

Construction Management Technology BS

(99-120 credits)

Why study Construction Management Technology?

Construction management technology focuses on selected areas of construction technology, such as: construction materials and techniques, construction estimating, soils and surveying, building codes, and architecture. This concentration prepares graduates to enter and progress in supervisory or management positions in the construction industry. Initial employment may be as an estimator, laboratory technician in materials testing, construction inspector or field engineer.

Other Degree Options

Minors in Applied Technology, Construction Management, Manufacturing, and Mechanical Engineering

Career Opportunities

Students graduating from this program can successfully enter careers in a broad range of fields as construction management, applications technicians, quality technicians, as well as research technicians and technical sales and service. Companies that have



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This is an example of a four year class schedule. Academic Advisors are there to help create individualized plans.

First Year

Fall 1

BACR (5 cr.)
ENGL 101 (5 cr.)
MATH 142 (5 cr.)

Q2

General Elective (2 cr.)
ENGL 201 (5 cr.)
METC 110 (5 cr.)

Q3

BACR (5 cr.)
General Elective (5 cr.)
General Elective (5 cr.)

Second Year

Q5

BACR (5 cr.)
General Elective (2 cr.)
PHYS 131 or PHYS 151 (4 cr.)
CMTC 235 (5 cr.)
PHYS 161 (1 cr.)

Q6

CHEM 121 or 171 & 171L (5
Diversity (5 cr.)
General Elective (5 cr.)

Q7

BACR (5 cr.)
General Elective (5 cr.)
General Elective (5 cr.)

Third Year

Q9

CMTC 320 (5 cr.)
TECH 330 (4 cr.)
TECH 403 (4 cr.)

Q10

General Elective (5 cr.)
CMTC 305 (4 cr.)
CMTC 335 (4 cr.)
TECH 331 (4 cr.)

Q11

CMTC 345 (4 cr.)
CMTC 354 (4 cr.)
TECH 456 (4 cr.)
TECH 458 (4 cr.)

Fourth Year

Q13

General Elective (4 cr.)
MENG 452 (2 cr.)
METC 340 (4 cr.)
TECH 393 (4 cr.)

Q14

CMTC 490 (4 cr.)
METC 341 (5 cr.)
TECH 454 (4 cr.)
TECH 462 (4 cr.)

Q15

General Elective (4 cr.)
CMTC 491 (4 cr.)
CMTC 495 (6 cr.)

Listed is a Sample Four Year Plan. Individual plans will vary based on placement test scores and course availability.

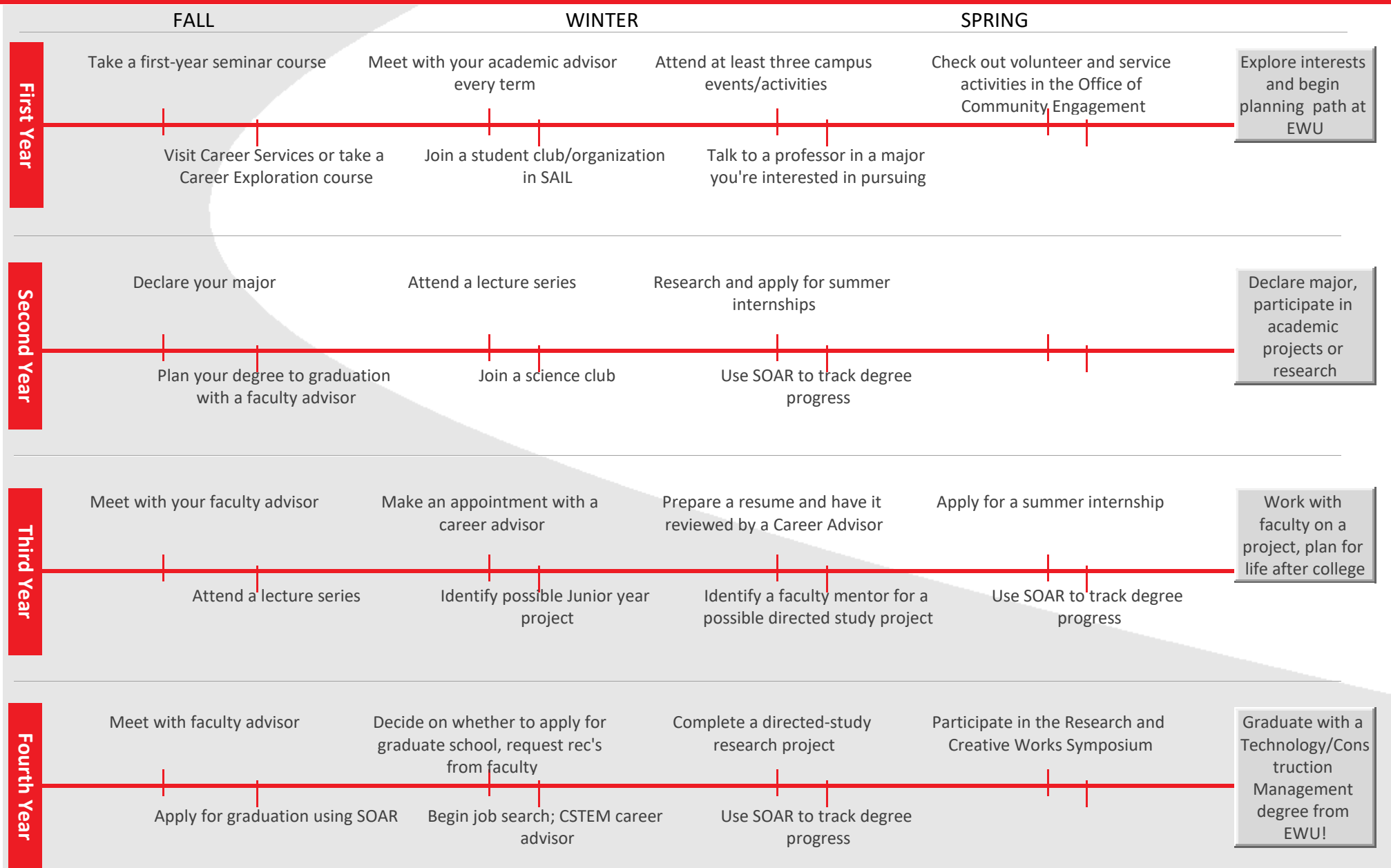


Flight Plan to Success

The following milestones will help you succeed and improve your experience at EWU.

Construction Management Technology, BS

College of Science, Technology, Engineering, and Mathematics
Engineering & Design



All recommended activities can occur at any time during a student's time at EWU



Student's name: _____ EWU ID: _____

Bachelor of Science in Construction Management Technology
2019-2020 Catalog Year

College of Science, Technology, Engineering, and Mathematics
SOAR Department: Engr & Des | SOAR Major: TECH CNST
Major Declaration Form: Technology - Construction Management, BS-TECH, CNST
Math proficiency needed: MATH 142

First year courses and prerequisites	Notes	Previously offered **
Q1 BACR (5 cr.)		
Q1 ENGL 101 COLL COMP: EXPOSITN & ARGUMNT (5 cr.) Prerequisite: Writing Placement Test or General Advising. □		F18, W19, S19
Q1 MATH 142 PRECALCULUS MATH II (5 cr.) Prerequisite: MATH 141 or equivalent.		F18, W19, S19
Q2 General Elective (2 cr.)		
Q2 ENGL 201 COLL COMP: ANALYSIS/RES/DOCMNT (5 cr.) Prerequisite: ENGL 101, Writing Placement Test or general advising.		F18, W19, S19
Q2 METC 110 ENGINEERING GRAPHICS (5 cr.) Prerequisite: METC 102 or permission of instructor. □	Note: two years of high school drafting is highly recommended. □ □	F18, W19, S19
Q3 BACR (5 cr.)		
Q3 General Elective (5 cr.)		
Q3 General Elective (5 cr.)		

I have discussed this academic plan with the student listed above. Advisor name: _____ Advisor signature: _____

* See the catalog for prerequisites and other details.

** Future course offerings may differ from the past. Check the course schedule for future courses.

To follow this MAP, you should place into MATH 142. If you place lower, your custom MAP may change.

This list of courses is for information purposes only. All students are required to follow the catalog requirements for the year they declared a major.

Second year courses and prerequisites

Notes

Previously offered **

Q5	BACR (5 cr.)	
Q5	General Elective (2 cr.)	
Q5	PHYS 131 or PHYS 151 (4 cr.)	
Q5	CMTC 235 CONST MATS TECH (5 cr.) Prerequisites: METC 102 ?C, or two years high school drafting.	F18
Q5	PHYS 161 MECHANICS LABORATORY (1 cr.) Prerequisite: MATH 142.	F18, W19
Q6	CHEM 121 or 171 & 171L (5 cr.)	
Q6	Diversity (5 cr.)	
Q6	General Elective (5 cr.)	
Q7	BACR (5 cr.)	
Q7	General Elective (5 cr.)	
Q7	General Elective (5 cr.)	

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* See the catalog for prerequisites and other details.

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Third year courses and prerequisites	Notes	Previously offered **
Q9 CMTC 320 NON-METALLIC PROCESSES (5 cr.) <i>Prerequisites: METC 110; junior/senior status or permission of instructor.</i>		
Q9 TECH 330 TECH PROB ANALYSIS & DESIGN I (4 cr.) <i>Prerequisites: ENGL 201 ?C.</i>		F18, W19
Q9 TECH 403 COMP-AIDED DESIGN & PROJ MGMT (4 cr.) <i>Prerequisites: MATH 107, MATH 141, MATH 142 or MATH 161; ? C.</i>		F18, S19
Q10 General Elective (5 cr.)		
Q10 CMTC 305 CONSTRUCTION ESTIMATING (4 cr.) <i>Prerequisite: MATH 107 or MATH 141, CMTC 235; All ?C.</i>		W19
Q10 CMTC 335 ARCHITECTURE (4 cr.) <i>Prerequisite: METC 110, CMTC 354; both ?C.</i>		W19
Q10 TECH 331 TECH PROB ANALYSIS & DESIGN II (4 cr.) <i>Prerequisite: TECH 330 ?C.</i>		W19, S19
Q11 CMTC 345 SOILS/SURVEYING (4 cr.) <i>Prerequisite: MATH 141 ?C.</i>		S19
Q11 CMTC 354 BUILDING CODES (4 cr.) <i>Prerequisite: ENGL 201 with a grade ?C.</i>		S19
Q11 TECH 456 ENGR, ETHIC CONTRACT, PATENT (4 cr.) <i>Prerequisite: ENGL 201 ?C.</i>		F18, S19
Q11 TECH 458 QUALITY ASSURANCE (4 cr.) <i>Prerequisite: MATH 107 or MATH 141; ?C.</i>	Note: this course cannot be substituted for METC 468 in degrees that require that class. □ □	W19, S19

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Fourth year courses and prerequisites	Notes	Previously offered **
Q13 General Elective (4 cr.)		
Q13 MENG 452 ENGINEERING ECONOMICS (2 cr.) Prerequisite: MATH 142 or MATH 161, with grades ?C, and a declared Mechanical Engineering or Mechanical Engineering Technology major; junior standing; or permission of instructor.		F18, W19, S19
Q13 METC 340 STATICS (4 cr.) Prerequisites: MATH 142 or MATH 161; PHYS 131 or PHYS 151; all with grades ?C.□		F18, W19
Q13 TECH 393 TECHNOLOGY WORLD CIVILIZATION (4 cr.) Prerequisite: ENGL 201 ?C.		F18, W19, S19
Q14 CMTC 490 SR. CAPSTONE: PRODUCTION LAB (4 cr.) Prerequisite: senior standing.	Note: the course will simulate a real world design team concept by utilizing a design group that contains members of different program majors.□□	W19, S19
Q14 METC 341 STRENGTH OF MATERIALS (5 cr.) Prerequisite: METC 340 or MENG 240, both with grades ?C.□		W19, S19
Q14 TECH 454 ENVIRONMENTAL ENGINEERING (4 cr.) Prerequisite: PHYS 100, PHYS 110 or PHYS 121; ENGL 201; MATH 107 or MATH 141; all ?C.		F18, W19
Q14 TECH 462 INDUSTRIAL SAFETY ENGINEERING (4 cr.) Prerequisites: junior standing and ENGL 201 ?C.		F18, W19
Q15 General Elective (4 cr.)		
Q15 CMTC 491 SENIOR PROJECT (4 cr.) Prerequisite: senior standing.		W19, S19
Q15 CMTC 495 INTERNSHIP (6 cr.) Prerequisite: junior or senior status and permission of the instructor, department chair and dean.	Note: Graded Pass/Fail. This course may be repeated.□□	F18, S19

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