

Proposal AGENDA
Wednesday, October 7, 2026 1:30 - 4:30pm
Building 200 Room 224

Zoom Information:
https://fullcoll-edu.zoom.us/j/86748058942?pwd=g2eVuwL4UbbnVnc1o8752QP9kSbque.1

Curriculum Summary

Category	Total
New Courses	25
Revised Courses	14
New Programs	7
Revised Programs	12

New Courses

Course	Pre-requisites	Class Size	Class Size Justification	Justification	Effective Term
CSTR 114 F Contractor's License Law Units: 3 Lecture: 3 Laboratory: 0 **MSP as a BLOCK**	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	Course alignment with '100' number designation. ~~Addition of needed Laboratory activities. Six-year Review update /~~ formerly known as CSTR 014 F. This course will replace CSTR 014F.	Fall 2027
CSTR 115 F Construction Management Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	Course alignment with '100' number designation / ~~Addition of needed Laboratory activities / Six-year Review update /~~ formerly known as CSTR 015 F.	Fall 2027
CSTR 123 F Commercial/ Industrial Plans Reading Units: 3	Advisory: CSTR 109 F	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media	~~Six-year Review /~~ Formerly known as CSTR 033 F / Updated course name and numbering to better	Fall 2027

Lecture: 3 Laboratory: 0			may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	align with department and course numbering above '100'.	
CSTR 124 F Construction Safety Units: 3 Lecture: 3 Laboratory: 0	None	35	Course type is in alignment with CSPRD document for class size of 35. This course uses lecture, discussion, group learning, and student presentations methods of instruction which dictates a class size of 35 to be acceptable. 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.	This course is being added during the department's six-year review process. A formal OSHA Construction safety course has not been offered providing OSHA 30 completion training. This course will fulfill this need.	Fall 2027
CSTR 125 F Forklifts and Manlifts in Construction Units: 2 Lecture: 1.5 Laboratory: 1.5	Prerequisites: NONE	20	Students in this course use construction and industrial type motorized machinery, tools and equipment, which, contain heavy and sharp cutting edges, high RPMs, and are fuel or electrically energized. These machines, tools, and equipment can present a danger to students if the correct safety methods and procedures are not used. Thus, proper supervision of a maximum of 20 students, and also due to the limited driving spaces, that limited is required. This requirement has been approved by the Construction Technology Advisory Committee and aligns with National Science Teacher Association (NSTA) Safety Advisory Board Study in 2014, which, shows that injuries increase dramatically with class sizes above 20. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.	New Course ~~/ Six-year Review in progress /~~ Advisory committee and student requests are initiating this course.	Fall 2027
CSTR 126 F EV Charging - Installation and Maintenance Units: 2 Lecture: 1.5 Laboratory: 1.5	Prerequisites: NONE	20	Students in this course use construction and industrial type tools and equipment, which, contain sharp cutting edges, high RPMs, and are electrically energized. Charging equipment is connected to	New Course ~~/ Six-year Review in progress /~~ Advisory committee and student requests are initiating this course.	Fall 2027

			electrical energy. These tools and equipment can present a danger to students if the correct safety methods and procedures are not used. Thus, proper supervision within the limited facility lab space area, must enforce a maximum of 20 students, to monitor and ensure safety is required. This requirement has been approved by the Construction Technology Advisory Committee and aligns with National Science Teacher Association (NSTA) Safety Advisory Board Study in 2014, which, shows that injuries increase dramatically with class sizes above 20. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.		
CSTR 127 F Commercial Electric Systems Units: 3 Lecture: 2.5 Laboratory: 1.5	NONE	20	Students in this course use industrial type equipment and tools which use electrical current. Electricity can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet	New Course with '100' number designation / Lecture time needed and has laboratory activities / ~~Six-year Review ongoing~~ / Course Advisory for student success - residential electrical systems should be taken first.	Fall 2027
CSTR 128 F PV Solar - Installation and Maintenance Units: 3 Lecture: 2.5 Laboratory: 1.5	NONE	20	Students in this course use construction and industrial type tools and equipment, which, contain sharp cutting edges, high RPMs, and are electrically energized. Solar Panels create electrical energy. These tools and equipment can present a danger to students if the correct safety methods and procedures are not used. Thus, proper supervision within the limited facility lab space area, must enforce a maximum of 20 students, to monitor and ensure safety is required. This requirement has been approved by the Construction	~~Six-year Review /~~ Course formerly CSTR 028 F / this course includes new updates for changing technologies / this course now includes needed lab activities / adjusting course numbering for better alignment into '100'.	Fall 2027

			Technology Advisory Committee and aligns with National Science Teacher Association (NSTA) Safety Advisory Board Study in 2014, which, shows that injuries increase dramatically with class sizes above 20. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.		
CSTR 129 F Contractor Operations Management Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	~~Six-year Review /~~ Course formally CSTR 016 F / updated course content for concepts not presented in standard business department courses / Course numbering more in alignment with '100' within the construction department.	Fall 2027
CSTR 130 F International Residential Code Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	~~Six-year Review /~~ Course numbering change to better align program numbering above '100' / Course formerly CSTR 041 F.	Fall 2027
CSTR 131 F International Building Code Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	~~Six-year Review /~~ Course formerly CSTR 031 F / Course review and number change to better align with department courses within '100'.	Fall 2027
CSTR 132 F Uniform Plumbing Code Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report	~~Six-year Review /~~ Course formerly CSTR 032 F / Course numbering alignment within department above number '100'.	Fall 2027

			assignments are assessed mostly for concepts and structure.		
CSTR 134 F National Electrical Code Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	~~Six-year Review /~~ Formerly CSTR 034 F / Course number update to align with department courses above "100".	Fall 2027
CSTR 135 F California Accessibility and Energy Codes Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	~~Six-year Review /~~ Formerly known as CSTR 035 F / Course numbering updated to align with department courses above '100".	Fall 2027
CSTR 136 F Uniform Mechanical Code Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure. Group discussions (pros and cons) regarding state of California codes is essential to the individual learning the subject matter.	~~Six-year Review /~~ Course formerly known as CSTR 038 F / Course renumbering to align with department content as numbers are all '100' series.	Fall 2027
CSTR 141 F Computer Estimating in Construction Units: 3 Lecture: 2 Laboratory: 3	NONE	25	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. Space is limited only by the amount of computer stations in the Technology Building 700 labs.	~~Six-year Review /~~ Formerly known as CSTR 060 F / Course numbering is changed to better align with department course numbering above '100'.	Fall 2027
CSTR 142 F Construction Scheduling Units: 3 Lecture: 2 Laboratory: 3	NONE	25	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. Space is	~~Six-year Review /~~ Formerly known as CSTR 065 F / Course numbering is changed to better align with	Fall 2027

			limited only by the amount of computer stations in the Technology Building 700 labs.	department course numbering above '100'.	
CSTR 143 F Cold Formed Steel Framing Units: 3 Lecture: 2.5 Laboratory: 1.5	NONE	20	Students in this course use industrial type equipment and tools with sharp cutting edges being used by students in a lab to cut metal components and parts. These machines have rotating metal cutters which can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. Maximum number of students allowed for safety concerns and available workstations 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.	~~Six-year Review.~~ Course formerly known as CSTR 042. This is a course update including course numbering to align with department above '100' numbering.	Fall 2027
CSTR 144 F Understanding Hazardous Materials Units: 2 Lecture: 2 Laboratory: 0	NONE	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.	~~Six-year Review /~~ Formerly known as CSTR 040 F / Course updates and renumbering to better align with department courses above "100".	Fall 2027
CSTR 145 F Building Energy Efficiency Units: 3 Lecture: 2.5 Laboratory: 1.5	NONE	20	Students in this course use industrial type equipment and tools with sharp cutting edges being used by students in a lab to cut metal components and parts. These machines have rotating metal cutters which can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. Maximum number of students allowed for safety concerns and available workstations 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. Advisory	This is a new course to comply with California energy regulations for buildings / ~~Six-year Review in progress~~ / Course number aligns with department course numbers over '100'.	Fall 2027

			Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.		
CSTR 146 F Facility Maintenance Technician 1 Units: 2 Lecture: 1.5 Laboratory: 1.5	NONE	20	Students in this course use industrial type equipment and tools which use electrical current. Electricity can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet	New Course ~~/ Six-year Review in progress~~ / Advisory committee and student requests are initiating this course.	Fall 2027
CSTR 147 F Facility Maintenance Technician 2 Units: 3 Lecture: 2.5 Laboratory: 1.5	NONE	20	Students in this course use industrial type equipment and tools which use electrical current. Electricity can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.	New Course ~~/ Six-year Review in progress~~ / Advisory committee and student requests are initiating this course.	Fall 2027
CSTR 148 F Facility Management Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	New Course ~~during six-year review~~ / Matching size with Construction Management CSTR 100 / Classroom 710 capacity is 30-35 students.	
CSTR 149 F Facility Operation Management	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal	New Course ~~during six-year review.~~	Fall 2027

Units: 3 Lecture: 3 Laboratory: 0			student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.		
CSTR 150 F Facility Asset Management Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure. Students may perform field trips around campus to perform assessments.	New course to address future needs in facility management.	Fall 2027

Voting Members:	Present	Role:
William Cowieson	N	MATH/CSCI Division Rep
Allen Menton	Y	Fine Arts Division Rep
Michael Moore	Y	BUS/CIS Division Rep
George Bonnand	Y	Technology and Engineering Division Rep
Guy Dadson	Y	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	Y	COUN Division Rep
Kelly Nelson-Wright	Y	Social Sciences Division Rep
Amber Gonzalez	Y	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	Y	PE Division Rep
David Brown	Y	LIB Division Rep
Geoff Smith	Y	Humanities Division Rep

Revised Courses

Course	Prerequisites	Class Size	Class Size Justification	Justification	Effective Term
CSTR 100 F Residential Construction Units: 4	NONE	20	Students in this course use construction and industrial type tools and equipment, which, contain sharp cutting	Six-year review. Please see spreadsheet listing entitled "CSTR course renumbering spreadsheet" for	Fall 2027

Lecture: 3 Laboratory: 3			edges, high RPMs, and are electrically energized. These tools and equipment can present a danger to students if the correct safety methods and procedures are not used. Thus, proper supervision of a maximum of 20 students is a required. This requirement has been approved by the Construction Technology Advisory Committee and aligns with National Science Teacher Association (NSTA) Safety Advisory Board Study in 2014, which, shows that injuries increase dramatically with class sizes above 20. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.	impacted courses/programs. This course also is a prerequisite to CSTR 116 F.	
CSTR 102 F Residential Finish Construction Units: 4 Lecture: 3 Laboratory: 3	~~CHEM 107 F with a grade of C or better, or a passing score on the Chemistry Proficiency Test and MATH 141 F or MATH 141HF or MATH 143 F, with a grade of C or better, or by assessment through the college's multiple measures placement processes.~~ NONE	20	Students in this course use industrial type equipment and tools with sharp cutting edges being used by students in a lab to cut wood parts. These machines have rotating metal cutters which can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.	Six-year review. Title revision FROM Residential Finish Carpentry TO Residential Finish Construction. Please see spreadsheet listing entitled "CSTR course renumbering spreadsheet" for impacted courses/programs.	Fall 2027
CSTR 104 F Concrete and Masonry Units: 3	~~CHEM 111AF~~ NONE	20	Students in this course use industrial type equipment and tools with sharp cutting edges being used by students in a lab	Six-Year review. WSCH revised FROM 2.5 hours lecture and 1.5 hours lab TO 2 hours lecture and 3 hours lab.	Fall 2027

Lecture: 2 Laboratory: 3			to cut wood parts. These machines have rotating metal cutters which can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.		
CSTR 105 F Construction Technology Lab Units: 0.5-2 Lecture 0 Laboratory: 1.5-6 **Reqs: MSP**	Corequisite: CSTR 100 F or CSTR 102 F or CSTR 104 F or CSTR 106 F or CSTR 107 F or CSTR 108 F or CSTR 109 F or CSTR 110 F or CSTR 112 F or CSTR 114 F or CSTR 115 F or CSTR 116 F or CSTR 118 F or CSTR 120 F or CSTR 122 F or CSTR 124 F or CSTR 125 F or CSTR 126 F or CSTR 128 F or CSTR 129 F or CSTR 143 F or CSTR 144 F or CSTR 145 F or CSTR 146 F or CSTR 147 F or CSTR 148 F or CSTR 149 F, with a grade of C or better.	20	Students in this course use construction and industrial type tools and equipment, which, contain sharp cutting edges, high RPMs, and are electrically energized. These tools and equipment can present a danger to students if the correct safety methods and procedures are not used. Thus, proper supervision of a maximum of 20 students is a required. This requirement has been approved by the Construction Technology Advisory Committee and aligns with the maximum number of students allowed for safety concerns per the National Science Teacher Association Safety Advisory Board Study in 2014, which, shows that injuries increase dramatically with class sizes above 20. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in CurricUNET.	Six-year ~~Program~~ Review, Course numbering to '100' to align with other courses.	Fall 2027
CSTR 106 F	Prerequisite: NONE	20	Students in this course use industrial type	Six-Year Review. This course will replace CSTR	Fall 2027

Residential Plumbing and Mechanical Systems Units: 3 Lecture: 2.5 Laboratory: 1.5			equipment and tools which use electrical current. Electricity can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.	006F. Please see spreadsheet listing entitled "CSTR course renumbering spreadsheet" for impacted courses/programs.	
CSTR 107 F Residential Electrical Systems Units: 3 Lecture: 2.5 Laboratory: 1.5	NONE	20	Students in this course use industrial type equipment and tools which use electrical current. Electricity can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.	Course alignment with '100' number designation / Addition of additional lecture time needed / Has laboratory activities / Six-year Review update. This course will replace CSTR 007 F.	Fall 2027
CSTR 108 F Surveying for Builders Units: 2 Lecture: 1 Laboratory: 3	None	20	Maximum number of students allowed per the request of the advisory committee is 20. This number is also in alignment with the National Science Teacher Association Safety	Six-Year Review.	Fall 2027

			Advisory Board Study in 2014 which shows that injuries increase dramatically with class sizes above 20. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.		
CSTR 109 F Construction Plans Reading Units: 3 Lecture: 3 Laboratory: 0	NONE	35	Students are engaged in practicing the skill(s) they are learning such as print reading and planning. The instructor gives each student individual instruction as the class proceeds and evaluates their progress.	Six-year Review / Course numbering is adjusting with '100' level alignment / Course formally CSTR 030 F.	Fall 2027
CSTR 110 F Residential Estimating Units: 3 Lecture: 3 Laboratory: 0	None	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	Six-Year Review.	Fall 2027
CSTR 112 F Construction Materials, Specifications and Purchasing Units: 2 Lecture: 2 Laboratory: 0	None	35	Instructor lectures much of the class time with discussions, group learning, and informal student presentations/reports. Instructional videos or media may be used to support lectures or group learning. Evaluation is primarily through objective exams/quizzes, writing assignments and class participation. Written report assignments are assessed mostly for concepts and structure.	Six-Year Review. Remove Distance Education (hybrid). Remove Distance Education (online asynchronous).	Fall 2027
CSTR 116 F Residential Construction Practice I Units: 4 Lecture: 2 Laboratory: 6	None	20	Students in this course use industrial type equipment and tools with sharp cutting edges being used by students in a lab to cut wood parts. These machines have rotating metal cutters which can present a danger to students if the correct	Six-year Review.	Fall 2027

			methods and procedures are not used hence proper supervision of students is a must. 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.		
CSTR 118 F Residential Construction Practice II Units: 4 Lecture: 2 Laboratory: 6 **Reqs: MSP**	Prerequisites: CSTR 102 F, with a grade of C or better and CSTR 116 F, with a grade of C or better.	20	Students in this course use industrial type equipment and tools with sharp cutting edges being used by students in a lab to cut wood parts. These machines have rotating metal cutters which can present a danger to students if the correct methods and procedures are not used hence proper supervision of students is a must. 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. Advisory Committee minutes and NSTA Safety study are posted in Attached Files in Curricunet.	Six-year Review.	Fall 2027
CSTR 120 F Remodeling and Additions Construction I Units: 4 Lecture: 2 Laboratory: 6 **Reqs: MSP**	Prerequisite: CSTR 100 F with a grade of C or better.	20	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. Due to space constraints, 20 students maximize limited space to	Course is under Six-Year Review / realigning to fit into all courses in '100' numbering / formally CSTR 020 F.	Fall 2027

			practice safely without injuries.		
CSTR 122 F Remodeling and Additions Construction II Units: 4 Lecture: 2 Laboratory: 6 **Reqs: MSP**	Prerequisites: CSTR 102 F with a grade of C or better, and CSTR 120 F, with a grade of C or better.	20	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. Due to space constraints, 20 students maximize limited space to practice safely without injuries.	Course is under Six-Year Review / realigning to fit into all courses in '100' numbering / formally CSTR 022 F. This course has no program impacts. Please see spreadsheet listing entitled "CSTR course renumbering spreadsheet" for impacted courses/programs. This course will replace CSTR 022F. This course has a pre-requisite of CSTR 120F and CSTR 102F.	Fall 2027

Voting Members:	Present	Role:
William Cowieson	N	MATH/CSCI Division Rep
Allen Menton	Y	Fine Arts Division Rep
Michael Moore	Y	BUS/CIS Division Rep
George Bonnand	Y	Technology and Engineering Division Rep
Guy Dadson	Y	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	Y	COUN Division Rep
Kelly Nelson-Wright	Y	Social Sciences Division Rep
Amber Gonzalez	Y	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	Y	PE Division Rep
David Brown	Y	LIB Division Rep
Geoff Smith	Y	Humanities Division Rep

Course Hours Revisions for Student-Centered Funding Formula

Course Prefix and Number	Units	Current Hours	Proposed Hours	Effective Term	Justification for Proposal
CIS 205 F Advanced Spreadsheet (MS Excel) **MSP as a BLOCK**	3 units	3 hours lecture, 1 hour lab	3 hours lecture	2027 Fall	Fast-track proposal revision to change lab hours in order to fit the Student-Centered Funding Formula (SCFF)
CIS 229 F XML Programming	3 units	3 hours lecture, 1 hour lab	3 hours lecture	2027 Fall	Fast-track proposal revision to change lab hours in order to fit the Student-Centered Funding Formula (SCFF)
CIS 270 F SQL Server Administration	3 units	3 hours lecture, 1 hour lab	3 hours lecture	2027 Fall	Fast-track proposal revision to change lab hours in order to fit the Student-Centered Funding Formula (SCFF)
CIS 280 F Introduction to Oracle: SQL and PL/SQL	3 units	3 hours lecture, 1 hour lab	3 hours lecture	2027 Fall	Fast-track proposal revision to change lab hours in order to fit the Student-Centered Funding Formula (SCFF)
CIS 281 F Introduction to Networking Hardware	3 units	3 hours lecture, 1 hour lab	3 hours lecture	2027 Fall	Fast-track proposal revision to change lab hours in order to fit the Student-Centered Funding Formula (SCFF)

CIS 286 F Web Server Management	3 units	3 hours lecture, 1 hour lab	3 hours lecture	2027 Fall	Fast-track proposal revision to change lab hours in order to fit the Student-Centered Funding Formula (SCFF)
CIS 287 F Exchange Server	3 units	3 hours lecture, 1 hour lab	3 hours lecture	2027 Fall	Fast-track proposal revision to change lab hours in order to fit the Student-Centered Funding Formula (SCFF)

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George Bonnand	Y	Technology and Engineering Division Rep
Guy Dadson	Y	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	Y	COUN Division Rep
Kelly Nelson-Wright	Y	Social Sciences Division Rep
Amber Gonzalez	Y	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	Y	PE Division Rep
David Brown	Y	LIB Division Rep
Geoff Smith	Y	Humanities Division Rep

Course Deactivations

Program	Justification	Effective Term
CSTR 005 F Construction Technology Lab MSP as a BLOCK	Course Deactivation with program impacts.	Fall 2027
CSTR 006 F Residential Plumbing and Mechanical Systems	Course Deactivation with program impacts.	Fall 2027
CSTR 007 F Residential Electrical Systems	Course Deactivation with program impacts.	Fall 2027
CSTR 014 F Contractor's License Law	Course Deactivation with program impacts.	Fall 2027
CSTR 015 F Construction Management	Course Deactivation with program impacts.	Fall 2027
CSTR 016 F Business Administration for the Construction Industry	Course Deactivation with program impacts.	Fall 2027
CSTR 020 F Remodeling and Additions Construction I	Course Deactivation with program impacts.	Fall 2027
CSTR 022 F Remodeling and Additions Construction II	Course Deactivation with program impacts.	Fall 2027
CSTR 028 F Introduction to Alternative Energy	Course Deactivation with program impacts.	Fall 2027
CSTR 030 F Construction Plans Reading	Course Deactivation with program impacts.	Fall 2027
CSTR 031 F International Building Code	Course Deactivation with program impacts.	Fall 2027
CSTR 032 F Uniform Plumbing Code	Course Deactivation with program impacts.	Fall 2027
CSTR 033 F Commercial Construction Blueprint Reading	Course Deactivation with program impacts.	Fall 2027
CSTR 034 F	Course Deactivation with program impacts.	Fall 2027

National Electrical Code		
CSTR 035 F California Accessibility and Energy Codes	Course Deactivation with program impacts.	Fall 2027
CSTR 038 F Uniform Mechanical Code	Course Deactivation with program impacts.	Fall 2027
CSTR 039 F Commercial Mechanical Code	Course Deactivation with program impacts.	Fall 2027
CSTR 040 F Building Design-Hazard Materials	Course Deactivation with program impacts.	Fall 2027
CSTR 041 F International Residential Code	Course Deactivation with program impacts.	Fall 2027
CSTR 042 F Residential Steel Frame Construction	Course Deactivation with program impacts.	Fall 2027
CSTR 050 F Computer Design Software for the Contractor	Course Deactivation with program impacts.	Fall 2027
CSTR 060 F Computer Estimating in Construction	Course Deactivation with program impacts.	Fall 2027
CSTR 065 F Construction Project Scheduling	Course Deactivation with program impacts.	Fall 2027

Voting Members:	Present	Role:
William Cowieson	**N**	MATH/CSCI Division Rep
Allen Menton	**Y**	Fine Arts Division Rep
Michael Moore	**Y**	BUS/CIS Division Rep
George Bonnand	**Y**	Technology and Engineering Division Rep
Guy Dadson	**Y**	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	**Y**	COUN Division Rep
Kelly Nelson-Wright	**Y**	Social Sciences Division Rep
Amber Gonzalez	**Y**	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	**Y**	PE Division Rep
David Brown	**Y**	LIB Division Rep
Geoff Smith	**Y**	Humanities Division Rep

New Programs

MSP for CSTR NEW Programs as a BLOCK

Voting Members:	Present	Role:
William Cowieson	**N**	MATH/CSCI Division Rep
Allen Menton	**Y**	Fine Arts Division Rep
Michael Moore	**Y**	BUS/CIS Division Rep
George Bonnand	**Y**	Technology and Engineering Division Rep
Guy Dadson	**Y**	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	**Y**	COUN Division Rep
Kelly Nelson-Wright	**Y**	Social Sciences Division Rep
Amber Gonzalez	**Y**	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	**Y**	PE Division Rep
David Brown	**Y**	LIB Division Rep
Geoff Smith	**Y**	Humanities Division Rep

Construction Administrative Assistant Certificate

Effective: **Fall 2027**

The Construction Administrative Assistant Certificate will give the student the opportunity to gain knowledge and understanding of construction drawings, specifications and related construction documents. ~~This includes enhancing the student's abilities to interpret construction drawings and related specifications and contract documents.~~ Students may enter a variety of construction related fields such as junior estimator, assistant estimator, assistant program manager, assistant / associate project engineer, office administration, materials coordinator, material order desk, construction apprentice, real estate office technician, construction inspector, city or county building department personnel, material testing and related jobs. This certificate requires a total of 8 units. A grade of C or better is required in each course taken.

Program Justification

To enable the construction student to obtain an entry level position in the construction industry. Possible positions include: craft trades, estimating, field coordinators, and project engineers.

Required Courses (8 Units)		Units
CSTR 109 F	Construction Plans Reading	3
CSTR 112 F	Construction Materials, Specifications and Purchasing	2
CSTR 123 F	Commercial / Industrial Plans Reading	3
Total Units		**8**

Construction Management Certificate

The Construction Management Certificate is designed to prepare students for employment in the construction industry. This program prepares students for a variety of careers in the construction industry and related fields, such as estimators, project managers, project engineers, project coordinators, and schedulers, specifiers, quality control supervisors, materials testers, construction materials and equipment salespersons, owners' representatives and site inspectors. Individuals interested in developing a small independent construction contracting businesses will also find this program useful toward achieving that goal. This certificate requires a total of 30-34 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.

Program Justification

This program will enable the construction student to obtain an entry level position in the construction industry.

Restricted Electives (30-34 units)		**Units**
ACCT 101AF	Financial Accounting	5
BUS 100 F	Introduction to Business	3
BUS 180 F	Small Business Management	3
CIS 100 F	Introduction to Personal Computers	4
CSTR 100 F	Residential Construction	4
CSTR 109 F	Construction Plans Reading	3
CSTR 110 F	Residential Estimating	3
CSTR 112 F	Construction Materials, Specifications and Purchasing	2
CSTR 114 F	Contractor's License Law	3
CSTR 115 F	Construction Management	3
CSTR 124 F	Construction Safety	3
CSTR 129 F	Contractor Operations Management	3
Total Units		**30 - 34**

Counseling Associate in Arts Degree

Effective: **Fall 2027**

The Counseling Associate in Arts Degree provides foundational knowledge and practical skills in personal development, academic and career planning, interpersonal communication, and life-span growth. The curriculum emphasizes student success strategies, human development principles, career exploration, diversity awareness, assertive communication, and financial life skills. The Counseling Associate in Arts Degree provides foundational knowledge and practical skills in personal development, academic and career planning, interpersonal communication, and life-span success strategies. The curriculum emphasizes student success strategies, diversity awareness, career exploration, assertive communication, and financial life skills. The degree is designed to support students interested in careers related to educational support services, peer mentoring, and student success programs while providing a foundation for continued study in counseling-related fields. This degree requires 22-25 units in the major, in addition to other graduation requirements.

Required Courses (18-19 units)		**Units**
COUN 101 F	The College Experience	2
COUN 151 F	Career and College Success	3
COUN 152 F	Diversity in the World of Work	3
COUN 160 F	Academic Success	3
COUN 163 F	Personal Growth and Life Success	3
STAT C1000	Introduction to Statistics	4
or		
STAT C1000H	Introduction to Statistics - Honors	4
or		
STAT C1000E	Introduction to Statistics	5
Restricted Electives (4-6 units)		
COUN 100 F	Orientation for College Success	1
COUN 102 F	Transfer Planning	2
COUN 110 F	Teaching As A Career	3
BUS 271 F	Leadership and Business Ethics	3
COUN 135 F	Introduction to Leadership Development	3
COUN 135HF	Honors Introduction to Leadership Development	3
COUN 140 F	Educational Planning	0.5
COUN 141 F	Career Exploration	1
COUN 143 F	Creative Job Search	1
COUN 148 F	Human Potential	1
COUN 161 F	Assertion Skills/Communication	2
BUS 101 F	Personal Financial Management	3
COUN 193 F	Financial Life Skills	2
Total Units		**22 – 25**

Motion to end discussion: MSP

Voting Members:	Present	Role:
William Cowieson	Y	MATH/CSCI Division Rep
Allen Menton	Y	Fine Arts Division Rep
Michael Moore	Y	BUS/CIS Division Rep
George Bonnand	Y	Technology and Engineering Division Rep
Guy Dadson	N	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	Y	COUN Division Rep
Kelly Nelson-Wright	Y	Social Sciences Division Rep
Amber Gonzalez	Y	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	Y	PE Division Rep
David Brown	N	LIB Division Rep

Geoff Smith	Y	Humanities Division Rep

Motion to approve Counseling AA Degree: MSNP (Curriculum chair tie-breaker, voted NO)
Degree proposal did not pass

Voting Members:	Present	Role:
William Cowieson	N	MATH/CSCI Division Rep
Allen Menton	N	Fine Arts Division Rep
Michael Moore	N	BUS/CIS Division Rep
George Bonnand	Y	Technology and Engineering Division Rep
Guy Dadson	Abstain	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	Y	COUN Division Rep
Kelly Nelson-Wright	N	Social Sciences Division Rep
Amber Gonzalez	Y	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	Y	PE Division Rep
David Brown	N	LIB Division Rep
Geoff Smith	Y	Humanities Division Rep

Facilities Management Associate in Science Degree

Effective: **Fall 2027**

The Facilities Management Associate in Science Degree equips students with the foundational knowledge and practical skills needed to manage and maintain building systems, infrastructure, and workspaces effectively. This program emphasizes operational efficiency, safety, and sustainability, preparing graduates for entry-level positions in the facilities management field. Students will learn about building operations, maintenance strategies, space planning, and energy management through hands-on training and real-world applications. Coursework also includes an introduction to project management, budgeting, safety protocols, and emerging technologies such as Computerized Maintenance Management Systems (CMMS) and Building Information Modeling (BIM). Graduates will be equipped with the tools to support organizations in maintaining functional, safe, and cost-effective facilities. The program is ideal for individuals seeking to begin a career in facilities management or advance their existing knowledge and skills. This degree requires a total of 34-35 units in addition to other graduation requirements. At least one half of the units toward the certificate must be completed at Fullerton College.

Program Justification

This program will enable the construction student to obtain an entry level position in the construction industry.

Required Courses (31 units)		**Units**
ACCT 101AF	Financial Accounting	5
CSTR 100 F	Residential Construction	4
CSTR 102 F	Residential Finish Construction	4
CSTR 109 F	Construction Plans Reading	3
CSTR 124 F	Construction Safety	3
CSTR 145 F	Building Energy Efficiency	3
CSTR 148 F	Facility Management	3
CSTR 149 F	Facility Operation Management	3
CSTR 150 F	Facility Asset Management	3

Restricted Electives (3-4 units)		**Units**
BUS 100 F	Introduction to Business	3
CIS 100 F	Introduction to Personal Computers	4
CSTR 123 F	Commercial / Industrial Plans Reading	3
HORT 165 F	Landscape Management	4
IDES 110 F	Drafting for Interior Design	3
RE 205 F	Property Management	3

Total Units	**34 - 35**

Facilities Management Certificate

Effective: **Fall 2027**

The Facilities Management Certificate equips students with the essential skills and knowledge to effectively manage and optimize facilities and their assets. This program blends theoretical foundations with practical applications, preparing participants to oversee the planning, operation, and maintenance of physical spaces while aligning with organizational goals and industry standards. This degree requires a total of 34-35 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.~~

Program Justification

This program will enable the construction student to obtain an entry level position in the construction industry.

Required Courses (31 units)		**Units**
ACCT 101AF	Financial Accounting	5
CSTR 100 F	Residential Construction	4
CSTR 102 F	Residential Finish Construction	4
CSTR 109 F	Construction Plans Reading	3
CSTR 124 F	Construction Safety	3
CSTR 145 F	Building Energy Efficiency	3
CSTR 148 F	Facility Management	3
CSTR 149 F	Facility Operation Management	3
CSTR 150 F	Facility Asset Management	3
Restricted Electives (3-4 units)		**Units**
BUS 100 F	Introduction to Business	3
CIS 100 F	Introduction to Personal Computers	4
CSTR 123 F	Commercial / Industrial Plans Reading	3
HORT 165 F	Landscape Management	4
IDES 110 F	Drafting for Interior Design	3
IDES 175 F	Space Planning II	3
RE 205 F	Property Management	3
Total Units:		34 - 35

Facility Maintenance Technician Certificate

Effective: **Fall 2027**

The Facilities Maintenance Technician (FMT) Certificate provides foundational knowledge and hands-on training in essential building maintenance tasks. Certificate holders are equipped to perform maintenance and repair duties that ensure the proper functioning and upkeep of buildings and assets across commercial, industrial, and residential facilities. Key skills covered include conducting routine inspections, performing minor repairs, and carrying out preventive maintenance on critical building systems such as plumbing, electrical, and basic HVAC. Additionally, FMTs may support senior management by overseeing vendor work and adhering to established protocols to maintain a safe and efficient work environment. Earning the Facilities Maintenance Technician Certificate demonstrates the recipient's strong attention to detail, proficiency with hand and power tools, and commitment to workplace safety - essential attributes for success in this field. This certificate requires a total of 35-36 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.

Program Justification

New Certificate-A facility maintenance certificate is often required because it validates that a professional has the knowledge, skills, and competencies to manage and maintain facilities effectively, safely, and in compliance with industry standards. This type of certificate ensures competency and safety Facilities maintenance is no longer just about “keeping things running.” Modern roles require expertise in safety, compliance, sustainability, and operational efficiency.

Required Courses (33 units)		Units
CSTR 100 F	Residential Construction	4
CSTR 102 F	Residential Finish Construction	4
CSTR 104 F	Concrete and Masonry	3
CSTR 106 F	Residential Plumbing and Mechanical Systems	3
CSTR 107 F	Residential Electrical Systems	3
CSTR 123 F	Commercial / Industrial Plans Reading	3
CSTR 124 F	Construction Safety	3
CSTR 125 F	Forklifts and Manlifts in Construction	2
CSTR 145 F	Building Energy Efficiency	3
CSTR 146 F	Facility Maintenance Technician 1	2
CSTR 147 F	Facility Maintenance Technician 2	3
Restricted Electives (2-3 units)		
CSTR 126 F	EV Charging - Installation and Maintenance	2
CSTR 127 F	Commercial Electric Systems	3
CSTR 128 F	PV Solar - Installation and Maintenance	3
Total Units:		**35 - 36**

Residential Construction Technician Certificate

Effective: **Fall 2027**

The Residential Construction Technician Certificate program is designed to prepare students for a rewarding career in the residential construction industry. This high school and college prep-program combines classroom instruction with practical hands-on training, providing participants with entry level skills and knowledge needed to excel in a variety of construction roles. This certificate requires a total of 11 units. A grade of C or better is required in each course taken.

Program Justification

This program will enable the construction student to obtain an entry level position in the construction industry.

Required Courses		**Units**
CSTR 116 F	Residential Construction Practice I	4
CSTR 118 F	Residential Construction Practice II	4
CSTR 129 F	Contractor Operations Management	3
Total Units:		**11**

Revised Programs

Business Administration Associate in Arts Degree **TABLED**
Effective: **Fall 2027**

The Business Administration Associate in Arts Degree provides a strong foundation in core business principles, including marketing, finance, management, and communication. Designed for students seeking immediate entry into the workforce or career growth, this degree equips graduates with versatile skills applicable in nearly every industry. From managing operations to supporting customer engagement, the knowledge gained prepares students for administrative and entry-level management roles. Whether you're starting your career or looking to move up, this degree helps you stand out in a competitive job market. This degree requires the completion of 18 to 22 units, in addition to other graduation requirements.

Required Courses (3 units):		**Units**
BUS 101 F	Personal Financial Management	3

Restricted Electives (15-19 units)

ACCT 100 F	Small Business Accounting	3
or		
ACCT 101AF	Financial Accounting	5
or		
ACCT 102HF	Honors Financial Accounting	5
BUS 100 F	Introduction to Business	3
BUS 131 F	Principles of International Business	3
BUS 180 F	Small Business Management	3
or		
BUS 181 F	The Entrepreneurial Mindset	3
BUS 211 F	Critical Reasoning and Writing for Business	3
or		
BUS 211HF	Honors Critical Reasoning and Writing for Business	3
BUS 240 F *	Legal Environment of Business	3
or		
BUS 240HF *	Honors Legal Environment of Business	3
or		
BUS 245 F *	Business Law I	3
BUS 246 F	Business Law II	3
BUS 255 F	Introduction to Business and Data Analytics	3
BUS 256 F	Artificial Intelligence and Prompt Engineering for Business	3
CIS 100 F	Introduction to Personal Computers	4
or		
CIS 100HF	Honors Introduction to Personal Computers	4
or		
CIS 111 F	Introduction to Information Systems	4
or		
CIS 111HF	Honors Introduction to Information Systems	4
or		
CIS 201 F	Introduction to Python Programming	3
BUS 162 F	Business Economics	3
or		
ECON C2001	Principles of Microeconomics	3
or		
ECON C2001H	Principles of Microeconomics - Honors	3
ECON C2002	Principles of Macroeconomics	3
or		
ECON C2002H	Principles of Macroeconomics - Honors	3
BUS 151 F	Business Mathematics	3
or		
MATH 130 F	Calculus for Business	4
or		
MATH C2210	Calculus I: Early Transcendentals	4
or		
MATH C2210H	Calculus I: Early Transcendentals - Honors	4
MKT 100 F	Introduction to Marketing	3
or		
MKT 151 F	Digital Marketing	3
PSY 161 F	Elementary Statistics for Behavioral Science	4
or		
PSY 161HF	Honors Elementary Statistics for Behavioral Science	4
or		
STAT C1000	Introduction to Statistics	4
or		
SOSC 120 F	Introduction to Probability and Statistics	4
or		
STAT C1000H	Introduction to Statistics - Honors	4
or		
STAT C1000E	Introduction to Statistics	5
Total Units		**18 - 22**

*See counselor for determination of correct course.

California General Education Transfer Curriculum (Cal-GETC) Certificate **MSP**
Effective: **Fall 2027**

The California General Education Transfer Curriculum (Cal-GETC) Certificate will permit a student to transfer from a California Community College (CCC) to a California State University (CSU) or a University of California (UC) campus or program without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements. For most students, it is strongly recommended that students complete Cal-GETC prior to transfer. Advantages of completing Cal-GETC may include more flexibility in class selection at the university and timely progress to degree completion. All CSUs and most UC campuses and programs will accept certified Cal-GETC completion as satisfying lower-division general education requirements. Courses must be on the college's approved Cal-GETC list at the time the course was completed. Students should confer with their counselor regarding these requirements. A grade of C or better is required in each course taken. This certificate requires a total of 34-46 units.

Program Justification
AREA 1 - ENGLISH COMMUNICATION: 1 course from each subareas - 3 courses (10-12 units)

AREA 1 - English Communication: 1 Course from each Subareas - 3 Courses (10-12 Units)		
1A English Composition:		**Units**
ENGL C1000	Academic Reading and Writing	4
or		
ENGL C1000H	Academic Reading and Writing - Honors	4
or		
ENGL C1000E	Academic Reading and Writing	5
or		
ENGL 110 F	Enhanced College Writing for Non-Native Speakers	5
1B Critical Thinking - English Composition:		**Units**
COMM 135 F	Essentials of Argumentation	3
ENGL C1001	Critical Thinking and Writing	4
or		
ENGL C1001H	Critical Thinking and Writing - Honors	4
ENGL C1003	Critical Thinking and Writing Through Literature	4
PHIL 172 F	Critical Thinking and Writing	3
READ 142 F	College Reading: Logical Analysis and Evaluation	3
1C Oral Communication:		
COMM C1000	Introduction to Public Speaking	3
AREA 2 - Mathematical Concepts and Quantitative Reasoning: 1 course (3-6 units)		**Units**
MATH 100 F	Liberal Arts Mathematics	3
or		
MATH 100HF	Honors Liberal Arts Mathematics	3
MATH 130 F	Calculus for Business	4
or		
MATH 131 F	Calculus for Business with Support	5
MATH 140 F	Precalculus	6
MATH 141 F	College Algebra	4
or		
MATH 141HF	Honors College Algebra	4
or		
MATH 143 F	College Algebra with Support	5
MATH C2210	Calculus I: Early Transcendentals	4
or		
MATH C2210H	Calculus I: Early Transcendentals - Honors	4
MATH C2220	Calculus II: Early Transcendentals	4
or		
MATH C2220H	Calculus II: Early Transcendentals - Honors	4
MATH 170 F	Discrete Structures	5
MATH 171 F	Discrete Mathematics	4
MATH 172 F	Introduction to Linear Algebra	3
MATH 251 F	Multivariable Calculus	4
MATH 252 F	Linear Algebra and Differential Equations	4
MATH 255 F	Linear Algebra	3
MATH 260 F	Ordinary Differential Equations	3
PSYC 161 F	Elementary Statistics for Behavioral Science	4

or		
PSYC 161HF	Honors Elementary Statistics for Behavioral Science	4
or		
SOSC 120 F	Introduction to Probability and Statistics	4
or		
STAT C1000	Introduction to Statistics	4
or		
STAT C1000H	Introduction to Statistics - Honors	4
or		
STAT C1000E	Introduction to Statistics	5

AREA 3 - Arts and Humanities: 2 courses (6-8 units). One from the Arts and one from the Humanities.
***Course can be used only in one area (from Area 1 to 6).**

3A Arts:		**Units**
ART 100 F	Fundamentals of Art	3
ARTH 100 F	Introduction to Visual Culture	3
ARTH 105 F	Africa, Oceania, and Native American Art History	3
ARTH 115 F	American Art History	3
ARTH 120 F	Asian Art History	3
ARTH 125 F	Gender and Women in Art History	3
ARTH 130 F	Global Contemporary Art History	3
ARTH 135 F	Latin America - Mexican Art History	3
ARTH 140 F	Latin America - Ancient/Indigenous Art History	3
ARTH 145 F	Latin America - Colonial-Contemporary Art History	3
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or		
ARTH C1200H	Survey of Art from the Renaissance to Contemporary - Honors	3
ARTH 160 F	Western Art History - 19th to 21st Century	3
ARTH 165HF	Honors Creative Arts - Art	3
CRTV 126AF	World Cinema to 1945	3
CRTV 126BF	World Cinema 1946 to Present	3
CRTV 131 F	Contemporary American Cinema	3
DANC 100 F	Dance Appreciation	3
DANC 120 F	Dance History	3
DANC 200 F	Dance Appreciation: A Classical Ballet Retrospective	3
DANC 210 F	Multicultural Dance in the U.S. Today	3
ENGL 208 F	Introduction to Film Studies	3
MUS 113 F	Jazz History - An Appreciation	3
MUS 116 F	Music Appreciation	3
MUS 118 F	Introduction to Opera	3
MUS 119 F	History of Rock Music	3
MUS 120 F	Survey of Music History	3
THEA 100 F	Introduction to the Theatre	3
THEA 104 F	Introduction to Theatre Appreciation	3
THEA 105 F	Musical Theatre History	3
THEA 113 F	Theatre History I	3
THEA 165HF	Honors Creative Arts - Theatre	3

3B Humanities:		**Units**
ASL 101 F	American Sign Language I	4
ASL 102 F	American Sign Language II	4
ASL 203 F	American Sign Language III	4
ASL 204 F	American Sign Language IV	4
ASL 206 F	American Deaf Cultures	3
CHIN 203 F	Intermediate Chinese Mandarin III	4
CHIN 204 F	Intermediate Chinese Mandarin IV	4
FREN 203 F	Intermediate French III	4
FREN 204 F	Intermediate French IV	4
GERM 203 F	Intermediate German III	4
GERM 204 F	Intermediate German IV	4
ITAL 203 F	Intermediate Italian III	4
ITAL 204 F	Intermediate Italian IV	4
JAPN 203 F	Intermediate Japanese III	4

JAPN 204 F	Intermediate Japanese IV	4
KOR 201 F	Korean For Korean Speakers	5
KOR 203 F	Intermediate Korean III	4
KOR 204 F	Intermediate Korean IV	4
SPAN 201 F	Spanish for the Spanish Speaker	5
SPAN 203 F	Intermediate Spanish III	4
SPAN 204 F	Intermediate Spanish IV	4
SPAN 205 F	Introduction to Spanish Literature	3
SPAN 206 F	Introduction to Latin American Literature	3
CDES 242 F	Introduction to Liberal Studies	3
ENGL C1002	Introduction to Literature	3
or		
ENGL C1002H	Introduction to Literature - Honors	3
ENGL 203 F	Introduction to Dramatic Literature	3
ENGL 204 F	Introduction to Poetry	3
ENGL 207 F	The Short Story	3
ENGL 211 F	British Literature to 1800	3
or		
ENGL 211HF	Honors British Literature to 1800	3
ENGL 212 F	British Literature since 1800	3
or		
ENGL 212HF	Honors British Literature since 1800	3
ENGL 221 F	American Literature to the Civil War	3
or		
ENGL 221HF	Honors American Literature to the Civil War	3
ENGL 222 F	American Literature from the Civil War to the Present	3
or		
ENGL 222HF	Honors American Literature from the Civil War to the Present	3
ENGL 224 F	World Literature through the Early Modern Period	3
or		
ENGL 224HF	Honors World Literature through the Early Modern Period	3
ENGL 225 F	World Literature since the Early Modern Period	3
or		
ENGL 225HF	Honors World Literature since the Early Modern Period	3
ENGL 234 F	Introduction to Shakespeare	3
or		
ENGL 234HF	Honors Introduction to Shakespeare	3
ENGL 239 F	Survey of Children's Literature	3
ENGL 240 F	Survey of Young Adult Literature	3
ENGL 243 F	Folklore and Mythology	3
or		
ENGL 243HF	Honors Folklore and Mythology	3
ENGL 245 F	The Bible as Literature	3
ENGL 246 F	The Novel	3
ENGL 248 F	Science Fiction	3
ENGL 249 F	Survey of Chicano/a Literature	3
ENGL 250 F	Introduction to African American and Black Literature	3
ENGL 251 F	Introduction to Native American Literature	3
ENGL 253 F	Introduction to Asian American Literature	3
ENGL 256 F	Introduction to Queer Literature	3
ETHS 130 F *	African-American History I	3
or		
ETHS 130HF *	Honors African-American History I	3
ETHS 151 F *	Chicana/o History I	3
ETHS 160 F *	American Indian History	3
ETHS 171 F *	Asian Pacific Islander American History	3
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
HIST 112 F *	World Civilizations to 1550	3
or		

HIST 112HF *	Honors World Civilizations to 1550	3
HIST 113 F *	World Civilizations Since 1550	3
or		
HIST 113HF *	Honors World Civilizations Since 1550	3
HIST 127 F *	Survey of United States History	3
HIST 151 F	Survey of British History I	3
HIST 152 F	Survey of British History II	3
HIST 154 F *	Ancient Egypt	3
HIST 160 F	Asian Civilizations I	3
HIST 161 F	Asian Civilizations II	3
HIST 165 F	Introduction to the Middle East	3
or		
HIST 165HF	Honors Introduction to the Middle East	3
HIST C1001	United States History to 1877	3
or		
HIST C1001H	United States History to 1877 - Honors	3
HIST C1002	United States History since 1865	3
or		
HIST C1002H	United States History since 1865 - Honors	3
HIST 190 F	History of the Americas I	3
HIST 191 F	History of the Americas II	3
HIST 270 F	Women in United States History	3
HIST 275 F	History of California	3
PHIL 100 F	Introduction to Philosophy	3
or		
PHIL 100HF	Honors Introduction to Philosophy	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	3
PHIL 160 F	Introduction to Ethics	3
PHIL 195 F	Women's Issues in Philosophy	3
PHIL 200 F	Introduction to Christianity	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		
PHIL 202HF	Honors History of Philosophy: Modern and Contemporary	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
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

Area 4 - Social and Behavioral Sciences: 2 courses (6-7 units). Select from two (2) different disciplines. PSY and PSYC are considered the same discipline. POSC and POLS are considered the same discipline.
*Course can be used only in one area (from Area 1 to 6).
PLEASE NOTE: CSUs have a graduation requirement in U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS that can be fulfilled by selecting:
1) POLS C1000 or POLS C1000H and
2) one of the following courses: ETHS 101 F or 101HF, 130 F or 130HF, 131 F, 152 F, 160 F; HIST 127 F, 170 F or 170HF, 171 F or 171HF, 190 F, 191 F, 270 F
Alternatively, this graduation requirement may be completed at the CSU after transfer as it is not a required part of this certificate.

Units

ANTH 102 F	Cultural Anthropology	3
or		
ANTH 102HF	Honors Cultural Anthropology	3
ANTH 103 F	Introduction to Archaeology	3
or		
ANTH 103HF	Honors Introduction to Archaeology	3
ANTH 105 F	Language and Culture	3
or		
ANTH 105HF	Honors Language and Culture	3
ANTH 106 F	World Prehistory	3
ANTH 107 F	Anthropology of Magic, Witchcraft, and Religion	3
or		
ANTH 107HF	Honors Anthropology of Magic, Witchcraft and Religion	3
ANTH 209 F	Cultures of Latin America	3
or		
ANTH 209HF	Honors Cultures of Latin America	3
ANTH 211 F	Celtic Cultures	3
or		
ANTH 211HF	Honors Celtic Cultures	3
ANTH 215 F	Global Issues in Anthropological Perspective	3
CDEV C1000	Child Growth and Development	3
COMM C1004	Interpersonal Communication	3
COMM 120 F	Intercultural Communication	3
COUN 152 F	Diversity in the World of Work	3
ECON C2001	Principles of Microeconomics	3
or		
ECON C2001H	Principles of Microeconomics - Honors	3
ECON C2002	Principles of Macroeconomics	3
or		
ECON C2002H	Principles of Macroeconomics - Honors	3
ETHS 101 F *	History of Race and Power in the U.S.	3
or		
ETHS 101HF *	Honors History of Race and Power in the U.S.6	3
ETHS 111 F *	Women of Color in the U.S.	3
or		
ETHS 111HF *	Honors Women of Color in the U.S.	3
ETHS 129 F *	Introduction to African American Studies	3
or		
ETHS 129HF *	Honors Introduction to African American Studies	3
ETHS 130 F *	African-American History I	3
or		
ETHS 130HF *	Honors African-American History I	3
ETHS 131 F *	African American History II	3
ETHS 150 F *	Introduction to Chicana/o Studies	3
or		
ETHS 150HF *	Honors Introduction to Chicana/o Studies	3
ETHS 151 F *	Chicana/o History I	3
ETHS 152 F *	Chicana/o History II	3
ETHS 153 F *	Chicana/o and Latina/o Contemporary Issues	3
or		
ETHS 153HF *	Honors Chicana/o and Latina/o Contemporary Issues	3
ETHS 159 F *	Introduction to American Indian Studies	3
ETHS 160 F *	American Indian History	3
ETHS 162 F	Introduction to Federal Indian Law and Policy	3
ETHS 170 F *	Introduction to Asian Pacific Islander American Studies	3
ETHS 171 F *	Asian Pacific Islander American History	3
ETHS 201 F *	Chicana and Latina Feminisms	3
ETHS 202 F	Race, Ethnicity, and Popular Culture	3
ETHS 210 F *	Ethnic Studies for Educators Seminar	3
ETHS 220 F *	Mental Health in Black Communities	3
ETHS 235 F *	U.S. Racial Liberation Movements	3
or		
ETHS 235HF *	Honors U.S. Racial Liberation Movements	3
GEOG 100 F	Global Geography	3

or		
GEOG 100HF	Honors Global Geography	3
GEOG 120 F	Global Environmental Problems	3
GEOG 130 F	California Geography	3
GEOG 160 F	Cultural Geography	3
HIST 112 F *	World Civilizations to 1550	3
or		
HIST 112HF *	Honors World Civilizations to 1550	3
HIST 113 F *	World Civilizations Since 1550	3
or		
HIST 113HF *	Honors World Civilizations Since 1550	3
HIST 120 F	African Civilizations to 1880	3
HIST 121 F	African Civilizations since 1880	3
HIST 127 F *	Survey of United States History	3
HIST 154 F *	Ancient Egypt	3
HIST 270 F *	Women in United States History	3
or		
HIST 270HF	Honors Women in United States History	3
HIST 273 F	United States Environmental History	3
or		
HIST 273HF	Honors United States Environmental History	3
PE 248 F	Foundations of Sport and Exercise Psychology	3
POLS C1000	American Government and Politics	3
or		
POLS C1000H	American Government and Politics - Honors	3
POLS 110 F	Contemporary American Politics	3
or		
POLS 110HF	Honors Contemporary American Politics	3
POLS 120 F	Introduction to Political Theory	3
POLS 200 F	Introduction to the Study of Politics	3
POLS 215 F	Comparative Politics	3
POLS 216 F	Government and Politics of the Middle East	3
POLS 220 F	Introduction to Public Administration	3
POLS 230 F	Introduction to International Relations	3
POLS 250 F	Gender and Politics	3
PSYC C1000	Introduction to Psychology	3
or		
PSYC C1000H	Introduction to Psychology - Honors	3
PSYC 120 F	Human Sexuality	3
PSYC 131 F	Cross Cultural Psychology	3
PSYC 139 F	Developmental Psychology: Life Cycle	3
PSYC 145 F	Child Psychology	3
PSYC 202 F	Research Methods in Psychology	4
or		
PSYC 202HF	Honors Research Methods in Psychology	4
PSYC 221 F	The Brain and Behavior	3
PSYC 222 F	Abnormal Psychology	3
PSYC 225 F	Psychology of Prejudice and Discrimination	3
PSYC 251 F	Social Psychology	3
or		
PSYC 251HF	Honors Social Psychology	3
SOCI C1000	Introduction to Sociology	3
or		
SOCI C1000H	Introduction to Sociology - Honors	3
SOCI 102 F	Social Problems	3
SOCI 201 F	Dying and Death	3
SOCI 230 F	Sociology of Gender	3
or		
SOCI 230HF	Honors Sociology of Gender	3
SOCI 250 F	Sociology of Aging	3
SOCI 275 F	Sociology of the Family	3
or		
SOCI 275HF	Honors Sociology of the Family	3
SOCI 277 F	Sociology of Religion	3

or		
SOCI 277HF	Honors Sociology of Religion	3
SOCI 280 F	Media, Culture and Society	3
SOCI 285 F	Drugs and Society	3
or		
SOCI 285HF	Honors Drugs and Society	3
SOCI 290 F	Sociology of Race and Ethnicity	3
or		
SOCI 290HF	Honors Sociology of Race and Ethnicity	3
SOCI 292 F	Introduction to Criminology	3
or		
SOCI 292HF	Honors Introduction to Criminology	3
SOCI 295 F	Social Inequality	3
or		
SOCI 295HF	Honors Social Inequality	3
SOSC 125 F	Introduction to Research Methods	3
SOSC 130 F	Introduction to LGBTQ Studies	3
WMNS 100 F	Introduction to Women's Studies	3
or		
WMNS 100HF	Honors Introduction to Women's Studies	3

Area 5 - Physical and Biological Sciences: At least 2 courses (6-10 units). One lecture course is required from each area 5A and 5B. One matching lab from area 5C must be included for Physical Science or Biological Science if lecture and lab are taken separately. ++ means the course meet the laboratory requirement.

5A Physical Science		**Units**
ASTR C1001	Introduction to Astronomy	3
or		
ASTR C1001H	Introduction to Astronomy - Honors	3
CHEM 100 F ++	Chemistry for Daily Life	4
CHEM 101 F ++	Chemistry for Allied Health Science	5
CHEM 103 F	Chemistry in a Changing World	3
CHEM 107 F ++	Preparation for General Chemistry	5
CHEM 111AF ++	General Chemistry I	5
CHEM 111BF ++	General Chemistry II	5
ESC 100 F	Physical Geology	3
ESC 101 F	Earth Science Survey	3
ESC 103 F ++	Historical Geology	4
ESC 105 F	Introduction to Weather and Climate	3
ESC 107 F ++	Earth Science for Educators	4
ESC 110 F	Introduction to Climate Science	3
ESC 120 F	Geology of California	3
ESC 130 F	Introduction to Oceanography	3
or		
ESC 130HF	Honors Introduction to Oceanography	3
ESC 190 F	Environmental Geology	3
GEOG 102 F	Physical Geography	3
or		
GEOG 102HF	Honors Physical Geography	3
PHYS 120 F	Relativity for Poets	3
PHYS 130 F ++	Elementary Physics	4
PHYS 205 F ++	Physics for the Life Sciences I	4
PHYS 206 F ++	Physics for the Life Sciences II	4
PHYS 210 F ++	Physics with Calculus for the Life Sciences I	4
PHYS 211 F ++	Physics with Calculus for the Life Sciences II	4
PHYS 221 F ++	General Physics I	4
PHYS 222 F ++	General Physics II	4
PHYS 223 F ++	General Physics III	4
5B Biological Science:	Units	
ANAT 231 F ++	General Human Anatomy	4
ANAT 240 F ++	Human Physiology	5
ANTH C1001	Introduction to Biological Anthropology	3
or		
ANTH C1001H	Introduction to Biological Anthropology - Honors	3
BIOL 100 F	Principles of Biology	4

BIOL C1000 ++	Introduction to Biology with Lab	5
or		
BIOL C1000H ++	Introduction to Biology with Lab - Honors	5
BIOL 102 F	Human Biology	3
BIOL 108 F	Plants and People	3
BIOL 109 F	Genetics and Biotechnology in Society	3
BIOL 170 F ++	Organismal Biology	5
BIOL 190 F	Introduction to Biotechnology	3
BIOL 222 F ++	Marine Biology	3
BIOL 272 F ++	Cell and Molecular Biology	4
BIOL 274 F ++	General Ecology	4
ENVS 105 F	Environmental Biology	3
MICR 262 F ++	General Microbiology	5
PSY 221 F *	The Brain and Behavior	3
5C Science Laboratory:	Units	
ANTH C1001L ++	Introduction to Biological Anthropology Lab	1
ASTR C1001L	Introduction to Astronomy Lab	1
BIOL 102LF ++	Human Biology Laboratory	1
BIOL 190LF ++	Introduction to Biotechnology Lab	1
ENVS 105LF ++	Environmental Biology Lab	1
ESC 100LF ++	Physical Geology Lab	1
ESC 101LF ++	Earth Science Survey Lab	1
ESC 105LF ++	Introduction to Weather and Climate Laboratory	1
ESC 116LF ++	Astronomy Lab	1
ESC 130LF ++	Introduction to Oceanography Field Experience	1
GEOG 102LF ++	Physical Geography Lab	1

Area 6 - Ethnic Studies: 1 course (3 units). Substitutions with courses not approved for AREA 7 or completed prior to Fall 2023 are not permitted.
*Course can be used only in one area (from Area 1 to 6).

		Units
ETHS 101 F *	History of Race and Power in the U.S.	3
or		
ETHS 101HF *	Honors History of Race and Power in the U.S.	3
ETHS 111 F *	Women of Color in the U.S.	3
or		
ETHS 111HF *	Honors Women of Color in the U.S.	3
ETHS 129 F *	Introduction to African American Studies	3
or		
ETHS 129HF *	Honors Introduction to African American Studies	3
ETHS 130 F *	African-American History I	3
or		
ETHS 130HF *	Honors African-American History I	3
ETHS 131 F *	African American History II	3
ETHS 150 F *	Introduction to Chicana/o Studies	3
or		
ETHS 150HF *	Honors Introduction to Chicana/o Studies	3
ETHS 151 F *	Chicana/o History I	3
ETHS 153 F *	Chicana/o and Latina/o Contemporary Issues	3
or		
ETHS 153HF *	Honors Chicana/o and Latina/o Contemporary Issues	3
ETHS 160 F *	American Indian History	3
ETHS 170 F *	Introduction to Asian Pacific Islander American Studies	3
ETHS 171 F *	Asian Pacific Islander American History	3
ETHS 210 F *	Ethnic Studies for Educators Seminar	3
ETHS 235 F *	U.S. Racial Liberation Movements	3
or		
ETHS 235HF *	Honors U.S. Racial Liberation Movements	3
Total Units		**34 - 46**

Voting Members:	Present	Role:
William Cowieson	N	MATH/CSCI Division Rep
Allen Menton	Y	Fine Arts Division Rep

Michael Moore	**Y**	BUS/CIS Division Rep
George Bonnand	**Y**	Technology and Engineering Division Rep
Guy Dadson	**Y**	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	**Abstain**	COUN Division Rep
Kelly Nelson-Wright	**Y**	Social Sciences Division Rep
Amber Gonzalez	**Y**	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	**Y**	PE Division Rep
David Brown	**Y**	LIB Division Rep
Geoff Smith	**Y**	Humanities Division Rep

MSP as a Block for CSTR Revised Programs

Voting Members:	Present	Role:
William Cowieson	**N**	MATH/CSCI Division Rep
Allen Menton	**Y**	Fine Arts Division Rep
Michael Moore	**Y**	BUS/CIS Division Rep
George Bonnand	**Y**	Technology and Engineering Division Rep
Guy Dadson	**Y**	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	**Abstain**	COUN Division Rep
Kelly Nelson-Wright	**Y**	Social Sciences Division Rep
Amber Gonzalez	**Y**	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	**Y**	PE Division Rep
David Brown	**Y**	LIB Division Rep
Geoff Smith	**Y**	Humanities Division Rep

Construction Estimating Skills Certificate
Effective: **Fall 2027**
The Construction Estimating Certificate is designed to prepare students to perform estimations and bidding of construction work which is part of the construction building trade as well as other professions associated closely with the trade. Students will study the phases of a building construction project to develop an overview and understanding of the building construction industry. The Construction Estimating Certificate requires a total of 17 units in required courses. 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.

Program Justification
Six-Year Review. Course numbering to 100 level.

Required Courses (17 units)	Units	
CSTR 109 F	Construction Plans Reading	3
CSTR 110 F	Residential Estimating	3
CSTR 112 F	Construction Materials, Specifications and Purchasing	2
CSTR 115 F	Construction Management	3
CSTR 141 F	Computer Estimating in Construction	3
CSTR 142 F	Construction Scheduling	3
Total Units		**17**

Construction Inspection Associate in Science Degree
Effective: **Fall 2027**
The Construction Inspection Associate in Science Degree is designed to prepare students with building code knowledge for entry-level employment in the construction industry. This degree requires the completion of 37 units, in addition to other graduation requirements. At least one half of the units toward the degree must be completed at Fullerton College.

Program Justification
Course renumbering to be 100 level. Change unit total FROM 21 TO 37 due to increased number of courses that were added.

Required Courses (37 units): **Units**

CSTR 100 F	Residential Construction	4
CSTR 104 F	Concrete and Masonry	3
CSTR 106 F	Residential Plumbing and Mechanical Systems	3
CSTR 107 F	Residential Electrical Systems	3
CSTR 109 F	Construction Plans Reading	3
CSTR 124 F	Construction Safety	3
CSTR 130 F	International Residential Code	3
CSTR 131 F	International Building Code	3
CSTR 132 F	Uniform Plumbing Code	3
CSTR 134 F	National Electrical Code	3
CSTR 135 F	California Accessibility and Energy Codes	3
CSTR 136 F	Uniform Mechanical Code	3
Total Units		**37**

Construction Inspection Certificate
Effective: **Fall 2027**

The Construction Inspection Certificate is designed to prepare students to become building inspectors, construction inspectors, public works and facility inspectors or similar occupations. Construction and building inspectors ensure that new construction, changes, or repairs comply with local and national building codes and ordinances, zoning regulations, and contract specifications. This certificate requires a total of 35-37 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.

Program Justification
Course numbering to 100 level. Program unit change FROM 28-30 TO 35-37. Courses added to program to enhance student knowledge.

Required Courses (25 units)		**Units**
CSTR 100 F	Residential Construction	4
CSTR 124 F	Construction Safety	3
CSTR 131 F	International Building Code	3
CSTR 132 F	Uniform Plumbing Code	3
CSTR 134 F	National Electrical Code	3
CSTR 135 F	California Accessibility and Energy Codes	3
CSTR 136 F	Uniform Mechanical Code	3
CSTR 130 F	International Residential Code	3
Restricted Electives (10-12 units)		**Units**
CSTR 104 F	Concrete and Masonry	3
CSTR 106 F	Residential Plumbing and Mechanical Systems	3
CSTR 108 F	Surveying for Builders	2
CSTR 109 F	Construction Plans Reading	3
TECH 081 F	Technical Mathematics I	3
TECH 088 F	Technical Science	3
TECH 127 F	Industrial Safety	2
Total Units		**35 - 37**

Construction Management Associate in Science Degree
Effective: **Fall 2027**

The Construction Management Associate in Science Degree is designed to prepare students for employment in the construction industry. This program prepares students for a variety of careers in the construction industry and related fields, such as estimators, project managers, project coordinators, project engineers and schedulers, specifiers, quality control supervisors, materials testers, construction materials and equipment salespersons, owners' representatives and site inspectors. Individuals interested in developing a small independent construction contracting business will also find this program useful toward achieving that goal. This degree requires a total of 30-34 units in addition to other graduation requirements. A grade of C or better is required in each course taken. At least one half of the units toward the degree must be completed at Fullerton College.

Program Justification
Six-year Review. Course numbering to 100 level. Program units revised FROM 24-27 units TO 30-34 units.

Restricted Electives (30-34 units)		**Units**
ACCT 101AF	Financial Accounting	5

BUS 100 F	Introduction to Business	3
BUS 180 F	Small Business Management	3
CIS 100 F	Introduction to Personal Computers	4
CSTR 100 F	Residential Construction	4
CSTR 109 F	Construction Plans Reading	3
CSTR 110 F	Residential Estimating	3
CSTR 112 F	Construction Materials, Specifications and Purchasing	2
CSTR 114 F	Contractor's License Law	3
CSTR 115 F	Construction Management	3
CSTR 124 F	Construction Safety	3
CSTR 129 F	Contractor Operations Management	3
Total Units		**30 - 34**

Construction Technology Associate in Science Degree
Effective: **Fall 2027**

The Construction Technology Associate in Science Degree is designed to prepare students for positions in the construction trade. A student can seek employment in private or public organizations as a cost estimator; project planner; construction coordinator; building inspector; and a variety of other positions associated with the construction and building trade. The course work in this degree also helps the student prepare for California Contractors State Board Examination. This degree requires the completion of 24-27 units, in addition to other graduation requirements. At least one half of the units toward the degree must be completed at Fullerton College.

Program Justification
Six-Year Review. Course numbering to 100 level.

Restricted Electives (24-27 units)		**Units**
Complete 24-27 units from the following list:		
CSTR 100 F	Residential Construction	4
CSTR 102 F	Residential Finish Construction	4
CSTR 104 F	Concrete and Masonry	3
CSTR 106 F	Residential Plumbing and Mechanical Systems	3
CSTR 107 F	Residential Electrical Systems	3
CSTR 108 F	Surveying for Builders	2
CSTR 109 F	Construction Plans Reading	3
CSTR 110 F	Residential Estimating	3
CSTR 112 F	Construction Materials, Specifications and Purchasing	2
CSTR 114 F	Contractor's License Law	3
CSTR 116 F	Residential Construction Practice I	4
CSTR 118 F	Residential Construction Practice II	4
CSTR 124 F	Construction Safety	3
CSTR 143 F	Cold Formed Steel Framing	3
Total Units		**24 - 27**

Construction Technology Certificate
Effective: **Fall 2027**

The Construction Technology Certificate is designed to lead to entry-level employment in the construction industry as well as industry related positions. A student can seek employment in private or public organizations as a cost estimator; project planner; construction coordinator; building inspector; and a variety of other positions associated with the construction and building trade. This certificate requires a total of 24-27 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.

Program Justification
Six-Year Review. Course numbering to 100 level. Program unit change FROM 29-32.5 units TO 24-27 units.

Restricted Electives (24-27 units)		**Units**
Complete 24-27 units from the following list:		
CSTR 100 F	Residential Construction	4
CSTR 102 F	Residential Finish Construction	4
CSTR 104 F	Concrete and Masonry	3
CSTR 106 F	Residential Plumbing and Mechanical Systems	3
CSTR 107 F	Residential Electrical Systems	3

CSTR 108 F	Surveying for Builders	2
CSTR 109 F	Construction Plans Reading	3
CSTR 110 F	Residential Estimating	3
CSTR 112 F	Construction Materials, Specifications and Purchasing	2
CSTR 114 F	Contractor's License Law	3
CSTR 116 F	Residential Construction Practice I	4
CSTR 118 F	Residential Construction Practice II	4
CSTR 124 F	Construction Safety	3
CSTR 143 F	Cold Formed Steel Framing	3
Total Units		**24 - 27**

Museum Assistant Certificate **TABLED**
Effective: **Fall 2027**

The Museum Assistant Certificate is designed to provide students with the entry-level skills for the growing global art market. This certificate is ideal for students seeking careers in art museums, galleries, or cultural centers as well as arts professionals who seek to upgrade their knowledge and improve their marketability. Students learn to prepare gallery walls, handle artwork safely, pack and ship artwork, hang artwork, light artwork appropriately, write and create labels and didactic materials, research and lay out an exhibition through hands-on experience. This certificate requires the completion of 17-19 units. A grade of C or better is required in each course taken.

Program Justification
Adding the following courses to restricted electives: ARTH 105 Africa, Oceania, and Native American Art History, ARTH 110 African Art and the Diaspora This revision reflects the following courses added as options for restricted electives: ARTH 170HF The Museum Experience, ARTH 105HF Africa, Oceania, and Native American Art History, ARTH 110HF African Art and the Diaspora, ARTH 120HF Asian Art History, ARTH 125HF Gender and Women in Art History, ARTH 135HF Latin America - Mexican Art History, ARTH 150HF Western Art History - Prehistory to 14th Century

Required Courses (14-16 units)		**Units**
ARTH 170 F	The Museum Experience	3
or		
ARTH 170HF	Honors The Museum Experience	3
ARTH 175 F	Introduction to Museum and Gallery Studies	3
ARTH 176 F	Museum Studies - Exhibition Production	3
ARTH 177 F	Museum Studies - Exhibition Design and Careers	3
ARTH 295 F	Museum Studies Internship I	2 - 4
Restricted Elective - Material Culture Course (choose one for 3 units)		
ARTH 105 F	Africa, Oceania, and Native American Art History	3
or		
ARTH 105HF	Honors Africa, Oceania, and Native American Art History	3
ARTH 110 F	African Art and the Diaspora	3
or		
ARTH 110HF	Honors African Art and the Diaspora	3
ARTH 115 F	American Art History	3
ARTH 120 F	Asian Art History	3
or		
ARTH 120HF	Honors Asian Art History	3
ARTH 125 F	Gender and Women in Art History	3
or		
ARTH 125HF	Honors Gender and Women in Art History	3
ARTH 130 F	Global Contemporary Art History	3
ARTH 135 F	Latin America - Mexican Art History	3
or		
ARTH 135HF	Honors Latin America - Mexican Art History	3
ARTH 140 F	Latin America - Ancient/Indigenous Art History	3
ARTH 145 F	Latin America - Colonial-Contemporary Art History	3
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
or		
ARTH C1200H	Survey of Art from the Renaissance to Contemporary - Honors	3
ARTH 160 F	Western Art History - 19th to 21st Century	3
ANTH 101 F	Biological Anthropology	3
or		

ANTH 101HF	Honors Biological Anthropology	3
ANTH 103 F	Introduction to Archaeology	3
or		
ANTH 103HF	Honors Introduction to Archaeology	3
ANTH 107 F	Anthropology of Magic, Witchcraft, and Religion	3
or		
ANTH 107HF	Honors Anthropology of Magic, Witchcraft and Religion	3
ANTH 209 F	Cultures of Latin America	3
or		
ANTH 209HF	Honors Cultures of Latin America	3
ETHS 129 F	Introduction to African American Studies	3
ETHS 153 F	Chicana/o and Latina/o Contemporary Issues	3
ETHS 153HF	Honors Chicana/o and Latina/o Contemporary Issues	3
ETHS 160 F	American Indian History	3
ETHS 170 F	Introduction to Asian Pacific Islander American Studies	3
Total Units		**17 - 19**

Elementary Teacher Education: Integrated Programs Associate in Arts for Transfer **MSP**
Effective: **Fall 2027**

The Elementary Teacher Education: Integrated Programs Associated in Arts Degree for Transfer (AA-T), also called the Elementary Teacher Education: Integrated Programs AA-T Degree, prepares students to transfer to CSU campuses that offer bachelor's degrees in Liberal Studies or Integrated Teacher Education Programs. Ed Code Section 66746-66749 states students earning the Elementary Teacher Education: Integrated Programs AA-T degree will be granted priority for admission as a Liberal Studies or Integrated Teacher Education Program major to a local CSU, as determined by the CSU campus to which the student applies. The Elementary Teacher Education: Integrated Programs AA-T Degree is designed for students who will be transferring to a four-year institution, obtaining a Bachelor's degree and pursuing a teaching credential through a California State University (CSU) integrated or traditional teacher preparation program. Course and degree requirements may vary at each CSU campus therefore it is important that students consult with a Fullerton College Teacher Preparation Counselor and respective university transfer representative to confirm program requirements and transferable work. 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. (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) 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. The Elementary Teacher Education: Integrated Programs AA-T Degree requires a total of 41-43 units.

Program Justification

Six-Year Review. PROGRAM UNIT revision FROM: 53-56 units TO: 41-43 units.

Required Core Courses: (26-27 units)		**Units**
BIOL C1000	Introduction to Biology with Lab	5
	or	
BIOL C1000H	Introduction to Biology with Lab – Honors	5
CDEV C1000	Child Growth and Development	3
CDES 261 F	Introduction to Elementary Classroom Teaching	3
COMM C1000	Introduction to Public Speaking	3
ENGL C1000	Academic Reading and Writing	4
	or	
ENGL C1000H	Academic Reading and Writing - Honors	4
ENGL 239 F	Survey of Children's Literature	3
	or	
ENGL C1002	Introduction to Literature	3
	or	
ENGL C1002H	Introduction to Literature - Honors	3
	or	
HIST 112 F	World Civilizations to 1550	3
	or	
HIST 112HF	Honors World Civilizations to 1550	3
HIST C1001	United States History to 1877	3
	or	

HIST C1001H	United States History to 1877 - Honors	3
POLS C1000	American Government and Politics	3
	or	
POLS C1000H	American Government and Politics - Honors	3

List A (8 units) Select at least two courses from the following:		Units
CHEM 100 F	Chemistry for Daily Life	4
	and	
PHYS 130 F	Elementary Physics	4
ESC 101 F	Earth Science Survey	3
	and	
ESC 101LF	Earth Science Survey Lab	1
ESC 107 F	Earth Science for Educators	4

List B (3 units) Select one course from the following:		Units
ARTH 100 F	Introduction to Art and Visual Culture	3
ARTH 120 F	Asian Art History	3
DANC 100 F	Dance Appreciation	3
MUS 116 F	Music Appreciation	3
THEA 100 F	Introduction to the Theatre	3

List C (4-5 units) Select one course from the following: (or any course not selected above)		Units
PSYC 161 F	Elementary Statistics for Behavioral Science	4
	or	
PSYC 161HF	Honors Elementary Statistics for Behavioral Science	4
	or	
SOSC 120 F	Introduction to Probability and Statistics	4
	or	
STAT C1000	Introduction to Statistics	4
	or	
STAT C1000H	Introduction to Statistics - Honors	4
	or	
STAT C1000E	Introduction to Statistics	5

Total Units	41 - 43

Voting Members:	Present	Role:
William Cowieson	N	MATH/CSCI Division Rep
Allen Menton	Y	Fine Arts Division Rep
Michael Moore	Y	BUS/CIS Division Rep
George Bonnand	Y	Technology and Engineering Division Rep
Guy Dadson	Y	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	Y	COUN Division Rep
Kelly Nelson-Wright	Y	Social Sciences Division Rep
Amber Gonzalez	Y	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	Y	PE Division Rep
David Brown	Y	LIB Division Rep
Geoff Smith	Y	Humanities Division Rep

Kinesiology Associate in Arts Degree for Transfer **MSP**

Effective: **Fall 2027**

The Kinesiology Associate in Arts Degree for Transfer (AA-T), also called the Kinesiology AA-T Degree, prepares students to transfer to CSU campuses that offer a bachelor's degree in Kinesiology. Ed Code Section 66746-66749 states students earning the Kinesiology AA-T

degree will be granted priority for admission as a Kinesiology major to a local CSU, as determined by the CSU campus to which the student applies. Students with a degree in Kinesiology may pursue careers in a variety of allied health and science-based professions including physical training, physical therapy, fitness instruction, coaching and athletics. The completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for upper-division work. The Kinesiology AA-T Degree requires a total of 22-26 units in required courses and restricted electives from the categories below as indicated. 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) – Breadth Requirements. (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. 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.

Program Justification:

Removal of PE 203 F and PE 204 F to accommodate fast-track unit revisions and the desire to align the curriculum of this program with its intent. The total units have been revised FROM 22-26.5 units TO 22-26 units.

Required Courses (15-16 Units)		**Units**
ANAT 231 F	General Human Anatomy	4
ANAT 240 F	Human Physiology	5
PE 252 F	Introduction to Kinesiology	3
Movement Based Courses-Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three units: Aquatics, Combatives, Team Sports, Individual Sports, Fitness, or Dance.		
Aquatics		
PE 134 F	Beginning Swimming	1
PE 149 F	Swim for Fitness	1
PE 151 F	Aqua Aerobics	1
PE 192 F	Water Polo	1
Combatives		
PE 103 F	Akido	1
PE 112 F	Fencing	1
PE 163 F	Kickboxing	1
PE 188 F	Self Defense-Boxing	1
Fitness		
PE 102 F	Yoga	1
PE 104 F	Spinning	1
PE 114 F	High Intensity Interval Training	1
PE 121 F	Walking for Fitness	1
PE 129 F	Cardio Step	1
PE 165 F	Lifetime Fitness	1
PE 167 F	Cardio Kickboxing	1
PE 182 F	Body Building/Body Development and Weight Lifting	1
PE 193 F	Weight Training/Weight Lifting	1
Individual Sports		
PE 105 F	Badminton	1
PE 115 F	Golf	1
PE 117 F	Gymnastics – Tumbling	1
PE 127 F	Racquetball-Indoors	1
PE 139AF	Beginning Tennis	1
Team Sports		
PE 181 F	Intermediate/Advanced Basketball	1

PE 189 F	Soccer II	1
Dance		
DANC 111 F	Jazz I	1
DANC 113 F	Tap Dance I	1
DANC 114 F	Tap Dance II	1
DANC 115 F	Hip Hop Dance I	1
DANC 116 F	Social Dance	1
DANC 140 F	Introduction to Ballet	2
DANC 141 F	Ballet I: Beginning Ballet	2
DANC 142 F	Ballet II: Advanced Beginning Ballet	2
DANC 143 F	Ballet III: Intermediate Ballet	2
DANC 160 F	Introduction to Modern Dance	2
DANC 161 F	Beginning Modern Dance	2
DANC 162 F	Advanced Beginning Modern Dance	2
DANC 163 F	Intermediate Modern Dance	2

Restricted Electives Select courses (minimum 7 units) from the following (7-10 units total)		Units
CHEM 101 F	Chemistry for Allied Health Science	5
	or	
CHEM 111AF	General Chemistry I	5
PE 235 F	First Aid, CPR, and Safety Education	3
PHYS 205 F	Physics for the Life Sciences I	4
	or	
PHYS 210 F	Physics with Calculus for the Life Sciences I	4
PSYC 161 F	Elementary Statistics for Behavioral Science	4
	or	
PSYC 161HF	Honors Elementary Statistics for Behavioral Science	4
	or	
SOSC 120 F	Introduction to Probability and Statistics	4
	or	
STAT C1000	Introduction to Statistics	4
	or	
STAT C1000H	Introduction to Statistics - Honors	4
	or	
STAT C1000E	Introduction to Statistics	5

Total Units	**22 - 26**

Voting Members:	Present	Role:
William Cowieson	N	MATH/CSCI Division Rep
Allen Menton	Y	Fine Arts Division Rep
Michael Moore	Y	BUS/CIS Division Rep
George Bonnand	Y	Technology and Engineering Division Rep
Guy Dadson	Y	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	Y	COUN Division Rep
Kelly Nelson-Wright	Y	Social Sciences Division Rep

Amber Gonzalez	Y	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	Y	PE Division Rep
David Brown	Y	LIB Division Rep
Geoff Smith	Y	Humanities Division Rep

Special Education Certificate **MSP**

Effective: Fall 2027

The Special Education Certificate equips students with the essential knowledge, skills, and resources to effectively support children and adolescents with special needs. Through coursework focused on intervention strategies, adaptive curriculum design, and family engagement, students learn to foster inclusive and supportive learning environments. This certificate prepares students for employment as instructional aides in K–12 public schools and early childhood education programs serving children with identified special needs. This certificate requires the completion of 27 units. A grade of C or better is required in each course taken.

Program Justification

In addition to six year review we are updating the CDES Special Education Certificate to reflect the needs of both the private and public early childhood profession. All 4 core courses have been added to fulfill Title 22 Community Care Licensing and Title 5 preschool regulations in California requirements. PROGRAM UNIT CHANGE FROM:18 TO: 27.

Required Courses (27 units)		**Units**
CDES 115 F	Introduction to Early Childhood Education Curriculum	3
CDEV C1000	Child Growth and Development	3
CDES 122 F	Principles of Early Childhood Education	3
CDES 201 F	Child in the Home and Community	3
CDES 204 F	Introduction to Special Education	3
CDES 207 F	Principles and Techniques of Early Childhood Special Education with Field Experience	3
CDES 208 F	Working with Families of Children with Special Needs	3
CDES 209 F	The Role of the Para-Professional in Diverse Settings	3
CDES 211 F	Classroom Practices for Diverse Learners	3
Total Units		**27**

Voting Members:	Present	Role:
William Cowieson	N	MATH/CSCI Division Rep
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Michael Moore	Y	BUS/CIS Division Rep
George Bonnand	Y	Technology and Engineering Division Rep

Guy Dadson	Y	Tech Review Chair, Natural Sciences Div. Rep
Cristina Arellano	Y	COUN Division Rep
Kelly Nelson-Wright	Y	Social Sciences Division Rep
Amber Gonzalez	Y	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	Y	PE Division Rep
David Brown	Y	LIB Division Rep
Geoff Smith	Y	Humanities Division Rep

Program Revisions for Course Impacts

Program	Revision	Effective Term
Architectural CAD Technology Certificate **MSP as a BLOCK**	CSTR 130 F; CSTR 131 F	Fall 2027
Architecture AS	CSTR 135 F	Fall 2027
Architecture Historic Preservation Certificate	CSTR 135 F	Fall 2027
Commercial Interior Design Certificate	CSTR 109 F	Fall 2027
Interior Design AS	CSTR 109 F	Fall 2027
Residential Interior Design Certificate	CSTR 109 F	Fall 2027
Solar Panel Inspection Certificate	CSTR 128 F	Fall 2027

Voting Members:	Present	Role:
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Amber Gonzalez	Y	Ethnic Studies and Student Equity Division Rep
Yolanda Duron	Y	PE Division Rep
David Brown	Y	LIB Division Rep
Geoff Smith	Y	Humanities Division Rep