

B.S. in Construction Management Technology

Curriculum Flowchart

125 Credit Hours

For Students Enrolling at UMES
in
Fall 2025

FRESHMAN

Fall	Spring
GEP Area 1.1 Arts & Humanities (ARTS 101, ARTS 310, ARAB 101, ASLS 203, CHIN 101, ENGL 204*, ENGL 205*, ENGL 206*, ENGL 207*, FREN 101, HIND 101, HONR 101, JAPN 101, KORE 101, PORT 101, SPAN 101, THAR 101) [3 Cr](NP) (*PR: ENGL 101, 102)	GEP Area 2 ECON 201 Principles of Economics (Macro) [3 Cr](PR: MATH 102 or Higher)
GEP Area 5.1 ENGL 101 Principles of Composition I [3 Cr](NP)	GEP Area 5 ENGL 102 Principles of Composition II [3 Cr](PR: ENGL 101)
GEP Area 6.1 GNST 100 First-Year Experience Seminar [1 Cr](NP)	GEP Area 3 ENVS 101 Introduction to Environmental Sciences [3 Cr](NP)
GEP Area 4 MATH 110 Trigonometry and Analytic Geometry [3 Cr](PR: MATH 109 or Satisfactory SAT or ACT Score)	CMTE 201 Architectural Drawing [3 Cr](PR: EDTE 131)
EDTE 131 Computer-Assisted Drawing and Design I [3 Cr](NP)	CMTE 230 Construction Materials [3 Cr](NP)
13 Credits	15 Credits

SOPHOMORE

Fall	Spring
GEP Area 2 ECON 202 Principles of Economics (Micro) [3 Cr](PR: MATH 102 or Higher)	GEP Area 6.2 BUAD 213 Business Software Applications [3 Cr](NP)
GEP Area 1.2 ENGL 203 Fundamentals of Contemporary Speech [3 Cr](PR: ENGL 101, ENGL 102)	ACCT 201 Introductory Financial Accounting [3 Cr](PR: ENGL 101, ENGL 102, MATH 109)
BUAD 200 Business Ethics [3 Cr](PR: SOPH)	MATH 112 Calculus I [4 Cr](PR: MATH 110)
CMTE 205 Computer Applications in Construction [3 Cr](PR: CMTE 201)	CMTE 214 Construction Surveying [3 Cr](PR: MATH 110)
GEP Area 3 PHYS 121 General College Physics I [3 Cr](PR: MATH 109, CR: PHYS 123)	PHYS 122 General College Physics II [3 Cr](PR: PHYS 121, CR: PHYS 124)
GEP Area 3 PHYS 123 General College Physics I Lab [1 Cr](CR: PHYS 121)	PHYS 124 General College Physics II Lab [1 Cr](CR: PHYS 122)
Summer CMTE 295 Construction Mgmt. Internship [2 Cr](PR: SOPH, Permission of Instructor) 2 Credits	
16 Credits	17 Credits

JUNIOR

Fall	Spring
GEP Area 5.3 ENGL 305, ENGL 310 Tech Writing or Advanced Composition [3 Cr](PR: ENGL 101, ENGL 102, ENGL 203)	BUAD 302 Mgmt./Organizational Behavior [3 Cr](PR: ACCT 201, ECON 201, ECON 202, JUNI)
BUAD 242 Legal Environment for Business [3 Cr](PR: SOPH)	CMTE 320 Building Structures [3 Cr](PR: CMTE 319)
CMTE 286 Construction Planning and Scheduling [3 Cr](PR: CMTE 201, CMTE 205)	CMTE 326 Mechanical and Electrical Building Systems [3 Cr](PR: CMTE 201, ENGL 305, MATH 112, PHYS 121, PHYS 122)
CMTE 319 Statics and Strength of Materials [3 Cr] (PR: MATH 112, PHYS 121)	CMTE 327 Building Information Modeling [3 Cr](PR: CMTE 201, CMTE 286, CMTE 325)
CMTE 325 Construction Methods and Equipment [3 Cr](PR: CMTE 201, CMTE 230, MATH 110)	CMTE 342 Introduction to Construction Estimating [3 Cr](PR: CMTE 201, CMTE 230, CMTE 325, MATH 110)
Summer CMTE 395 Construction Mgmt. Internship II [2 Cr](PR: CMTE 295) 2 Credits	
15 Credits	15 Credits

SENIOR

Fall	Spring
GEP Area 6.3 BUAD 311 Justice and Diversity in Organizations [3 Cr](PR: ENGL 102)	CMTE 328 Building Construction and Operation [3 Cr](PR: CMTE 201, CMTE 205, CMTE 230, CMTE 325)
CMTE 350 Soil Mechanics and Foundation [3 Cr](PR: CMTE 201, CMTE 214, CMTE 230, MATH 112, PHYS 123, PHYS 124)	CMTE 426 Construction Law, Contracts and Specifications [3 Cr](PR: CMTE 425 or Permission of Instructor)
CMTE 425 Construction Project Mgmt. [3 Cr](PR: CMTE 286, CMTE 325, CMTE 342)	CMTE 440 Construction Safety and Health Mgmt. [3 Cr](PR: SENR, Permission of Instructor)
CMTE 427 Land Development and Planning [3 Cr](PR: CMTE 201, CMTE 214, CMTE 327)	CMTE 450 Sustainable Design and Construction [3 Cr](PR: JUNI)
CMTE 445 Construction Cost Estimating [3 Cr](PR: CMTE 205, CMTE 342)	CMTE 458 Senior Capstone Project [3 Cr](PR: SENR, Permission of Instructor)
15 Credits	15 Credits

Abbreviations: **NP**- No Prerequisites, **PR**- Prerequisite, **CR**- Corequisite, **SOPH**- Sophomore Standing, **JUNI**- Junior Standing, **SENR**- Senior Standing

General Education Program

Construction Core Courses

Supporting Courses