

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 8

Spring 2022

--REQUIREMENTS--

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective. Note: Items marked {S} have been streamlined and do not require Catalog Subcommittee review.

Department	Proposed	Effective Date												
Chemical Engineering and Bioengineering Revise graduation requirements for BS in Chemical Engineering - General	<p>Chemical Engineering – General (124 <u>121</u> Credits)</p> <p>At least 63 <u>59</u> of the total hours required for this degree must be in 300-400-level courses.</p> <p>Admission to the Major Criteria – Chemical Engineering Program Incoming first-year students, transfer students, and students changing from a different major may be admitted to the Chemical Engineering degree program upon completion of MATH 171 with a C or better or concurrent enrollment, and CHEM 105 with a C or better or concurrent enrollment. To remain in the major the student must earn a grade of C or better in all CHE courses, earn a grade of C or better in all required electives, and maintain good academic standing (i.e. a 2.0 or higher GPA each term and an overall cumulative GPA of 2.0 at WSU).</p> <p>Students who are deficient under the University’s Academic Regulations 38 and 39 or whose GPA in CHE courses falls below 2.0 are subject to loss of eligibility of the major. The Chemical Engineering undergraduate studies committee will determine the eligibility for readmission and probation conditions for students who are deficient and apply for re-entry into the major.</p> <p>Graduation Requirements No Washington State University courses listed in this schedule of study may be taken on a pass/fail basis. With the exception of CHE 488, 495, 498, 499 and ENGR 489, all listed CHE courses, required electives, and the prerequisites to these courses must be completed with a grade of C or better.</p> <p>First Year</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><i>First Term</i></th> <th style="text-align: right;"><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>CHE 101</td> <td style="text-align: right;">1</td> </tr> <tr> <td>CHEM 105 [PSCI]</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Diversity [DIVR]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>HISTORY 105 [ROOT] or 305 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 171 [QUAN]</td> <td style="text-align: right;">4</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	CHE 101	1	CHEM 105 [PSCI]	4	Diversity [DIVR]	3	HISTORY 105 [ROOT] or 305 [ROOT]	3	MATH 171 [QUAN]	4	8-22
<i>First Term</i>	<i>Credits</i>													
CHE 101	1													
CHEM 105 [PSCI]	4													
Diversity [DIVR]	3													
HISTORY 105 [ROOT] or 305 [ROOT]	3													
MATH 171 [QUAN]	4													

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI], 107 [BSCI], or 110 [BSCI]	3 or 4
CHE 110 ¹	2
CHEM 106 or 116	4
ENGLISH 101 [WRTG]	3
MATH 172 or 182	4
Second Year	
<i>First Term</i>	<i>Credits</i>
CHE 201	3
CHEM 345	4
Humanities [HUM]	3
MATH 273 or 283	2
PHYSICS 201 and 211, or 205	4 or 5
<i>Second Term</i>	<i>Credits</i>
CHE 211	3
CHEM 348 or MBIOS 303	4
MATH 220 or 230	2 or 3
MATH 315	3
PHYSICS 202 and 212, or 206	4 or 5
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CHE 301	3
CHE 310	3
<u>CHE 498</u>	<u>1</u>
CHEM 334	3
<u>CHEM 333 or 334 [M]</u>	<u>1 or 2</u>
<u>ENGLISH 402 [WRTG] [M] or 403 [WRTG] [M]</u>	<u>3</u>
Technical Elective ^{1,2}	3
<i>Second Term</i>	<i>Credits</i>
<u>CHE 302</u>	<u>3</u>
CHE 321	3
CHE 332	3
CHE 334	3
CHE 498	1
<u>ENGLISH 402 [WRTG] [M] or 403 [WRTG] [M]</u>	<u>3</u>

	<p>STAT 423 3</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>CHE 352 3</p> <p>CHE 432 [M] 3</p> <p>CHE 441 3</p> <p>CHE 450 3</p> <p>ECONS 101 [SSCI] or 102 [SSCI] or 198 3</p> <p><i>Second Term</i> <i>Credits</i></p> <p>CHE 433 [M] 2</p> <p>CHE 451 [M] [CAPS] 3</p> <p>CHE Elective^{1,3} 6</p> <p>Technical Elective^{1,2} 3</p> <p>Exit Interview</p> <hr/> <p>Footnotes</p> <p>¹ Three credit 300-400-level CHE course may be substituted for CHE 110 by approval of advisor. The CHE course can be included as three credits of the CHE or Technical Electives. Must include sufficient coursework to meet the University requirement of 120 total credits.</p> <p>² Technical Electives (6 credits): MSE 201 or any 300-400-level BIO ENG, CHEM, CHE, CE, E E, ENGR, MATH, ME, MSE, PHYSICS, or STAT course as approved by advisor.</p> <p>³ CHE Electives (6 credits): Any 400-level CHE course not used to fulfill major requirements. A maximum of 3 credits is allowed in CHE 488, 495, and 499 combined.</p>	
<p>Chemical Engineering and Bioengineering Revise requirements for BS in Bioengineering - General</p>	<p>Bioengineering - General Option (120 Credits)</p> <p>Students who plan to pursue pre-med studies should consult their advisor for further information about appropriate courses.</p> <p>Admission to the Major Criteria – Bioengineering Program</p> <p>Incoming first-year students, transfer students, and students changing from a different major may be admitted to the Bioengineering degree program upon completion of MATH 171 with a C or better or concurrent enrollment, and CHEM 105 with a C or better or concurrent enrollment. To remain in the major the student must earn a grade of C or better in all courses and maintain good academic standing (i.e. a 2.0 or higher GPA each term and an overall cumulative GPA of 2.0 at WSU).</p> <p>Students who are deficient under the University’s Academic Regulations 38 and 39 or whose GPA in Bioengineering courses falls below 2.0 are subject to loss of eligibility of the major. The Bioengineering undergraduate studies committee will determine the eligibility for readmission and probation conditions for students who are deficient and apply for re-entry into the major.</p>	<p>8-22</p>

First Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CHEM 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
ENGR 120 ¹	2
MATH 171 [QUAN]	4
<i>Second Term</i>	<i>Credits</i>
BIO ENG 140	1
BIOLOGY 107 [BSCI]	4
CHEM 106 or 116	4
HISTORY 105 [ROOT] or 305 [ROOT]	3
MATH 172 or 182	4
Second Year	
<i>First Term</i>	<i>Credits</i>
BIO ENG 205	1
CHE 201	3
Humanities [HUM]	3
MATH 220 or 230	2 or 3
MATH 273 or 283	2
PHYSICS 201 and 211, or 205	4 or 5
<i>Second Term</i>	<i>Credits</i>
BIO ENG 210	2
CE 211	3
MATH 315	3
PHYSICS 202 and 212, or 206	4 or 5
STAT 370 or 423	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIO ENG 310	3
BIO ENG 321	3
BIO ENG 322 [M]	1

	BIO ENG 350	3	
	E E 261	3	
	<i>Second Term</i>		<i>Credits</i>
	BIO ENG 330	3	
	BIO ENG 340	4	
	Bioengineering Elective ²	3	
	Diversity [DIVR]	3	
	ECONS 101 [SSCI], 102 [SSCI], or 198	3	
	Fourth Year		
	<i>First Term</i>		<i>Credits</i>
	BIO ENG 410 [M]	3	
	BIO ENG 440	4	
	Communication [COMM] or Written Communication [WRTG]	3	
	Technical Electives ³	6	
	<i>Second Term</i>		<i>Credits</i>
	BIO ENG 411 [CAPS]	3	
	Bioengineering Electives ²	3	
	Technical Electives ³	6	
	Elective	1	
	Complete BIO ENG Exit Interview		
	Footnotes		
	¹ 3 credit 300-400-level engineering course may be substituted for ENGR 120 by approval of advisor.		
	² Bioengineering Electives (6 credits): Must have a BIO ENG subject, selected from the following: BIO ENG 425, 435, 455, 476, or 481.		
	³ Technical Electives (12 credits): Approved courses include BIOLOGY 106, 251, CPT S 121, E E 214, 262, ME 116, 212, 216, MSE 201, PHIL 365, or any 300-400 level BIO ENG, BIOLOGY, CE, CHE, CHEM, CPT S, E E, MATH, MBIOS, ME, MSE, NEUROSCIENCE, PHYSICS, or STAT course as approved, or other courses as approved by advisor. Must include sufficient 300-400-level courses to meet University requirement of 40 credits upper-division coursework.		
Communication Revise requirements for minor in Communication	Communication The minor in Communication requires a minimum of 18 credits from any COM, COMJOUR, or COMSTRAT courses. Nine credits of COM, COMJOUR, or		8-22

	<p>COMSTRAT 300-400-level coursework must be taken in residence at WSU. <u>COM 138, 199, and 399 are excluded from applying toward the minor requirements.</u> Students may seek approval for one course to count toward the minor through WSU-approved education abroad or educational exchange. Students may be admitted to the minor after they have completed 60 total credits with a 2.7 or higher WSU cumulative GPA and have been admitted to a major outside the Murrow College of Communication. Students must adhere to the prerequisites for courses as listed in the catalog. Transfer students can be admitted to this minor after completing 60 total credits and one semester at WSU with a 2.7 or higher WSU cumulative GPA. Students must maintain a cumulative GPA of 2.0 or higher to remain in the minor. Check with the Murrow College Student Services Office for additional information.</p>	
<p>{S} Educational Leadership and Sport Management Revise graduation requirements for BA in Sport Management</p>	<p>Sport Management (120 Credits)</p> <p>WSU seeks to prepare the best possible sport management professionals and therefore seeks highly qualified individuals. Admission to, or continued enrollment in, the sport management program may be denied to any candidate who does not meet the minimum criteria. Applicants who meet the minimum requirements are eligible for consideration, but not assured admission. Enrollment is limited and admission competitive. Applications are evaluated by program faculty who provide recommendations based on a variety of factors including but not limited to fulfillment of admission criteria, professionalism, and likelihood of success in the program.</p> <p>The application for admission opens mid-semester and the deadline for application submission is the Friday before finals week, with admission effective the following term. Candidates must complete formal admission procedures and be admitted to the Sport Management major prior to taking any 300-400-level Sport Management coursework, except SPMGT 394. Students transferring from other institutions need to enroll in SPMGT 276 to be eligible for admission. The following minimum criteria must be met for consideration for admission:</p> <p>Minimum Criteria for Admission to the Sport Management Major</p> <ol style="list-style-type: none"> 1. Completion of at least 30 credits of coursework. 2. Minimum WSU cumulative GPA of 2.75. 3. A grade of C or better in each of the following courses: COM 102 or HD 205, ENGLISH [WRTG] UCORE, MATH [QUAN] UCORE, and SPMGT 276. 4. The application requires a written statement (maximum of two pages) describing relevant work experience, involvement in extracurricular activities, and professional goals. This statement will be evaluated by 	<p>8-22</p>

faculty on the basis of the breadth and depth of the experiences, as well as for writing conventions and clarity of expression.

5. Students will be required to maintain a 2.75 minimum GPA. If a student's cumulative GPA falls below 2.75 the student will be placed on probation. A second semester below 2.75 will result in the student being released from the major.

First Year

First Term ***Credits***

Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3
ENGLISH [WRTG]	3
Humanities [HUM]	3
SPMGT 101 [DIVR] or Diversity [DIVR]	3
Electives	3

Second Term ***Credits***

Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4
COM 102 [COMM] or HD 205 [COMM]	3 or 4
HISTORY 105 [ROOT]	3
Quantitative Reasoning [QUAN]	3
Social Sciences [SSCI]	3

Second Year

First Term ***Credits***

ACCTG 220 230	3
Arts [ARTS]	3
SPMGT 276	3
SPMGT 394	1
Electives	6

Second Term ***Credits***

Area of Specialization ^{2,3}	6
SPMGT 290	3
SPMGT 394	1
Electives	6
Complete Writing Portfolio	

Third Year

First Term ***Credits***

Area of Specialization ^{2,3}	6
SPMGT 365	3

	SPMGT 367 [M] 3 SPMGT 374 or SPMGT 377 3 SPMGT 394 2 Second Term Credits Area of Specialization ^{2,3} 6 SPMGT 374 or SPMGT 377 3 SPMGT 379 3 SPMGT 464 3 Fourth Year First Term Credits Area of Specialization ^{2,3} 3 ENGLISH 402 [M] 3 SPMGT 468 [M] 3 SPMGT 489 [CAPS] 3 SPMGT 490 1 Electives 2 Second Term Credits SPMGT 491 ⁴ 10-12	
	Footnotes ¹ For a total of 7 credits—one Biological Sciences [BSCI] and one Physical Sciences [PSCI] course, including one lab course. ² Business Specialization: 21 credits are required with a minimum of 9 credits of 300-400-level coursework. Required courses include B LAW 210, ECONS 101, MGMT 301 and MKTG 360. Approved elective courses include any ACCTG, B LAW, ECONS, ENTRP, FIN, IBUS, MGMT, MGTOP, MIS, or MKTG course. ³ Communication Specialization: 21 credits are required with a minimum of 9 credits of 300-400-level coursework. Approved courses include any COM, COMJOUR, COMSOC or COMSTRAT course. ⁴ Enrollment in SPMGT 491 requires senior standing, satisfactory completion of SPMGT 490 and a cumulative GPA of 2.75. Additionally, the internship contract must be approved by the internship coordinator prior to enrollment in this course.	
{S} Languages, Cultures, and Race Drop Bachelor of Arts in Humanities - Religious Studies Major	Humanities – Religious Studies Major (120 Credits)	8-22