

## MEMORANDUM

**Faculty Senate approved March 25, 2021**

TO: Deans and Chairs

FROM: Becky Bitter, Sr. Assistant Registrar

DATE: March 17, 2021

SUBJECT: Minor Change Bulletin No. 10

The courses listed below reflect the minor curricular changes approved by the catalog editor since approval of the last Minor Change Bulletin. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	Revise Drop	Current	Proposed	Effective Date
CON E	252	Revise	<b>Construction Administration and Documentation 2</b> Course Prerequisite: CST M 254; <del>MATH 172</del> ; admitted to the major in Construction Engineering. Administrative procedures found within a heavy/civil construction project and respective documentation. Typically offered Fall.	<b>Construction Administration and Documentation 2</b> Course Prerequisite: CST M 254; admitted to the major in Construction Engineering; junior standing. Administrative procedures found within a heavy/civil construction project and respective documentation. Typically offered Fall.	8-21
CST M	254	Revise	<b>Construction Graphics 2 (1-2)</b> Course Prerequisite: Admitted to the major in Construction Management, Construction Engineering, or Civil Engineering. Visual literacy and details in construction documents using drawing techniques. Typically offered Fall.	<b>Construction Graphics 2 (1-2)</b> Course Prerequisite: <u>CST M 102 with a C or better</u> or <u>ENGR 120 with a C or better</u> ; admitted to the major in Construction Management, Construction Engineering, or Civil Engineering. Visual literacy and details in construction documents using drawing techniques. Typically offered Fall.	8-21
CST M	332	Revise	<b>Building Science I 3</b> Course Prerequisite: PHYSICS 101 with a C or better; admitted major in Architectural Studies or Construction Management. Mechanical systems for buildings; building heating, ventilating, and air conditioning systems, heat flow concepts. Typically offered Fall.	<b>Building Science I 3</b> Course Prerequisite: PHYSICS 101 with a C or better; <u>PHYSICS 111 with a C or better</u> ; admitted major in Architectural Studies or Construction Management. Mechanical systems for buildings; building heating, ventilating, and air conditioning systems, heat flow concepts. Typically offered Fall.	8-21

CST M	368	Revise	<b>Safety and Health 3</b> Course Prerequisite: Admitted to the major in Construction Management or Construction Engineering; junior standing. Role and function of safety and health in the construction industry including OSHA compliance, requirements and regulations. Typically offered Fall and Spring.	<b>Safety and Health 3</b> Course Prerequisite: CST M 356 with a C or better; admitted to the major in Construction Management or Construction Engineering; junior standing. Role and function of safety and health in the construction industry including OSHA compliance, requirements and regulations. Typically offered Fall and Spring.	8-21
CST M	473	Revise	<b>Human Productivity in Construction 3</b> Course Prerequisite: <del>CON E 252 with a C or better, CST M 301 with a C or better, or MGMT 301 with a C or better</del> ; admitted to the major in Construction Management or Construction Engineering. Leadership and management concepts and methods applied to human behavior to enhance motivation, productivity and safety in construction. Typically offered Spring.	<b>Human Productivity in Construction 3</b> Course Prerequisite: <u>CST M 460 with a C or better</u> ; admitted to the major in Construction Management or Construction Engineering. Leadership and management concepts and methods applied to human behavior to enhance motivation, productivity and safety in construction. Typically offered Spring.	8-21
CST M	485	Revise	<b>Mechanical, Electrical, and Plumbing I 3</b> Course Prerequisite: <del>Admitted to the major in Construction Management, Architectural Studies, Mechanical Engineering, or Electrical Engineering. Mechanical, Electrical, and Plumbing (MEP) portion of the construction industry, focusing on preconstruction services, design, sales and estimating, system, project management, sustainability, and the use of BIM as they relate to MEP. Two field trips required. Typically offered Spring.</del>	<b>Mechanical, Electrical, and Plumbing I 3</b> Course Prerequisite: <u>CST M 252 with a C or better</u> or <u>admitted to the major in Architectural Studies, Mechanical Engineering, or Electrical Engineering. Mechanical, Electrical, and Plumbing (MEP) portion of the construction industry, focusing on preconstruction services, design, sales and estimating, system, project management, sustainability, and the use of BIM as they relate to MEP. Two field trips required. Typically offered Spring.</u>	8-21
E M	480 / 580	Revise	<b>Quality Control and Reliability 3</b> Quality analysis, modeling process, product quality, statistical process control, process capability studies; sampling concepts, reality models, predictions, design testing.	<b>Quality Control and Reliability 3</b> Quality analysis, modeling process, product quality, statistical process control, process capability studies; sampling concepts, reality models, predictions, design testing. Credit	8-21

			Credit not granted for both E M 480 and E M 580. Recommended preparation: <del>STAT 430</del> . Offered at 400 and 500 level.	not granted for both E M 480 and E M 580. Recommended preparation: <u>an undergraduate course in statistics</u> . Offered at 400 and 500 level.	
E M	702	Drop	<b>Master's Special Problems, Directed Study, and/or Examination V 1-18</b> May be repeated for credit. Independent research in special problems, directed study, and/or examination credit for students in a non-thesis master's degree program. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 702 credit. S, U grading.	--N/A--	8-21
ED PSYCH	468	Revise	<b>Classroom Assessment, Secondary 3</b> Course Prerequisite: TCH LRN 317; TCH LRN 464; TCH LRN 465; <del>TCH LRN 466</del> ; for candidates admitted to teacher education (secondary education). Principles and practice of high-quality classroom assessment in secondary schools. Typically offered Fall and Spring.	<b>Classroom Assessment, Secondary 3</b> Course Prerequisite: TCH LRN 317; TCH LRN 464; TCH LRN 465; for candidates admitted to teacher education (secondary education). Principles and practice of high-quality classroom assessment in secondary schools. Typically offered Fall and Spring.	8-21
ENGR	107	Revise	<b>[QUAN] Introductory Mathematics for Engineering Applications 4 (3-3)</b> Course Prerequisite: <del>MATH 103</del> with a grade of C or better, or a minimum ALEKS math placement score of 70%. Application of mathematics principles to engineering problems across engineering disciplines; concepts from trigonometry to differential equations necessary for sophomore engineering courses. Typically offered Fall, Spring, and Summer.	<b>[QUAN] Introductory Mathematics for Engineering Applications 4 (3-3)</b> Course Prerequisite: <u>MATH 106</u> with a grade of C or better, or a minimum ALEKS math placement score of <u>75%</u> . Application of mathematics principles to engineering problems across engineering disciplines; concepts from trigonometry to differential equations necessary for sophomore engineering courses. Typically offered Fall, Spring, and Summer.	1-22
STAT	360	Revise	<b>Probability and Statistics 3</b> Course Prerequisite: MATH 172 or <del>MATH 182</del> . Probability models, sample spaces, random variables, distributions, moments, comparative experiments, tests,	<b>Probability and Statistics 3</b> Course Prerequisite: <u>MATH 140, 171, or 202, each with a C or better, or MATH 172 or 182</u> . Probability models, sample spaces, random variables, distributions, moments,	1-21

			correlation and regression in engineering applications. Credit not granted for both STAT 360 and 370. Typically offered Fall, Spring, and Summer. Cooperative: Open to UI degree-seeking students.	comparative experiments, tests, correlation and regression in engineering applications. Credit not granted for both STAT 360 and 370. Typically offered Fall, Spring, and Summer. Cooperative: Open to UI degree-seeking students.	
STAT	370	Revise	<b>Introductory Statistics for Engineers</b> 3 Course Prerequisite: MATH 172 or <del>MATH 182</del> . Probability axioms, probability models, random variables, expectation, confidence intervals, hypothesis testing, analysis of variance, control charts. Credit not granted for both STAT 360 and 370. Typically offered Fall, Spring, and Summer.	<b>Introductory Statistics for Engineers</b> 3 Course Prerequisite: <u>MATH 140, 171, or 202 with a C or better, or MATH 172 or 182</u> . Probability axioms, probability models, random variables, expectation, confidence intervals, hypothesis testing, analysis of variance, control charts. Credit not granted for both STAT 360 and 370. Typically offered Fall, Spring, and Summer.	5-21
TCH LRN	467	Revise	<b>[M] Adolescence, Community, and School</b> 3 Course Prerequisite: TCH LRN 317; TCH LRN 464; TCH LRN 465; <del>TCH LRN 466</del> ; for candidates admitted to teacher education (secondary education). Understanding the socio-cultural dynamics of adolescence and youth cultures and the roles they play in secondary schools. Typically offered Fall and Spring.	<b>[M] Adolescence, Community, and School</b> 3 Course Prerequisite: TCH LRN 317; TCH LRN 464; TCH LRN 465; for candidates admitted to teacher education (secondary education). Understanding the socio-cultural dynamics of adolescence and youth cultures and the roles they play in secondary schools. Typically offered Fall and Spring.	8-21
TCH LRN	470	Revise	<b>Special Education, Transition, and Classroom Management for Secondary General Education Teachers</b> 3 Course Prerequisite: TCH LRN 317; TCH LRN 464; TCH LRN 465; <del>TCH LRN 466</del> ; for candidates admitted to teacher education (secondary education). Overview of special education topics, transition practices, and classroom management techniques for general education classrooms. Typically offered Fall and Spring.	<b>Special Education, Transition, and Classroom Management for Secondary General Education Teachers</b> 3 Course Prerequisite: TCH LRN 317; TCH LRN 464; TCH LRN 465; for candidates admitted to teacher education (secondary education). Overview of special education topics, transition practices, and classroom management techniques for general education classrooms. Typically offered Fall and Spring.	8-21