

Student's name: _____ EWU ID: _____

College of Science, Technology, Engineering, and Mathematics

SOAR Department: Chemistry | SOAR Major: CHEM STAN

Major Declaration Form: Chemistry/Biochemistry - Standard, BS-CHEM, STAN

Math proficiency needed: MATH 161

Bachelor of Science in Chemistry & Biochemistry
Standard option
2017-2018 Catalog Year

First year courses and prerequisites	Notes	Previously offered **
<input type="checkbox"/> MATH 161 CALCULUS I (5 cr.) Prerequisites: MATH 142 and ENGL 100.	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"/> CHEM 151 GENERAL CHEMISTRY (5 cr.) Prerequisites: ≥ 2.0 in MATH 141 or concurrent enrollment; ≥ 2.0 in CHEM 100 or ≥ 2.0 in CHEM 161 or one year of high school chemistry.	Satisfies Natural Science-Chemistry	F16, W17, Sp17
<input type="checkbox"/> MATH 162 CALCULUS II (5 cr.) Prerequisite: MATH 161.		F16, W17, Sp17, Su17
<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"/> CHEM 152 GENERAL CHEMISTRY (5 cr.) Prerequisites: CHEM 151; ≥ 2.0 in MATH 141.	Satisfies Natural Science-Chemistry	F16, W17, Sp17, Su17
<input type="checkbox"/> MATH 163 CALCULUS III (5 cr.) Prerequisite: MATH 162.		F16, W17, Sp17, Su17
<input type="checkbox"/> GENERAL EDUCATION CORE REQUIREMENT (5 cr.)	Satisfies General Education Core Requirement	Every F, W, Sp, Su
<input type="checkbox"/> CHEM 153 GENERAL CHEMISTRY (5 cr.) Prerequisites: CHEM 152.		F16, W17, Sp17, Su17

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 161. 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"/> PHYS 161 MECHANICS LABORATORY (1 cr.) Prerequisite: MATH 142.		F16, W17
<input type="checkbox"/> PHYS 151 GENERAL PHYSICS I (4 cr.) Prerequisites: Concurrent enrollment in MATH 161. Concurrent enrollment in PHYS 161 is recommended.	Satisfies Natural Science-Physics	F16, W17
<input type="checkbox"/> GENERAL EDUCATION CORE REQUIREMENT (5 cr.)	Satisfies General Education Core Requirement	Every F, W, Sp, Su
<input type="checkbox"/> CHEM 304 QUANTITATIVE ANALYSIS (6 cr.) Prerequisite: CHEM 153.		F16, W17
<input type="checkbox"/> PHYS 162 HEAT & OPTICS LABORATORY (1 cr.) Prerequisite: MATH 142.		W17, Sp17
<input type="checkbox"/> PHYS 152 GENERAL PHYSICS II (4 cr.) Prerequisites: PHYS 151 and concurrent enrollment in MATH 162.	Satisfies Natural Science-Physics	W17, Sp17
<input type="checkbox"/> CPLA 120 COMPUTER APPLICATIONS LITERACY (5 cr.)	Satisfies Computer Literacy Proficiency	F16, W17, Sp17, Su17
<input type="checkbox"/> CULTURAL & GENDER DIVERSITY (ANY ONE) (5 cr.)	Satisfies Cultural & Gender Diversity	Every F, W, Sp, Su
<input type="checkbox"/> PHYS 163 INSTRUMENTATION LAB I (1 cr.) Prerequisite: MATH 142.		Sp17
<input type="checkbox"/> PHYS 153 GENERAL PHYSICS III (4 cr.) Prerequisites: PHYS 152 and concurrent enrollment in MATH 163.		F16, Sp17
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> CHEM 421 PHYSICAL CHEMISTRY (5 cr.) Prerequisites: CHEM 304, PHYS 133 or PHYS 153, MATH 162.		F16

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 161. 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.

Third year courses and prerequisites	Notes	Previously offered **
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> CHEM 422 PHYSICAL CHEMISTRY (5 cr.) Prerequisites: CHEM 421.		W17
<input type="checkbox"/> CHEM 351 ORGANIC CHEMISTRY (4 cr.) Prerequisite: CHEM 153.		F16, W17
<input type="checkbox"/> 300 or 400 level CHEM elective (5 cr.)		
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> CHEM 372 ORGANIC CHEM LAB I (3 cr.) Prerequisite: CHEM 351.		W17, Sp17
<input type="checkbox"/> CHEM 352 ORGANIC CHEMISTRY (4 cr.) Prerequisite: CHEM 351.		W17, Sp17
<input type="checkbox"/> INTERNATIONAL STUDIES (UPPER-LEVEL) (5 cr.)	Satisfies International Studies	Every F, W, Sp, Su
<input type="checkbox"/> CHEM 353 ORGANIC CHEMISTRY (3 cr.) Prerequisite: CHEM 352.		F16, Sp17
<input type="checkbox"/> CHEM 418 (5 cr.) or 419 (5 cr.) or 420 (5 cr.)*		

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 161. 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.

Fourth year courses and prerequisites	Notes	Previously offered **
<input type="checkbox"/> GENERAL EDUCATION CORE REQUIREMENT (4 cr.)	Satisfies General Education Core Requirement	Every F, W, Sp, Su
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (4 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (3 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> CHEM 431 PHYSICAL CHEMISTRY LAB (1 cr.) Prerequisites: concurrent enrollment in CHEM 421.		F16
<input type="checkbox"/> 300 or 400 level CHEM elective (5 cr.)		
<input type="checkbox"/> ANY ELECTIVE TO REACH 180 CREDITS (5 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> CHEM 432 PHYSICAL CHEMISTRY LAB (2 cr.) Prerequisites: concurrent enrollment in CHEM 422.		W17
<input type="checkbox"/> CHEM 423 PHYSICAL CHEMISTRY (3 cr.) Prerequisites: CHEM 422.		Sp17
<input type="checkbox"/> CHEM 490 (5 cr.)* or CHEM 491 (4-6 cr.)*		
<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"/> ANY ELECTIVE TO REACH 180 CREDITS (1 cr.)		Every F, W, Sp, Su
<input type="checkbox"/> CHEM 433 PHYSICAL CHEMISTRY LAB (2 cr.) Prerequisites: concurrent enrollment in CHEM 423.		Sp17

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 161. 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.