

B.S. Construction Management Degree (Fall 2025 and later)

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

First Year – Fall

Course	Prerequisites	Credit
MA1032 Precalculus		4
SU2000 Intro to Surveying		2
ACC2000 Accounting		3
CMG1000 Intro to Construction Mgt		2
UN1015 Composition		3
Total		14

First Year – Spring

Course	Prerequisites	Credit
MA2720 Statistical Methods	MA1032	4
CMG1200 Intro to BIM		3
PH1140 Applied Physics	MA1032, PH1141 (Concurrent)	3
PH1111 College Physics Lab I	PH1140 (Co-req)	1
BU2200 Business Law		3
Essential Education - Foundations in the Human World		3
Total		17

Second Year – Fall

Course	Prerequisites	Credit
EC2001 Principles of Economics	MA1032	3
CMG2110 Building Utility Systems		4
GE2000 Understanding the Earth OR Ess Ed Natural Science Elective		3
Essential Education - Intercultural Competency (3000+)		3
Essential Education - Activities for Well-Being and Success		1
Total		14

Second Year – Spring

Course	Prerequisites	Credit
CMG2265 Construction Quantity Survey	CMG1000	3
CEE3332 Fundamentals of Construction	Sophomore Standing	3
CMG2120 Statics/Strength of Materials	PH1140	4
CMG2140 Building Materials & Methods		4
Essential Education - Arts & Culture		3
Total		17

Third Year – Fall

Course	Prerequisites	Credit
CMG4200 Construction Contracts	JR STDN, BUS2200 or CEE3332	3
CEE3101 Civil Engineering Materials	CMG2120	3
CMG3250 Structural Analysis & Design	JR STDN, CMG2120	3
CMG4400 Construction Safety MGT	JR STDN	3
HU3120 Tech & Professional Comm.	JR STDN, UN1015	3
Essential Education - Activities for Well-Being and Success		1
Total		16

Third Year – Spring

Course	Prerequisites	Credit
CMG3265 Construction Cost Est.	JR STDN, CEE3332	4
CMG3200 Site Planning & Develop.	JR STDN, SU2000	4
Essential Education – SHAPE		3
Essential Education Experience (3000+)		3
Essential Education - Activities for Well-Being and Success		1
Total		15

Fourth Year – Fall

Course	Prerequisites	Credit
CMG4300 Construction Finance & Accounting	JR STDN, ACC2000 or CEE3332 or EC3400	3
CMG4210 Construction Project Mgt.	JR. STDN, CEE3332 or CMG4200	4
HU2830 Public Speaking and Multimedia		3
Business Elective		3
Technical Elective		3
Total		16

Fourth Year – Spring

Course	Prerequisites	Credit
CEE4905 Senior Design	SR STDN, Complete 4 of the following: CEE3332, CMG3200, CMG3265, CMG4210, CMG4120	3
CMG4120 Construction Plan & Sched.	JR STDN, CMG3265 or CEE3332	3
CMG4800 Sustainable Construction	JR STDN	3
EC3400 Economic Decision Analysis	JR STDN	3
Business Elective		3
Total		15

Grand Total = 128 Credits

B.S. Construction Management Degree (Fall 2025 and later)

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

1. **Essential Education Requirements:** 24 total credits. Required courses are *UN1015-Composition* (3 credits), a *Foundations in the Human World* course (3 credits), a *Communication Intensive* course (HU3120, 3 credits), an *Arts & Culture* course (3 credits), an *Intercultural Competency* (3000+) course (3 credits), a *SHAPE*, an *Essential Education Experience* (3000+) course (3 credits), a *Natural and Physical Science* course (*GE2000* or *Natural and Physical Science elective*), and 3 credits of *Activities for Well-being and Success*. The Essential Education and Activities for Well-Being list is available online at: <https://www.mtu.edu/registrar/pdfs/essential-education-course-lists-2025-2026.pdf>
2. **Business Electives:** 6 total credits. Pick 6 credits (2 courses) from the list below:
 - MGT 2000 Team Dynamics and Decision Making (F, S)
 - MGT 3000 Organizational Behavior (F, S)
 - MGT 3800 Innovation & Entrepreneurship (F, S)
 - OSM 3000 Operations & Supply Chain Management (F, S, Su)
 - OSM 3150 Intro to Supply Chain Management (F)
 - OSM 3600 Procurement and Supply Management (F)**PREREQS:**
Sophomore Standing
Sophomore Standing
Sophomore Standing
Junior Standing, MA1160/61, MA2720
OSM3000 (C)
Junior Standing
3. **Technical Electives:** 3 total credits. Students must choose from the list below:
 - BUS 2300 Quantitative Problem Solving (F, S)
 - CEE 3331 Professional Practice (F, S)
 - CEE 3401 Transportation Engineering (F, S)
 - CEE 3490 Intro to Rail Transportation (F)
 - CEE 4101 Bituminous Materials (F)
 - CEE 4233 Structural Timber Design (S)
 - CEE 4333 Estimating and Planning of Construction Projects (F)
 - CMG 4000 Design-Build Project Delivery (On Demand)
 - CMG 4100 Construction Equipment Management (On Demand)
 - CMG 4996 Spec. Topics in CMG (On Demand)
 - CMG 4997 Ind. Study in CMG (On Demand)
 - ENT 3959 Fundamentals of Six Sigma (F)
 - ENT 3967 Design of Six Sigma (S)
 - MGT 3000 Organizational Behavior (F, S)
 - MGT 4600 Management of Technology and Innovation
 - MKT 3000 Principles of Marketing (F, S, Su)
 - OSM 3000 Operations & Supply Chain Management (F, S, Su)
 - OSM 3150 Intro to Supply Chain Management (F)
 - OSM 3600 Procurement and Supply Management (F)
 - OSM 4650 Six Sigma Fundamentals (F, S)
 - SU 2050 Geospatial Computations (F)
 - SU 2220 Route/Engineering Surveying (S)
 - UN 3002 Undergrad Cooperative Education I (F, S, Su)**PREREQS:**
MA2720
Junior Standing
Sophomore Standing
Sophomore Standing
Senior Standing, CEE3101
CMG3250
CEE3332 or CMG3265
CMG3200 (C)
(CMG3265 or CEE3332) and EC3400
Senior Standing
Senior Standing
Sophomore Standing
Junior Standing
Sophomore Standing
Junior Standing
None
Junior Standing, MA1160/61, MA2720
OSM3000 (C)
Junior Standing
Junior Standing, MA2720
SU2000 (C)
SU2000 or SU2050
4. **Prerequisite** (pre-req) course must be successfully completed **PRIOR** to taking the subsequent course.
Concurrent Prerequisites (concurrent) may be taken at the same time, although it is not necessary if the prerequisite course is completed first.
Required Corequisite (co-req) courses that **MUST** be taken together in the same semester.
Standing: JR STDN (Junior Standing), SR STDN (Senior Standing)
5. **Math:** Students are placed into an initial math course based on ACT/SAT math score, the online ALEKS assessment, or a math placement exam score for credit (AP, IB, CLEP).
6. **Transfer, Advanced Placement, or study abroad courses** are not included in credit hours used for GPA calculations. Transfer credit is awarded for Michigan Tech equivalent course work only if a grade of 'C' or better (2.00/4.00) or equivalent is earned at a transfer institution. Study abroad credit will be awarded based on passing a course according to equivalent international standards. Advanced Placement credit is awarded according to published AP Exam score standards (also IB and CLEP).

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