

Student's name: _____ EWU ID: _____

College of Science, Technology, Engineering, and Mathematics

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

Major Declaration Form: Technology - Design, BS-TECH, DESN

Math proficiency needed: MATH 142

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

| First year courses and prerequisites | Notes | Previously offered ** |
|---|---|-----------------------|
| <input type="checkbox"/> MATH 142 PRECALCULUS MATH II (5 cr.) Prerequisite: MATH 141 or equivalent. | Satisfies Math Reasoning Proficiency | F16, W17, Sp17, Su17 |
| <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"/> CHEM 121 (5 cr.) (GECR) or 151 (5 cr.) (GECR)* | | |
| <input type="checkbox"/> PHYS 161 MECHANICS LABORATORY (1 cr.) Prerequisite: MATH 142. | | F16, W17 |
| <input type="checkbox"/> PHYS 131 INTRODUCTORY PHYSICS I (4 cr.) Prerequisites: MATH 142, concurrent enrollment in PHYS 161 for PHYS 131 is recommended; PHYS 131 for PHYS 132; and PHYS 132 for PHYS 133. | Satisfies Natural Science-Physics | F16 |
| <input type="checkbox"/> ENGL 201 COLL COMP: ANALYSIS/RES/DOCMNT (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 (3 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"/> PHYS 162 HEAT & OPTICS LABORATORY (1 cr.) Prerequisite: MATH 142. | | W17, Sp17 |

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

Advisor signature: _____

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Consult your academic advisor when choosing your electives. Your choices may affect your time to graduation.

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PHYS 132 INTRODUCTORY PHYSICS II (4 cr.)

Prerequisites: MATH 142, concurrent enrollment in PHYS 161 for PHYS 131 is recommended; PHYS 131 for PHYS 132; and PHYS 132 for PHYS 133.

Satisfies Natural Science-Physics

W17



GENERAL EDUCATION CORE REQUIREMENT (5 cr.)

Satisfies General Education Core Requirement

Every F, W, Sp, Su

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| 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"/> ANY ELECTIVE TO REACH 180 CREDITS (2 cr.) | | 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 |
| <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 (3 cr.) | | Every F, W, Sp, Su |

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| Third year courses and prerequisites | Notes | Previously offered ** |
|---|---------------------------------|-----------------------|
| <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"/> 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 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 331 TECH PROB ANALYSIS & DESIGN II (4 cr.) <i>Prerequisite: TECH 330.</i> | | W17, Sp17 |
| <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"/> TECH 456 ENGR, ETHIC CONTRACT, PATENT (4 cr.) <i>Prerequisite: junior standing or permission of instructor.</i> | | F16, Sp17 |
| <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"/> MNTC 320 NON-METALLIC PROCESSES (5 cr.) <i>Prerequisites: METC 110; junior/senior status or permission of instructor.</i> | | |
| <input type="checkbox"/> METC 340 STATICS (5 cr.) <i>Prerequisites: PHYS 131 and MATH 142 or equivalent.</i> | | F16 |
| <input type="checkbox"/> METC 341 STRENGTH OF MATERIALS (4 cr.) <i>Prerequisite: METC 340.</i> | | W17 |
| <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 |
| <input type="checkbox"/> DNTC 490 SR. CAPSTONE: PRODUCTION LAB (4 cr.) <i>Prerequisite: senior standing.</i> | Satisfies Senior Capstone | |
| <input type="checkbox"/> TECH 454 ENVIRONMENTAL ENGINEERING (4 cr.) <i>Prerequisite: junior standing or permission of the instructor.</i> | | F16, W17 |
| <input type="checkbox"/> DNTC 495 INTERNSHIP (4 cr.) <i>Prerequisites: junior or senior status and permission of the instructor, department chair and dean.</i> | | |
| <input type="checkbox"/> DNTC 491 SENIOR PROJECT (4 cr.) <i>Prerequisite: permission of the instructor.</i> | | |

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