reporting and Writing 3 JOUR 222 F Introduction to News Media Production 3 PHOT 216 F Advanced Digital Photography 3 PHOT 217 F Applied Digital Photography 3 PHYS 130 F Elementary Physics 4 DRON 255 F Applied Drone Lab 2 Total Units 18 - 21		
Machine Technology. MSU as a BLOCK	- Catalog Description Update - Six-Year Review	CNC Operator Certificate The CNC Operator Certificate is designed to prepare students for entry-level employment as CNC (Computer Numerical Control) machine tool operators and to enhance the skills of machinists who are currently employed in the trade. This type of certificate program can also lead to entry level careers as a machinist, toolmaker, CNC programmer, manufacturing engineer, process engineer, field service technician as well as a number of other manufacturing/service positions. This certificate requires a total of 14 units. At least one half of the units toward the certificate must be completed at Fullerton College. A grade of C or better is required in each course taken. Required Courses (14 units): Units MACH 101 F Introduction to Machine Tools	2026 Fall	Six-Year Review

		5 MACH 110 F CNC Machine Set-Up and Operation 3 MACH 115 F CNC Parts Programming 3 MACH 120 F Advanced CNC Machining 3 Total Units 14		
Machine Technology TABLED	• Course Unit Revision • Program Unit Revision • Catalog Description Update • Six-Year Review • Removing Courses from "Required" • Adding Courses to "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Computer Numerical Control (CNC) Certificate The Computer Numerical Control (CNC) Certificate is designed to prepare students for programming multi-axis CNC machines. This certificate program is designed for students wishing to further pursue a career in machining or manufacturing. This type of certificate program typically leads to entry to intermediate level careers as a machinist, toolmaker, CNC operator, CNC programmer, manufacturing engineer, process engineer, field service technician as well as a number of other manufacturing/service positions. This certificate requires a total of 48-50 units. At least one half of the units toward the certificate must be completed at Fullerton college. A grade of C or better is required in each course taken. Required Courses (42 units): Units DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 173 F Geometric Dimensioning and Tolerancing 2 DRAF 944 F Solidworks 3 MACH 101 F Introduction to Machine Tools 5 MACH 110 F CNC Machine Set-Up and Operation 3 MACH 115 F CNC Parts Programming 3 MACH 120 F Advanced CNC Machining 3	2026 Fall	Six-Year review. Updating required and restricted elective courses. Program units revised FROM 43-50 TO 48-50.

		MACH 150 F CNC Programming Using Mastercam 3 MACH 151 F Mastercam-Lathe 3 MACH 152 F Advanced CNC Programming Using Mastercam 3 MACH 157 F Computer-Aided Manufacturing 3 METL 192 F Fundamentals of Metallurgy 3 TECH 081 F Technical Mathematics I 3 TECH 108 F Manufacturing Processes 3 Restricted Electives (6-8 units): Units MACH 102 F Intermediate Machine Tools 5 MACH 130 F Multiple Axis CNC Set and Operation 3 MACH 140 F Basic CNC Swiss Style Lathe Set-up and Operation 3 WELD 100 F Introduction to Welding 3 Total Units 48 - 50		
Machine Technology.	• Program Title Revision • Catalog Description Update • Six-Year Review	Conversational Programming Certificate The Conversational Programming Certificate is designed to prepare students for entry-level employment in the CNC programming field and/or manufacturing field. The courses in this program focus on conversational programming methods and technique. This Certificate program is also designed to enhance the skills of individuals already in the CNC/machining and manufacturing field that have a desire to learn more about conversational controls in the manufacturing trade. The student is required to complete a total of 11 units. At least one half of the units toward the certificate must be completed at Fullerton College. A grade of C or better is required in each course taken. Required Courses (11 units): Units	2026 Fall	Six-Year Review.

		MACH 101 F Introduction to Machine Tools 5 MACH 105 F Conversational Programming I 3 MACH 106 F Conversational Programming II 3 Total Units 11		
Machine Technology.	- Catalog Description Update - Six-Year Review	Machine Technology Level I Certificate The Machine Technology Level I Certificate is designed for students wishing to pursue a career in machining or manufacturing. This type of certificate program typically leads to entry level careers as a machinist, toolmaker, CNC operator, CNC programmer, manufacturing engineer, process engineer, field service technician as well as a number of other manufacturing/service positions. This certificate requires a total of 18 units. At least one half of the units toward the certificate must be completed at Fullerton College. A grade of C or better is required in each course taken. Required Courses (18 units): Units MACH 101 F Introduction to Machine Tools 5 MACH 102 F Intermediate Machine Tools 5 MACH 103 F Advanced Machine Tools 5 MACH 110 F CNC Machine Set-Up and Operation 3 Total Units 18	2026 Fall	Six-Year Review.
Machine Technology.	- Program Unit Revision - Catalog Description Update - Six-Year Review - Removing Courses from "Required" - Adding Courses to "Required"	Machine Technology Level II Certificate The Machine Technology Level II Certificate is designed for students wishing to pursue a career in more advanced machining or manufacturing areas. This type of certificate program typically leads to entry or intermediate level careers as a machinist, toolmaker, CNC operator, CNC programmer, manufacturing engineer, process engineer, field service technician as well as a number of other manufacturing/service positions. This	2026 Fall	Six year review. Updating required and restricted elective courses. Program unit change FROM 32-37 TO 34 units to streamline degree.

	- Adding Courses to "Restricted Electives" - Removing Courses from "Restricted Electives"	certificate requires a total of 34 units. At least one half of the units toward the certificate must be completed at Fullerton College. A grade of C or better is required in each course taken. Required Courses (28 units): Units DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 173 F Geometric Dimensioning and Tolerancing 2 MACH 101 F Introduction to Machine Tools 5 MACH 102 F Intermediate Machine Tools 5 MACH 103 F Advanced Machine Tools 5 MACH 110 F CNC Machine Set-Up and Operation 3 MACH 115 F CNC Parts Programming 3 TECH 081 F Technical Mathematics I 3 Restricted Electives (6 units): Units MACH 120 F Advanced CNC Machining 3 METL 192 F Fundamentals of Metallurgy 3 TECH 108 F Manufacturing Processes 3 WELD 100 F Introduction to Welding 3 Total Units 34		
Machine Technology TABLED	- Program Unit Revision - Catalog Description Update - Six-Year Review - Removing Courses from "Required"	Manufacturing Technology Associate in Science Degree The Manufacturing Technology Associate in Science Degree incorporates courses from a number of departments within the Technology and Engineering Division. This degree typically leads to intermediate to advanced level technical careers as a machinist, toolmaker, CNC operator, CNC programmer, manufacturing engineer,	2026 Fall	6-year review. Changing program units FROM 30-34 TO 26-30 to streamline program.

	Adding Courses to "Restricted Electives"	process engineer, maintenance technician, field service technician, fabrication technician, machine builder, welders, designers, design engineers, CAD/CAM engineer as well as a number of other manufacturing, engineering, and service positions. A student pursuing the Manufacturing Technology major must take the required courses in addition to a concentration in one or more of the major areas. The areas of concentration are Drafting, Machine Technology, and Welding. This degree requires 26-30 units in the major, in addition to other graduation requirements. At least one-half of the units towards the major must be completed at Fullerton College. Required Courses (11 units): <table><tr><td></td><td>Units</td></tr><tr><td>MACH 116 F Machine Tools</td><td>2</td></tr><tr><td>METL 192 F Fundamentals of Metallurgy</td><td>3</td></tr><tr><td>TECH 108 F Manufacturing Processes</td><td>3</td></tr><tr><td>WELD 100 F Introduction to Welding</td><td>3</td></tr></table> Restricted Electives (15-19 units): Select 15-19 units from one of the areas below. Choose all courses from the same area for a concentration in Drafting, Machine Technology, or Welding. Units Drafting Concentration <table><tr><td></td><td>Units</td></tr><tr><td>DRAF 101 F Blueprint Reading for Manufacturing</td><td>2</td></tr><tr><td>DRAF 140 F AutoCAD For Industry</td><td>3</td></tr><tr><td>DRAF 141 F Advanced CAD for Industry</td><td>3</td></tr><tr><td>DRAF 143 F 3D Applications Using AutoCAD</td><td>3</td></tr><tr><td>DRAF 173 F Geometric Dimensioning and Tolerancing</td><td>2</td></tr><tr><td>DRAF 944 F Solidworks</td><td>3</td></tr></table>		Units	MACH 116 F Machine Tools	2	METL 192 F Fundamentals of Metallurgy	3	TECH 108 F Manufacturing Processes	3	WELD 100 F Introduction to Welding	3		Units	DRAF 101 F Blueprint Reading for Manufacturing	2	DRAF 140 F AutoCAD For Industry	3	DRAF 141 F Advanced CAD for Industry	3	DRAF 143 F 3D Applications Using AutoCAD	3	DRAF 173 F Geometric Dimensioning and Tolerancing	2	DRAF 944 F Solidworks	3		
	Units																											
MACH 116 F Machine Tools	2																											
METL 192 F Fundamentals of Metallurgy	3																											
TECH 108 F Manufacturing Processes	3																											
WELD 100 F Introduction to Welding	3																											
	Units																											
DRAF 101 F Blueprint Reading for Manufacturing	2																											
DRAF 140 F AutoCAD For Industry	3																											
DRAF 141 F Advanced CAD for Industry	3																											
DRAF 143 F 3D Applications Using AutoCAD	3																											
DRAF 173 F Geometric Dimensioning and Tolerancing	2																											
DRAF 944 F Solidworks	3																											

		DRAF 945 F Advanced Solidworks 3 Machine Technology Concentration Units MACH 101 F Introduction to Machine Tools 5 MACH 102 F Intermediate Machine Tools 5 MACH 103 F Advanced Machine Tools 5 MACH 104 F Advanced Topics in Machine Technology 5 MACH 105 F Conversational Programming I 3 MACH 106 F Conversational Programming II 3 MACH 110 F CNC Machine Set-Up and Operation 3 MACH 115 F CNC Parts Programming 3 MACH 120 F Advanced CNC Machining 3 MACH 130 F Multiple Axis CNC Set and Operation 3 MACH 140 F Basic CNC Swiss Style Lathe Set- up and Operation 3 MACH 142 F Advanced CNC Swiss Style Lathe Set-up and Operation 3 MACH 145 F Basic CNC Swiss Style Lathe Programming and Applications 3 MACH 150 F CNC Programming Using Mastercam 3 MACH 151 F Mastercam-Lathe 3 MACH 152 F Advanced CNC Programming Using Mastercam 3 MACH 153 F Mastercam Multi Axis 3 MACH 154 F CNC Programming Using CAM 3 MACH 156 F Advanced CNC Programming Using CAM 3		
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		MACH 157 F Computer-Aided Manufacturing 3 MACH 180 F Introduction to Metrology 3 MACH 182 F Introduction to CMM Inspection and Romer Arms 3 MACH 184 F Advanced CMM and Romer Arm Inspection 3 MACH 185 F CMM and Romer Arm Applications 2 Welding Concentration Units WELD 101 F Welding Fundamentals 5 WELD 105 F Welding Skills Lab 1 WELD 110 F Manual Arc Welding 5 WELD 120 F Gas Shielded Arc Welding 3 WELD 130 F Semi-Automatic Arc Welding 5 WELD 140 F Self-Shielded Arc Welding 3 WELD 210 F Welding Fabrication 2 WELD 220 F Welding Certification 5 WELD 230 F Pipe Welding Applications 3 WELD 240 F Welding Inspection 5 WELD 250 F Welding Supervision 3 Total Units 26 - 30		
Machine Technology.	- Catalog Description Update - Six-Year Review	Metrology Certificate The Metrology Certificate covers various aspects of the manufacturing processes which has an emphasis on dimensional metrology, inspection reporting, mechanical part geometry and computer-assisted inspection. The goal of the Metrology Certificate Program is to prepare students for entry to intermediate level employment in the inspection, Quality Assurance and/or	2026 Fall	Six-Year Review.

		manufacturing field. Students entering this field typically find work in the manufacturing industry or with governmental agencies. The Metrology Certificate is also designed to enhance the skills of individuals already in the inspection, Quality Assurance and/or the manufacturing field that have a desire to learn more about measurement tools in the manufacturing trade. The Metrology Certificate requires the completion of 29 units. A grade of C or better is required in each course taken. At least one half of the units toward the certificate must be completed at Fullerton College. Required Courses (29 units) Units DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 173 F Geometric Dimensioning and Tolerancing 2 DRAF 944 F Solidworks 3 MACH 116 F Machine Tools 2 MACH 180 F Introduction to Metrology 3 MACH 182 F Introduction to CMM Inspection and Romer Arms 3 MACH 184 F Advanced CMM and Romer Arm Inspection 3 MACH 185 F CMM and Romer Arm Applications 2 METL 192 F Fundamentals of Metallurgy 3 TECH 081 F Technical Mathematics I 3 TECH 108 F Manufacturing Processes 3 Total Units 29		
Machine Technology.	- Catalog Description Update - Six-Year Review	Metrology Mini Skills Certificate The Metrology Mini Skills Certificate is designed to prepare students for entry-level employment in the inspection, Quality	2026 Fall	Six-Year Review

		Assurance and/or manufacturing field. The courses in this program focus on dimensional metrology, inspection reporting, mechanical part geometry and computer-assisted inspection. This Certificate program is also designed to enhance the skills of individuals already in the inspection, Quality Assurance and/or manufacturing field that have a desire to learn more about metrology tools in the manufacturing trade. This certificate requires a total of 13 units. At least one half of the units toward the certificate must be completed at Fullerton College. A grade of C or better is required in each course taken. Machine Technology-Metrology Certificate-Level 1 Required Courses (13 units) Units DRAF 173 F Geometric Dimensioning and Tolerancing 2 MACH 180 F Introduction to Metrology 3 MACH 182 F Introduction to CMM Inspection and Romer Arms 3 MACH 184 F Advanced CMM and Romer Arm Inspection 3 MACH 185 F CMM and Romer Arm Applications 2 Total Units 13		
Machine Technology.	- Catalog Description Update - Six-Year Review	Swiss Lathe Certificate The Swiss Lathe Certificate is designed to prepare students for entry-level employment as Screw Machine Operator (Machinist; Computer Numerical Control Operator) and to enhance the skills of machinists who are currently employed in the trade where Automatic Swiss Style Lathes (screw machines) are used. An Automatic Swiss Lathe type machine (commonly known as a Screw machine) performs a variety of task with one or more multiple spindles. These machines are used to produce bulk quantities of custom parts from stock metal or other materials. The Swiss Lathe Certificate requires	2026 Fall	Six-Year Review.

		the student to complete a total of 19 units. A grade of C or better is required in each course taken. At least one-half of the units toward the certificate must be completed at Fullerton College. Required Courses (19 units): Units DRAF 101 F Blueprint Reading for Manufacturing 2 MACH 101 F Introduction to Machine Tools 5 MACH 110 F CNC Machine Set-Up and Operation 3 MACH 140 F Basic CNC Swiss Style Lathe Set-up and Operation 3 MACH 142 F Advanced CNC Swiss Style Lathe Set-up and Operation 3 MACH 145 F Basic CNC Swiss Style Lathe Programming and Applications 3 Total Units 19		
Philosophy & Religious Studies. MSU as a BLOCK	• Six-Year Review • Adding Courses to "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Philosophy Associate in Arts Degree The Philosophy Associate in Arts Degree includes the development of critical thinking and writing skills; the investigation of conceptual problems encountered in the course of reflecting about experience; the assessment of assumptions underlying other sciences and arts; and the exploration of intellectual and cultural history from a broad perspective. Majoring or minoring in philosophy is an excellent way of preparing for law school and other careers that involve facility in reasoning, analysis and information processing. This degree requires a total of 18 units, in addition to other graduation requirements. Required Courses (12 units): Units PHIL 100 F Introduction to Philosophy 3 or	2027 Fall	Six-Year Review.

		PHIL 100HF Honors Introduction to Philosophy 3 PHIL 160 F Introduction to Ethics 3 PHIL 170 F Logic and Critical Thinking 3 or PHIL 172 F Critical Thinking and Writing 3 PHIL 201 F History of Philosophy: Ancient and Medieval 3 or PHIL 201HF Honors History of Philosophy: Ancient and Medieval 3 or PHIL 202 F History of Philosophy: Modern and Contemporary 3 or PHIL 202HF Honors History of Philosophy: Modern and Contemporary 3 Restricted Electives (6 units): Units HIST 110 F Western Civilizations to 1550 3 or HIST 110HF Honors Western Civilizations to 1550 3 HIST 111 F Western Civilizations since 1550 3 or HIST 111HF Honors Western Civilizations since 1550 3 PHIL 101 F Introduction to Religious Studies 3 or PHIL 101HF Honors Introduction to Religious Studies 3 PHIL 105 F World Religions 3 or PHIL 105HF Honors World Religions 3 PHIL 135 F Social and Political Philosophy		
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		3 PHIL 195 F Women's Issues in Philosophy 3 PHIL 200 F Introduction to Christianity 3 PHIL 210 F Introduction to Judaism 3 PHIL 220 F The Holocaust 3 PHIL 225 F The American Religious Experience 3 or PHIL 225HF Honors American Religious Experience 3 PHIL 250 F The Religion of Islam 3 PHIL 270 F Introduction to Asian Religions 3 or PHIL 270HF Honors Introduction to Asian Religions 3 Total Units 18		
Philosophy & Religious Studies.	• Catalog Description Update • Six-Year Review • Adding Courses to "Required" • Adding Courses to "Restricted Electives"	Philosophy Associate in Arts Degree for Transfer The Associate in Arts for Transfer Degree in Philosophy, also called the Philosophy AA-T Degree, prepares students to transfer to CSU campuses that offer bachelor's degrees in philosophy. Ed Code Section 66746-66749 states, students earning the Philosophy AA-T degree will be granted priority for admission as a Philosophy major to a local CSU, as determined by the CSU campus to which the student applies. The following is required for all AA-T or AS-T degrees, and there are no additional graduation requirements: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (a) California General Education Transfer Curriculum (Cal-GETC); (b) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0. (3) ADTs also require that students must earn a C or better in all	2027 Fall	Six-Year Review.

		courses required for the major or area of emphasis. A P (Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better. The study of philosophy includes: (1) the development of critical thinking and writing skills; (2) the investigation of conceptual problems encountered in the course of reflecting about experience; (3) the assessment of assumptions underlying other sciences and arts; and (4) the exploration of intellectual and cultural history from a broad perspective. This degree requires a total of 18 units. Required courses: (6 units) Units PHIL 100 F Introduction to Philosophy 3 or PHIL 100HF Honors Introduction to Philosophy 3 or PHIL 160 F Introduction to Ethics 3 PHIL 170 F Logic and Critical Thinking 3 List A: Select one course from the list below, or any required course not already used from the list above (3 units) Units PHIL 105 F World Religions 3 or PHIL 105HF Honors World Religions 3 PHIL 172 F Critical Thinking and Writing 3 PHIL 201 F History of Philosophy: Ancient and Medieval 3 or PHIL 201HF Honors History of Philosophy: Ancient and Medieval 3 PHIL 202 F History of Philosophy: Modern and Contemporary 3 or		
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		PHIL 201HF Honors History of Philosophy: Ancient and Medieval 3 PHIL 270 F Introduction to Asian Religions 3 or PHIL 270HF Honors Introduction to Asian Religions 3 List B: Select two courses from the list below, or any "List A" courses not already used (6 units) Units HIST 110 F Western Civilizations to 1550 3 or HIST 110HF Honors Western Civilizations to 1550 3 HIST 111 F Western Civilizations since 1550 3 or HIST 111HF Honors Western Civilizations since 1550 3 PHIL 101 F Introduction to Religious Studies 3 or PHIL 101HF Honors Introduction to Religious Studies 3 PHIL 135 F Social and Political Philosophy 3 List C: Select any course listed below, or select any course from "List A" or 'List B" not already used (3 units) Units PHIL 195 F Women's Issues in Philosophy 3 PHIL 200 F Introduction to Christianity 3 PHIL 210 F Introduction to Judaism 3 PHIL 220 F The Holocaust 3 or PHIL 220HF Honors The Holocaust 3 PHIL 225 F The American Religious Experience 3		
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		or PHIL 225HF Honors American Religious Experience 3 PHIL 250 F The Religion of Islam 3 Total Units 18		
Philosophy & Religious Studies.	• Catalog Description Update • Six-Year Review • Removing Courses from "Required" • Adding Courses to "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Religious Studies Associate in Arts Degree The Religious Studies Associate of Arts Degree is designed for those who want a humanities undergraduate background focusing on religion as a preparation for further study in such fields as education, law, social work, counseling, and government service; wish to pursue further studies in religion with the aim of teaching and/or doing research in the subject, or are considering a career in various religious ministries or in religious education. Religious Studies courses examine Hinduism, Buddhism, Sikhism, Judaism, Christianity, Islam, and many other traditions. The academic study of religion is a multi-disciplinary field that develops students' critical thinking and writing skills. Students learn to describe, analyze, and critique human behaviors in the cultures around them. They also learn to speak to issues of religion in the public sphere with clarity, civility, and sensitivity. Studying religious traditions develops habits of mind that are very important for life in our multicultural society. Familiarity with the world's religions is necessary for an understanding of church-state issues in America and of geo-political conflicts in South Asia, the Middle East and elsewhere. This degree requires a total of 18 units, in addition to other graduation requirements. Required Courses (9 units) (Honors versions of any course are considered equivalent courses) Units PHIL 101 F Introduction to Religious Studies 3 or PHIL 101HF Honors Introduction to Religious Studies 3	2027 Fall	Six-Year Review.

		PHIL 105 F World Religions 3 or PHIL 105HF Honors World Religions 3 PHIL 225 F The American Religious Experience 3 or PHIL 225HF Honors American Religious Experience 3 List A (6 units) Select two courses from the list below. (Honors versions of any course are considered equivalent courses) Units PHIL 200 F Introduction to Christianity 3 PHIL 210 F Introduction to Judaism 3 PHIL 220 F The Holocaust 3 or PHIL 220HF Honors The Holocaust 3 PHIL 250 F The Religion of Islam 3 PHIL 270 F Introduction to Asian Religions 3 or PHIL 270HF Honors Introduction to Asian Religions 3 List B (3 units): Choose one course from the list below or any List A course not already used. (Honors versions of any course are considered equivalent courses) Units ANTH 107 F Anthropology of Magic, Witchcraft, and Religion 3 or ANTH 107HF Honors Anthropology of Magic, Witchcraft and Religion 3 ENGL 243 F Folklore and Mythology 3 or ENGL 243HF Honors Folklore and Mythology		
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		3 HIST 160 F Asian Civilizations I 3 HIST 165 F Introduction to the Middle East 3 or HIST 165HF Honors Introduction to the Middle East 3 PHIL 160 F Introduction to Ethics 3 SOC 277 F Sociology of Religion 3 or SOC 277HF Honors Sociology of Religion 3 Total Units 18		
Technology-Related Courses. MSU as a BLOCK	• Catalog Description Update • Six-Year Review • Program SLOA Revision	Automation Fundamentals Certificate The Automation Fundamentals Certificate is designed to provide fundamental hands-on training on automated systems and equipment. Students will study the basic principles, applications, concepts and functions of electrical systems, electrical components, motors, programmable logic controllers, and mechanical components. This certificate requires a total of 11-12 units. A grade of C or better is required in each course taken. At least one half of the units toward the certificate must be completed at Fullerton College. Required Courses Units TECH 081 F Technical Mathematics I 3 TECH 108 F Manufacturing Processes 3 or TECH 127 F Industrial Safety 2 TECH 131 F Basic Electricity and Basic Electronics 2 TECH 132 F Basics of Electric Motor Controls 2 TECH 135 F Introduction to Programmable Logic Controllers 2	2026 Fall	Six-Year Review.

		Total Units 11 - 12		
Technology-Related Courses.	• Program Unit Revision • Catalog Description Update • Six-Year Review • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Electro-Mechanical Technician Certificate The Electro-Mechanical Technician Certificate is designed to provide fundamental, hands-on training on industrial systems and equipment. Students will study the basic principles, applications, concepts and functions of electro-mechanical processes associated with new or modify electrical or mechanical parts for products, such as industrial machinery or equipment from various industries such as petroleum, aerospace, aircraft, medical, bio-medical, autonomous systems, robotics, ocean exploration, or waste reclamation and removal. Typical duties of an electro-mechanical technician may include operation, testing, maintaining, or calibrating tools, equipment, automated systems, servo-mechanical, or electro-mechanical equipment. This certificate requires a total of 32-36 units. A grade of C or better is required in each course taken. At least one half of the units toward the certificate must be completed at Fullerton College. Required Courses (24 units): Units DRAF 944 F Solidworks 3 MACH 116 F Machine Tools 2 MACH 180 F Introduction to Metrology 3 TECH 081 F Technical Mathematics I 3 TECH 131 F Basic Electricity and Basic Electronics 2 TECH 132 F Basics of Electric Motor Controls 2 TECH 135 F Introduction to Programmable Logic Controllers 2 TECH 136 F Computer Integrated Manufacturing and Advanced PLC 3 TECH 137 F Electronic Instrumentation and Networking 2	2026 Fall	Six-Year Review. Replacing TECH related drone courses with new DRON prefix courses. Program units revised FROM 32-34 units TO 32-36 units.

		TECH 138 F Electronic Instrumentation and Networking II 2 Restricted Electives (8-12 units): Units BIOL 194 F Quality and Regulatory Compliance in the Biosciences 2 DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 140 F AutoCAD For Industry 3 DRAF 141 F Advanced CAD for Industry 3 DRAF 171 F Fundamentals of Drafting 2 DRAF 173 F Geometric Dimensioning and Tolerancing 2 DRAF 945 F Advanced Solidworks 3 DRON 101 F Basic Drone Piloting 2 DRON 105 F Applied Drone Piloting 3 MACH 101 F Introduction to Machine Tools 5 MACH 102 F Intermediate Machine Tools 5 MACH 104 F Advanced Topics in Machine Technology 5 MACH 110 F CNC Machine Set-Up and Operation 3 MACH 115 F CNC Parts Programming 3 MACH 150 F CNC Programming Using Mastercam 3 MACH 182 F Introduction to CMM Inspection and Romer Arms 3 MACH 184 F Advanced CMM and Romer Arm Inspection 3 METL 192 F Fundamentals of Metallurgy 3 PRNT 101 F Introduction to Printing 3		
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		TECH 127 F Industrial Safety 2 WELD 100 F Introduction to Welding 3 Total Units 32 - 36		
Technology-Related Courses.	• Catalog Description Update • Program SLOA Revision • Removing Courses from "Required" • Adding Courses to "Required"	Industrial Maintenance Technician Certificate The Industrial Maintenance Technician Certificate is designed to provide fundamental, hands-on training on industrial systems and equipment. Students will study the basic principles, applications, concepts and functions of manufacturing, measurement systems, electrical components and motors, programmable logic controllers, mechanical components, and hydraulic/pneumatic systems. This certificate requires a total of 46-50 units. A grade of C or better is required in each course taken. At least one half of the units toward the certificate must be completed at Fullerton College. Required Courses (36 units) Units CSTR 127 F Commercial Electric Systems 3 DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 140 F AutoCAD For Industry 3 MACH 101 F Introduction to Machine Tools 5 MACH 180 F Introduction to Metrology 3 TECH 081 F Technical Mathematics I 3 TECH 108 F Manufacturing Processes 3 TECH 127 F Industrial Safety 2 TECH 131 F Basic Electricity and Basic Electronics 2 TECH 132 F Basics of Electric Motor Controls 2 TECH 135 F Introduction to Programmable Logic Controllers	2026 Fall	Updated required courses.

		2 TECH 136 F Computer Integrated Manufacturing and Advanced PLC 3 WELD 100 F Introduction to Welding 3 Restricted Electives (10-14 units) Units DART 104 F Introduction to Maya 3D 3 DART 120 F 3D Modeling 3 DRAF 141 F Advanced CAD for Industry 3 DRAF 143 F 3D Applications Using AutoCAD 3 MACH 102 F Intermediate Machine Tools 5 MACH 103 F Advanced Machine Tools 5 MACH 104 F Advanced Topics in Machine Technology 5 Total Units 46 - 50		
Technology-Related Courses.	• Course Unit Revision • Program Unit Revision • Catalog Description Update • Six-Year Review • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Theme Park Technology Specialist Certificate The Theme Park Technology Specialist Certificate prepares the student for occupational competency working for theme parks as a technology specialist. Technology specialists perform maintenance, troubleshooting, and repair of advanced theme park ride and entertainment technology, earn competitive salaries, and can work in theme parks across the world. This certificate requires a total of 39-41.5 units. A grade of C or better is required in each course taken. Required Courses (35 units): Units TECH 081 F Technical Mathematics I 3 TECH 131 F Basic Electricity and Basic Electronics 2 TECH 132 F Basics of Electric Motor Controls 2	2026 Fall	Revising program and courses to align with Theme Park Technician Certificate changes and courses. Program unit total revised FROM 36-41 units TO 39-41.5 units. Updating CIP code.

		TECH 135 F Introduction to Programmable Logic Controllers 2 TECH 136 F Computer Integrated Manufacturing and Advanced PLC 3 TECH 137 F Electronic Instrumentation and Networking 2 THEA 091 F Video and Scenic Projection for the Theatre 2 THEA 092 F Automated Scenery for the Theatre 2 THEA 093 F Rigging for the Theatre 1 THEA 094 F Systems Maintenance and Troubleshooting for Theatre 2 THEA 141 F Introduction to Technical Theatre 4 THEA 143 F Stagecraft 4 THEA 160 F Introduction to Sound Technology 3 THEA 170 F Beginning Theatrical Lighting 3 <i>Please note that THEA 160 F and THEA 170 F require concurrent enrollment in THEA 153 F or THEA 159 F.</i> Restricted Electives - Stage Crew Activity Lab Courses (1-3.5 units): Units THEA 153 F Introduction to Stage Crew Activity 0.5 - 3 THEA 159 F Beginning Stage Crew Activity 0.5 - 3 Restricted Electives - Capstone Project Courses (3 units): Units THEA 130 F Beginning Theatre Workshop 3 THEA 134 F Beginning Theatre Practicum 3 THEA 178 F Beginning Musical Theatre Production 3		
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		Total Units 39 - 41.5		
Welding. MSU	• Course Unit Revision • Program Unit Revision • Catalog Description Update • Six-Year Review • Removing Courses from "Required" • Adding Courses to "Required" • Adding Courses to "Restricted Electives" • Removing Courses from "Restricted Electives"	Welding Technology Certificate The Welding Technology Certificate is designed to prepare students to apply a variety of welding processes in the workplace. This certificate requires a total of 24-29 units. A grade of C or better is required in each course taken. At least one half of the units toward the certificate must be completed at Fullerton College. Required Courses (20-21 units) Units WELD 100 F Introduction to Welding 3 and WELD 120 F Gas Shielded Arc Welding 3 or WELD 101 F Welding Fundamentals 5 WELD 110 F Manual Arc Welding 5 WELD 130 F Semi-Automatic Arc Welding 5 WELD 220 F Welding Certification 5 Restricted Electives (4-8 units) Units DRAF 101 F Blueprint Reading for Manufacturing 2 DRAF 171 F Fundamentals of Drafting 2 MACH 116 F Machine Tools 2 METL 192 F Fundamentals of Metallurgy 3 TECH 081 F Technical Mathematics I 3 TECH 108 F Manufacturing Processes 3 TECH 127 F Industrial Safety 2 WELD 210 F Welding Fabrication 2 WELD 240 F Welding Inspection 5 WELD 250 F Welding Supervision	2026 Fall	Weld course renumbering. FROM 23-27 units TO 24-29 units. The change of units is as a result of the course renumbering and updating of courses.

		3		
		Total Units		
		24 - 29		

DEACTIVATION OF DEGREES/CERTIFICATES		
DEGREE	EFF DATE	JUSTIFICATION
Physics Associate in Science Degree for Transfer. MSU	2026 Fall	Program Deactivation. Deactivation of Physics Associate in Science Degree for Transfer for the new Physics Associate in Science Degree for Transfer 2.0.