

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 6
Fall 2022

--REQUIREMENTS--

Faculty Senate approved January 19, 2023

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																
<p>Electrical Engineering and Computer Science Revise graduation requirements for BS in Computer Engineering</p>	<p>Computer Engineering (123 Credits)</p> <p>Students are admitted to the Computer Engineering major upon demonstrating they are calculus-ready and making their intention known to the department. Calculus-ready is defined as having an ALEKS math placement score of 83 <u>80%</u> or higher; or completion of MATH 108 and 171, or a higher calculus course, with a grade of C or better; or completing the Math AP with a score of 2 (places the student in MATH 171), or 3 (credit is given for MATH 171).</p> <p>To remain in good standing students must complete CPT S 121 or 131, MATH 171, 172, 220, 273, and PHYSICS 201/211, each with a grade of C or better, and earn a cumulative WSU GPA of 2.5 or higher upon completion of the above courses.</p> <p>Alternate Pathway:</p> <p>Completion of ALL standard pathway benchmarks and additionally: ENGLISH 101, CHEM 105, PHYSICS 202/212, E E 261, 262, MATH 315, all with a grade of C or better, and a 2.5 cumulative WSU GPA (or transfer GPA if no WSU GPA exists). Everett and Bremerton applicants follow the alternate pathway.</p> <p>No courses listed in this schedule of study may be taken on a pass/fail basis. All listed E E and CPT S courses, required electives, and 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>CHEM 105 [PSCI]</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CPT S 121 or 131[†]</td> <td style="text-align: right;">4</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 171 [QUAN]</td> <td style="text-align: right;">4</td> </tr> <tr> <td> <i>Second Term</i></td> <td style="text-align: right;"> <i>Credits</i></td> </tr> <tr> <td>CPT S 122 or 132[†]</td> <td style="text-align: right;">4</td> </tr> <tr> <td>MATH 172</td> <td style="text-align: right;">4</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	CHEM 105 [PSCI]	4	CPT S 121 or 131 [†]	4	ENGLISH 101 [WRTG]	3	MATH 171 [QUAN]	4	 <i>Second Term</i>	 <i>Credits</i>	CPT S 122 or 132 [†]	4	MATH 172	4	<p>8-23</p>
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MATH 216	3
PHYSICS 201	3
PHYSICS 211	1
Second Year	
<i>First Term</i>	<i>Credits</i>
CPT S 223 or 233 ¹	3
E E 214	4
MATH 220	2
MATH 273	2
PHYSICS 202	3
PHYSICS 212	1
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
E E 234	4
E E 261	3
E E 262	1
HISTORY 105 [ROOT]	3
MATH 315	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
E E 311	3
E E 321	3
E E 324 [M]	4
E E 352 [M]	3
ENGLISH 402 [WRTG]	3
<i>Second Term</i>	<i>Credits</i>
Biological Sciences [BSCI]	3 or 4
CPT S 360 or 370 ¹	4
E E 334	3
Engineering Science Elective ²¹	3
STAT 360	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
CPT E Technical Electives ³²	3
E E 415	2

	<p>ECONS 101 [SSCI] or 102 [SSCI] 3 Humanities [HUM] 3 Senior Design Elective I⁴³ 3</p> <p>Second Term Credits</p> <p>CPT E Technical Electives³² 6 Diversity [DIVR] 3 E E 302 3 E E 416 [CAPS] [M] 3 Complete CPT E Exit Interview and Survey</p> <hr/> <p>Footnotes</p> <p>[†] Students may choose between a C/C++ (CPT S 121, 122, 223, 360) path or a Java programming (CPT S 131, 132, 233, 370) path. Students should stick to one path option. The Java track is not available in Tri-Cities.</p> <p>²¹ Engineering Science Elective: Choose from E E 331, 341, ME 301, or MSE 302. (Note: If either E E 331 or E E 341 is taken as an engineering science elective, it cannot also count as a technical elective.)</p> <p>³² Technical electives (9 credits) must be 300-400-level courses and must be chosen with an advisor's approval. Any of the following courses may be chosen to fulfill technical elective requirements: CPT S 317, 322, <u>327</u>, 350, 355, 411, 422, 430, 437, 440, 442, 443, 451, 452, 455, 460, 466; E E 331, 341, 351, 431, 432, 434, <u>439</u>, 451, 464, 466, 476, 489, 496; One only of MATH 325, 340, 364, 415, 421, 440, 441, 448, 453, 464, 466.</p> <p>⁴³ Senior Design Electives adhere to one of the following sequences: (1) ASIC & Digital Systems: E E 416 and 434; (2) VLSI Design: E E 466 and 416. Students are strongly recommended to complete both senior design elective sequences.</p>	
<p>English Revise requirements for minor in Creative Writing</p>	<p>Creative Writing</p> <p>The Creative Writing minor requires a minimum of 16 credits, at least 9 of which must be upper-division and taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. Required courses include ENGLISH 251 or 252; 9 credits to be chosen from ENGLISH 351, 352, 353, 354, 355, 358, 359, 446, 451, 452, 453; 3 credits of any 300-400 level ENGLISH course; and 1 credit of ENGLISH 357 358, 498, 499.</p>	<p>8-23</p>