S INDICATES COURSE IS OFFERED SPRING SEMESTER

## CONSTRUCTION MANAGEMENT FLOWCHART

## Academic Year 2022-23



This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

Updated 05/20/2022

**HASS** courses

Su INDICATES COURSE IS OFFERED SUMMER SEMESTER (L) INDICATES A COURSE WHICH INCLUDES A LAB MUST BE SCHEDULED IN ADDITION TO THE LECTURE

Total Academic Credits: 128

Total Co-Curricular Units: 3

(C) INDICATES THE COURSE CAN EITHER BE TAKEN AT THE SAME TIME (CO-REQ) OR TAKEN PRIOR TO THE COURSE (PRE-REQ) Year 2 Year 3 Fall Year 1 Spring Fall Spring Fall Spring Fall Year 4 Spring SR STDN, CMG 3200, CMG 3250. JR STDN, CMG 4120 (C), CMG 4210, HU 3120 JR. STDG **BUS 2200 OR** MA 2720 ANY HASS/HASS UN1015 CMG 4200 EC 3400 CEE 4905 (L) CEE3332 MA 1032 GE 2000 (L) **BUSINESS ELECTIVE** UN1025 STATISTICAL RESTRICTED CONSTRUCTION **ECONOMIC DECISION** ENG. DESIGN **PRECALCULUS** UNDERSTANDING SEE BACK METHODS COURSE CONTRACTS ANALYSIS **PROJECT** (4 CREDITS) THE EARTH (3 CREDITS) (4 CREDITS) (3 CREDITS) (3 CREDITS) (3 CREDITS) (3 CREDITS) F, S, Su (3 CREDITS) F, S F, S, Su F, S, Su F, S, Su F, S F, S -OR-JR STDN & **NON-PH STEM** JR STDN & (CMG3265 or CEE3332) (ACC 2000 OR CEE3332 OR EC3400) MA 1032 COURSE FROM SCIENCE COURSE LIST CMG 4120 (L) CMG 1000 (L) CMG 4300 CEE 3101 (L) CMG 1200 (L) EC 2001 TECHNICAL ELECTIVE F, S CONSTRUCTION INTRO TO CONST. CIVIL ENG. CONSTRUCTION INTRO TO BIM PRINCIPLES OF ECON SEE BACK PLANNING & SCHED MANAGEMENT FINANCE & ACC. MATERIALS (3 CREDITS) (3 CREDITS) (3 CREDITS) (3 CREDITS) (2 CREDITS) (3 CREDITS) (3 CREDITS) S F, S, Su F, S, Su F, S F CMG 2140 (L) **BUILDING MATERIALS** JR STDN, & METHODS JR STDN & JR STDN PH1240 (C) CEE3332 OR (4 CREDITS) CEE3332 JR STDN CMG4200 CMG 2110 CMG 3250 CMG 3265 (L) CMG 4210 (L) CMG 4800 **BUS 2200** SU 2000 (L) **BUILDING UTILITY SUSTAINABLE BUSINESS LAW** STRUCTRUAL CONSTRUCTION COST CONSTRUCTION INTRO TO SURVEYING PH 1140 **SYSTEMS** CONSTRUCTION (3 CREDITS) ANALYSIS & DESIGN **ESTIMATING** PROJECT MGT (2 CREDITS) (4 CREDITS) CMG 2120 (L) (3 CREDITS) F, S F, S (3 CREDITS) (4 CREDITS) (4 CREDITS) STATICS/STRENGTH S OF MATERIALS MA 1032 (4 CREDITS) PH 1140 PH 1240 S APPLIED COLLEGE APPLIED COLLEGE JR STDN JR. STDG, UN1015, UN1025 PHYSICS I & LAB PHYSICS II SU 2000 SOPH STDN JR STDN (3 CREDITS) (3 CREDITS) ACC 2000 S CMG 3200 (L) CEE3332 CMG 4400 HU 2830 HU 3120 ACCOUNTING SITE PLANNING & FUNDAMENTALS OF CONSTRUCTION PUBLIC SPEAKING & TECH & PROF. COM. (C) (C) PRINCIPLES I DEVELOPMENT CONSTRUCTION SAFETY MGT MULTIMEDIA (3 CREDITS) (3 CREDITS) (3 CREDITS) (3 CREDITS) (4 CREDITS) (3 CREDITS) PH 1141 (L) F, S, Su PH 1200(L) F, S F, S S F, S, Su APPLIED COLLEGE PHYSIC BY INQUIRY II PHYSICS I LAB (1 CREDIT) (1 CREDIT) F. S. Su ς COURSES CAN BE TAKEN IN EITHER ORDER IN THE SOPHOMORE YEAR. CRITICAL/CREATIVE SOC RESP/ETHICAL **HUMANITIES &** COMPOSITION/ SOCIAL & \*\*\*UN 1025 **BUSINESS ELECTIVE UN 1015** THINKING REASONING FINE ARTS COMMUNICATION BEHAVIORAL SCI \*\*\* ONE GLOBAL ISSUES SEE BACK COMPOSITION (SEE LIST ON BACK) (SEELIST ON BACK) (SEE HASS LIST) SEMESTER OF (SEE HASS LIST) (SEE HASS LIST) (3 CREDITS) (3 CREDITS) (3 CREDITS) 3000 LEVEL (3 CREDITS) (3 CREDITS) (3 CREDITS) (3 CREDITS) (3 CREDITS) F, S, Su F, S F. S, Su OR HIGHER F, S, Su LANG UAGE COURSE CAN REPLACE UN1025 17 17 15 17 15 14 17 16 HASS ELECTIVES Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit • 6 credits must be upper-level (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) (3000-4000) F, S, Su Gen Ed Requirements UN1015 and UN1025 are prerequisites for all upper-level

NOTE: SEE REVERSE SIDE FOR EXPLANATION OF PROFESSIONAL ELECTIVES, GENERAL EDUCATION AND CO-CURRICULAR COURSES

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	<b>Business Electiv</b>	<u>ve List (6 credits)</u>	
	BUS 2300	Quantitative Problem Solving (F, S)	3 cr
	MGT 3000	Organizational Behavior (F, S)	3 cr.
	MKT 3000	Principles of Marketing (F, S, Su)	3 cr.
	OSM 3000	Operations & Supply Chain Management (F, S, Su)	3 cr.
	OSM 3150	Intro to Supply Chain Management (F)	3 cr.
	OSM 3600	Procurement and Supply Management (F)	3 cr.
	Technical Electi	ive List (3 credits)	
	BUS 2300	Quantitative Problem Solving (F, S)	3 cr.
	CEE 3331	Professional Practice (F, S)	2 cr.
	CEE 3401	Transportation Engineering (F, S)	3 cr.
	CEE 3490	Intro to Rail Transportation (F)	1 cr.
	CEE 4101	Bituminous Materials (F)	3 cr.
	CEE 4233	Structural Timber Design (S)	3 cr.
	CEE 4333	Estimating and Planning of Construction Proj. (S)	3 cr
	CMG 4000	Design-Build Project Delivery (On Demand)	3 cr.
	CMG 4100	Construction Equipment Management (On Demand)	3 cr.
	CMG 4996	Spec. Topics in CMG (On Demand)	var.
	CMG 4997	Ind. Study in CMG (On Demand)	var.
	CMG 4998	UG Research in CMG (On Demand)	var.
	ENT3959	Fundamentals of Six Sigma (F)	1 cr.
	ENT 3967	Design of Six Sigma (S)	1 cr.
	ENT 3984	Lean Six Sigma Principles (F)	1 cr.
	MGT 3000	Organizational Behavior (F, S)	3 cr.
	MKT 3000	Principles of Marketing (F, S, Su)	3 cr.
	OSM 3000	Operations & Supply Chain Management (F, S, Su)	3 cr.
	OSM 3150	Intro to Supply Chain Management (F)	3 cr.
	OSM 3600	Procurement and Supply Management (F)	3 cr.
	OSM 4650	Six Sigma Fundamentals (F, S)	3 cr.
	SU 2050	Plane Surveying (F)	4 cr.
	SU 2220	Route/Engineering Surveying (S)	3 cr.
	UN 3002	Undergrad Cooperative Education I (F, S, Su)	var.
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## **UNDERGRADUATE CATALOG:**

https://www.mtu.edu/catalog/courses/

## GENERAL EDUCATION (CO-CURRICULAR, HASS LIST, STEM LIST):

https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/

GENERAL EDUCATION REQUIREMENTS			
A. CORE COURSES (12 CREDITS)			
1. UN1015 (COMPOSITION)			
2. <b>UN1025</b> (GLOBAL ISSUES) or 3000+ level Modern Language Course			
3. CRITICAL AND CREATIVE THINKING			
ART1000, HU2130, HU2324, HU2501, HU2503, HU2538, HU2700, HU2820, HU2910, MUS1000, SND1000, SS2300, THEA1000			
4. SOCIAL RESP. & ETHICAL REASONING			
EC2001, PSY2000, SS2100, SS2200, SS2400, SS2500, SS2501, SS2502, SS2503, SS2504 SS2505, SS2600, SS2610, SS2700			
B. HASS COURSES (12 CREDITS) (General Ed Website, left)			
1. COMM/COMP:			
2. HUMANITIES & FINE ARTS:			
3. SOCIAL & BEHAVIORAL SCIENCES:			
4. ANY HASS OR HASS RESTRICTED COURSE:			
<ul> <li>6 credits must be upper division 3000-4000 level courses</li> <li>No more than 3 credits from the HASS Restricted list can be used to satisfy HASS requirements.</li> <li>Each course can satisfy only one requirement.</li> </ul>			
C. CO-CURRICULAR ACTIVITIES (3 UNITS) (General Ed Website, left)			
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