College of Science, Technology, Engineering, and Mathematics

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 hired students completing the program options include Kimball, Garco Construction, Graham Construction, Hollister-Stier Laboratories, Leone & Keeble, Lydig, and others.

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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

Q1	Q2	Q3
BACR (5 cr.)	General Elective (2 cr.)	BACR (5 cr.)
ENGL 101 (5 cr.)	ENGL 201 (5 cr.)	General Elective (5 cr.)
MATH 142 (5 cr.)	METC 110 (5 cr.)	General Elective (5 cr.)

Second Year

Q5	Q6	Q7
BACR (5 cr.)	CHEM 121 or 151 (5 cr.)	BACR (5 cr.)
General Elective (1 cr.)	Diversity (5 cr.)	General Elective (2 cr.)
CMTC 235 (5 cr.)	General Elective (5 cr.)	General Elective (4 cr.)
PHYS 131 (4 cr.)		General Elective (5 cr.)
PHYS 161 (1 cr.)		

Third Year

Q9	Q10	Q11
CMTC 320 (5 cr.)	CMTC 305 (4 cr.)	CMTC 345 (4 cr.)
TECH 330 (4 cr.)	CMTC 335 (4 cr.)	CMTC 354 (4 cr.)
TECH 403 (4 cr.)	MENG 217 (4 cr.)	TECH 456 (4 cr.)
	TECH 331 (4 cr.)	TECH 458 (4 cr.)

Fourth Year

Q13	Q14	Q15
General Elective (4 cr.)	CMTC 490 (4 cr.)	General Elective (4 cr.)
MENG 452 (2 cr.)	METC 341 (5 cr.)	CMTC 491 (4 cr.)
METC 340 (4 cr.)	TECH 454 (4 cr.)	CMTC 495 (6 cr.)
TECH 393 (4 cr.)	TECH 462 (4 cr.)	

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

EASTERN WASHINGTON UNIVERSITY
start something big

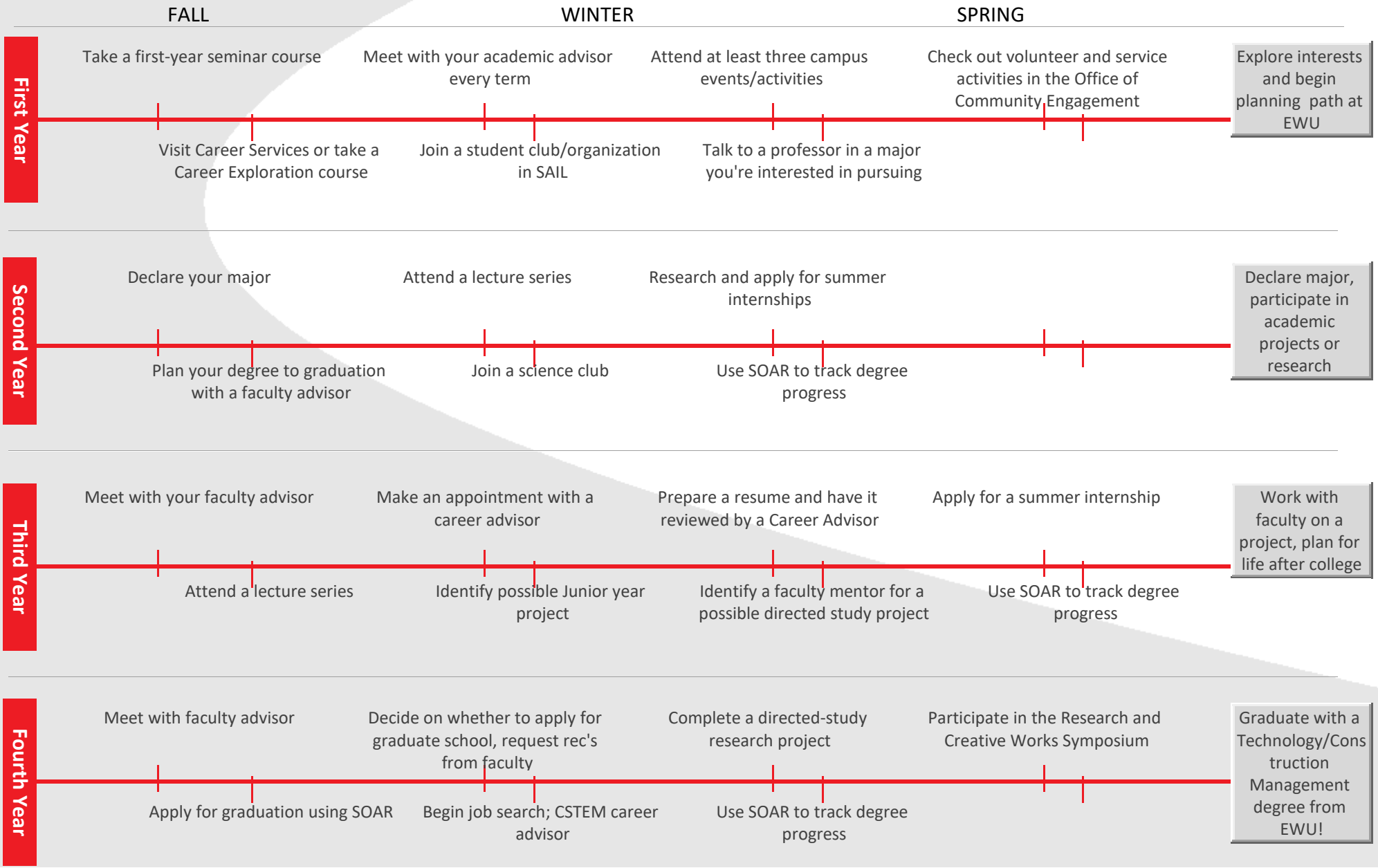
Flight Plan to Success

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

EASTERN WASHINGTON UNIVERSITY
start something big

Student's name: _____ EWU ID: _____

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

Bachelor of Science in Construction Management Technology
2018-2019 Catalog Year

	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.	Satisfies: university competencies, writing.	F17, W18, Sp18, Su18
Q1	MATH 142 PRECALCULUS MATH II (5 cr.) Prerequisite: MATH 141 or equivalent.	Satisfies: completion of this course with a grade >= C satisfies the university proficiencies in mathematics.	F17, W18, Sp18, Su18
Q2	General Elective (2 cr.)		
Q2	ENGL 201 COLL COMP: ANALYSIS/RES/DOCMNT (5 cr.) Prerequisite: ENGL 101, Writing Placement Test or general advising.	Satisfies: university proficiencies, writing.	F17, W18, Sp18, Su18
Q2	METC 110 ENGINEERING GRAPHICS (5 cr.) Prerequisites: METC 102, two years of high school drafting or equivalent.		F17, W18, Sp18, Su18
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 (1 cr.)		
Q5	CMTC 235 CONST MATS TECH (5 cr.) Prerequisites: METC 102 or TECH 102, or two years of high school drafting or equivalent.		F17
Q5	PHYS 131 INTRODUCTORY PHYSICS I (4 cr.) Prerequisites: MATH 142, concurrent enrollment in PHYS 161 is recommended.	Satisfies: The completion of PHYS 131, PHYS 161 satisfies the BACR for natural sciences, counts as one course. The completion of PHYS 131, PHYS 132, PHYS 161, plus any one of the following: PHYS 162, PHYS 163, PHYS 263 satisfies the BACR for natural scien Note: PHYS 161, the associated laboratory course, is usually required by any program also requiring PHYS 131, but requires separate enrollment.	F17
Q5	PHYS 161 MECHANICS LABORATORY (1 cr.) Prerequisite: MATH 142.		F17, W18
Q5	PHYS 161 MECHANICS LABORATORY (1 cr.) Prerequisite: MATH 142.		F17, W18
Q6	CHEM 121 or 151 (5 cr.)		
Q6	Diversity (5 cr.)		
Q6	General Elective (5 cr.)		
Q7	BACR (5 cr.)		
Q7	General Elective (2 cr.)		

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Q7	General Elective (4 cr.)
Q7	General Elective (5 cr.)

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Third year courses and prerequisites	Notes	Previously offered **
Q9	CMTC 320 NON-METALLIC PROCESSES (5 cr.) Prerequisites: METC 110; junior/senior status or permission of instructor.	
Q9	TECH 330 TECH PROB ANALYSIS & DESIGN I (4 cr.) Prerequisites: junior standing or permission of the instructor.	F17, W18
Q9	TECH 403 COMP-AIDED DESIGN & PROJ MGMT (4 cr.) Prerequisites: MATH 107 or permission of the instructor.	F17, Sp18
Q10	CMTC 305 CONSTRUCTION ESTIMATING (4 cr.) Prerequisite: CMTC 235.	W18
Q10	CMTC 335 ARCHITECTURE (4 cr.) Prerequisite: METC 110 or TECH 110.	W18
Q10	MENG 217 3D PARAMETRIC COMPUTER DESIGN (4 cr.) Prerequisite: METC 110 or High School AUTOCAD or permission of instructor	F17, W18, Sp18, Su18
Q10	TECH 331 TECH PROB ANALYSIS & DESIGN II (4 cr.) Prerequisite: TECH 330.	W18, Sp18
Q11	CMTC 345 SOILS/SURVEYING (4 cr.) Prerequisite: CMTC 335.	Sp18
Q11	CMTC 354 BUILDING CODES (4 cr.) Prerequisite: CMTC 335.	Sp18
Q11	TECH 456 ENGR, ETHIC CONTRACT, PATENT (4 cr.) Prerequisite: junior standing or permission of instructor.	F17, Sp18, Su18
Q11	TECH 458 QUALITY ASSURANCE (4 cr.) Prerequisite: junior standing.	W18, Sp18

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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: junior standing; and a declared Mechanical Engineering or Mechanical Engineering Technology major or permission of instructor.		F17, W18, Sp18
Q13	METC 340 STATICS (4 cr.) Prerequisites: MATH 142 and PHYS 131, both with grade ≥C .		F17
Q13	TECH 393 TECHNOLOGY WORLD CIVILIZATION (4 cr.) Prerequisite: ENGL 101.	Satisfies: a university graduation requiremen global studies.	F17, W18, Sp18, Su18
Q14	CMTC 490 SR. CAPSTONE: PRODUCTION LAB (4 cr.) Prerequisite: senior standing.	Satisfies: a university graduation requirement'senior capstone. Note: the course will simulate a real world design team concept by utilizing a design group that contains members of different program majors.	W18, Sp18
Q14	METC 341 STRENGTH OF MATERIALS (5 cr.) Prerequisite: METC 340.		W18
Q14	TECH 454 ENVIRONMENTAL ENGINEERING (4 cr.) Prerequisite: junior standing or permission of the instructor.		F17, W18
Q14	TECH 462 INDUSTRIAL SAFETY ENGINEERING (4 cr.)		F17, W18
Q15	General Elective (4 cr.)		
Q15	CMTC 491 SENIOR PROJECT (4 cr.) Prerequisite: permission of the instructor.		W18, Sp18, Su18
Q15	CMTC 495 INTERNSHIP (6 cr.) Prerequisites: junior or senior status and permission of the instructor, department chair and dean.	Note: Graded Pass/Fail. This course may be repeated.	F17, W18, Sp18, Su18

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

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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.