

Student's name: _____ EWU ID: _____

College of Science, Technology, Engineering, and Mathematics

SOAR Department: Engr & Des | SOAR Major: TECH MANU

Major Declaration Form: Technology - Manufacturing, BS-TECH, MANU

Math proficiency needed: MATH 107 or 142

Bachelor of Science in Technology
 Manufacturing option
 2017-2018 Catalog Year

First year courses and prerequisites	Notes	Previously offered **
<input type="checkbox"/> ENGL 101 COLL COMP: EXPOSITN & ARGUMNT (5 cr.) Prerequisite: ENGL 100, Writing Placement Test or General Advising.	Satisfies Writing Competency	F16, W17, Sp17, Su17
<input type="checkbox"/> CPLA 100 & 101 COMPUTER APPLICATIONS LITERACY (1 cr.)	Satisfies Computer Literacy Proficiency	Every F, W, Sp, Su
<input type="checkbox"/> MATH 107 (5 cr.)* or 142 (5 cr.)*		
<input type="checkbox"/> CHEM 121 (5 cr.) (GECR) or 151 (5 cr.) (GECR)*		
<input type="checkbox"/> PHYS 100 PHYSICAL SCIENCE I (5 cr.) Prerequisite: pre-university basic skills in mathematics.	Satisfies Natural Science-Physics	F16, Su17
<input type="checkbox"/> ENGL 201 COLL COMP: ANALYSIS/RES/DOCMT (5 cr.) Prerequisite: ENGL 101, Writing Placement Test or general advising.	Satisfies Writing Proficiency	F16, W17, Sp17, Su17
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> TECH 110 ENGINEERING GRAPHICS (5 cr.) Prerequisites: METC 102 or TECH 102, two years of high school drafting, or equivalent.		
<input type="checkbox"/> GENERAL EDUCATION CORE REQUIREMENT (5 cr.)	Satisfies General Education Core Requirement	Every F, W, Sp, Su
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (2 cr.)		Every F, W, Sp, Su

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

* Prerequisites, corequisites, or other conditions must be met before enrolling in this course. See the catalog for details.
 Consult your academic advisor when choosing your electives. Your choices may affect your time to graduation.
 To follow this MAP, you should place into MATH 107 or 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 **
<input type="checkbox"/> GENERAL EDUCATION CORE REQUIREMENT (5 cr.)	Satisfies General Education Core Requirement	Every F, W, Sp, Su
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> CULTURAL & GENDER DIVERSITY (ANY ONE) (5 cr.)	Satisfies Cultural & Gender Diversity	Every F, W, Sp, Su
<input type="checkbox"/> GENERAL EDUCATION CORE REQUIREMENT (5 cr.)	Satisfies General Education Core Requirement	Every F, W, Sp, Su
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (2 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> GENERAL EDUCATION CORE REQUIREMENT (5 cr.)	Satisfies General Education Core Requirement	Every F, W, Sp, Su
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su

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 Consult your academic advisor when choosing your electives. Your choices may affect your time to graduation.
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Third year courses and prerequisites	Notes	Previously offered **
<input type="checkbox"/> TECH 330 TECH PROB ANALYSIS & DESIGN I (4 cr.) <i>Prerequisites: junior standing or permission of the instructor.</i>		F16, W17
<input type="checkbox"/> MNTC 301 METALLIC PROCESSES (5 cr.) <i>Prerequisite: junior standing or permission of instructor.</i>		
<input type="checkbox"/> MNTC 208 SURVEY OF ELECTRICITY (4 cr.) <i>Prerequisite: pre-university basic skills in mathematics.</i>		
<input type="checkbox"/> TECH 454 ENVIRONMENTAL ENGINEERING (4 cr.) <i>Prerequisite: junior standing or permission of the instructor.</i>		F16, W17
<input type="checkbox"/> TECH 331 TECH PROB ANALYSIS & DESIGN II (4 cr.) <i>Prerequisite: TECH 330.</i>		W17, Sp17
<input type="checkbox"/> MNTC 406 WELDING TECHNOLOGY (4 cr.) <i>Prerequisite: MNTC 301 or permission of the instructor.</i>		
<input type="checkbox"/> MNTC 402 MACHINE TOOL I (5 cr.) <i>Prerequisites: METC 110 and MNTC 301.</i>		
<input type="checkbox"/> TECH 458 QUALITY ASSURANCE (4 cr.) <i>Prerequisite: junior standing.</i>		W17, Sp17
<input type="checkbox"/> MNTC 404 COMPUTER NUMERICAL CONTR (5 cr.) <i>Prerequisites: MNTC 301 and MNTC 402.</i>		
<input type="checkbox"/> MENG 353 INDUSTRIAL MATERIALS (5 cr.) <i>Prerequisite: CHEM 121 or CHEM 151.</i>		F16, W17, Sp17, Su17
<input type="checkbox"/> MENG 217 or TECH 217 (4 cr.)		

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Fourth year courses and prerequisites	Notes	Previously offered **
<input type="checkbox"/> TECH 452 ENGINEERING ECONOMICS (4 cr.) <i>Prerequisite: junior standing or permission of instructor.</i>		F16, Sp17
<input type="checkbox"/> TECH 403 COMP-AIDED DESIGN & PROJ MGMT (4 cr.) <i>Prerequisites: MATH 107 or permission of the instructor.</i>		F16, Sp17
<input type="checkbox"/> MNTC 430 MACHINE TOOL II (5 cr.) <i>Prerequisites: MNTC 301 and MNTC 402.</i>		
<input type="checkbox"/> MNTC 320 NON-METALLIC PROCESSES (5 cr.) <i>Prerequisites: METC 110; junior/senior status or permission of instructor.</i>		
<input type="checkbox"/> TECH 490 SR. CAPSTONE: PRODUCTION LAB (4 cr.) <i>Prerequisite: senior standing.</i>	Satisfies Senior Capstone	W17, Sp17
<input type="checkbox"/> TECH 462 INDUSTRIAL SAFETY ENGINEERING (4 cr.)		F16, W17
<input type="checkbox"/> TECH 393 TECHNOLOGY WORLD CIVILIZATION (4 cr.) <i>Prerequisite: ENGL 101.</i>	Satisfies International Studies	F16, W17, Sp17, Su17
<input type="checkbox"/> TECH 456 ENGR, ETHIC CONTRACT, PATENT (4 cr.) <i>Prerequisite: junior standing or permission of instructor.</i>		F16, Sp17
<input type="checkbox"/> MNTC 495 INTERNSHIP (4 cr.) <i>Prerequisites: junior or senior status and permission of the instructor, department chair and dean.</i>		
<input type="checkbox"/> MNTC 491 SENIOR PROJECT (4 cr.) <i>Prerequisite: permission of the instructor.</i>		
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su

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