

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 7
Fall 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										
<p>Electrical Engineering and Computer Science New degree: BS in Cybersecurity (BSCyber)</p>	<p>Bachelor of Science, Cybersecurity (121 Credits)</p> <p>Students are admitted to the Cybersecurity 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 78% 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); or achieving an IB score of HL 5; or achieving a CLEP score of 50.</p> <p>To remain in good standing students must complete CPTS 121 or 131 and CPTS 122 or 132 and CPTS 223 or 233. In addition, students must also complete MATH 171, 172, 216, and MATH 220 or 225, 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: Completion of ALL standard pathway benchmarks, excluding MATH 216, CPTS 223/233. In addition complete the following courses: a [SSCI] course such as ECONS 101 or 102, ENGLISH 101, PHIL 201, and the [PSCI] requirement of Lab Science Requirement², all with a grade of C or better, and a 2.5 cumulative WSU GPA (or transfer GPA if no WSU GPA exists).</p> <p>No courses listed in this schedule of study may be taken on a pass/fail basis. All courses must be completed with a grade of C or better.</p> <p>First Year</p> <table border="0"> <tr> <td><i>First Term</i></td> <td align="right"><i>Credits</i></td> </tr> <tr> <td>CPT S 101</td> <td align="right">1</td> </tr> <tr> <td>CPT S 121 or 131¹</td> <td align="right">4</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td align="right">3</td> </tr> <tr> <td>Humanities [HUM]</td> <td align="right">3</td> </tr> </table>	<i>First Term</i>	<i>Credits</i>	CPT S 101	1	CPT S 121 or 131 ¹	4	ENGLISH 101 [WRTG]	3	Humanities [HUM]	3	<p align="center">8-23</p>
<i>First Term</i>	<i>Credits</i>											
CPT S 101	1											
CPT S 121 or 131 ¹	4											
ENGLISH 101 [WRTG]	3											
Humanities [HUM]	3											

MATH 171 [QUAN]	4
<i>Second Term</i>	<i>Credits</i>
CPT S 122 or 132 ¹	4
HISTORY 105 [ROOT]	3
MATH 172	4
MATH 216	3
Second Year	
<i>First Term</i>	<i>Credits</i>
CPT S 223 or 233 ¹	3
CPT S 260 or E E 234	3 or 4
Lab Science Requirement [BSCI] ²	4
MATH 220 or 225	2 or 3
Social Science [SSCI]	3
<i>Second Term</i>	<i>Credits</i>
CPT S 317	3
CPT S 321, 323, or 355 ³	3
CPT S 322 [M]	3
Diversity [DIVR]	3
MATH 301 or PHIL 201	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
CPT S 302	3
CPT S 327	3
CPT S 350	3
CPT S 360 or 370 ¹	4
ENGLISH 402 [WRTG] [M]	3
<i>Second Term</i>	<i>Credits</i>
CPT S 427	3
CPT S 451 or 415	3
Computer Science Electives ⁴	6
STAT 360	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CPT S 428	3

	<p>CPT S 455 3</p> <p>CPT S Technical Electives⁴ 3</p> <p>Lab Science Requirement [PSCI]² 4</p> <p><i>Second Term</i> <i>Credits</i></p> <p>CPT S 426 3</p> <p>CPT S 432 [CAPS] [M] 3</p> <p>CPT S 439 3</p> <p>Computer Science Electives⁴ 6</p> <p>Complete CYBER Exit Interview and Survey</p> <hr/> <p>Footnotes</p> <p>¹ Students may choose between a C/C++ (CPTS 121, 122, 223, 360) path or a Java programming (CPTS 131, 132, 233, 370) path. Transitivity allowed between tracks before taking CPTS 223/233. The C/C++ track is not available in Everett.</p> <p>² Lab Science Requirement: 8 credits from CHEM 105 [PSCI], 106, PHYSICS 201 [PSCI] and 211, 202 and 212, BIOLOGY 106 [BSCI], 107 [BSCI]. Graduation requires one BSCI and one PSCI.</p> <p>³ CPTS 323 is only available in Tri-Cities.</p> <p>⁴ Computer Science Electives: 15 credits (minimum 9 credits 300-400 level CPTS courses) and must include one of CPTS 434, 437, 440, or 475. May include a maximum of 3 credits each of CPTS 490 and 499, or 3 credits each of CPT S 488, 499, and ENGR 489. Approved non-CPTS courses are: 300-400-level EE courses, CE 463, DTC 335, EM 464, MBIOS 478, MSE 302, PHYSICS 303, 443, and STAT 436.</p>	
<p>Pharmacy New degree: BS in Pharmaceutical and Medical Sciences</p>	<p>Pharmaceutical and Medical Sciences (120 Credits)</p> <p>First Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>BIOLOGY 106 [BSCI] 4</p> <p>CHEM 105 [PSCI] 4</p> <p>ENGLISH 101 [WRTG] 3</p> <p>MATH 140 [QUAN] 4</p> <p><i>Second Term</i> <i>Credits</i></p> <p>BIOLOGY 107 4</p> <p>CHEM 106 4</p> <p>HISTORY 105 [ROOT] 3</p> <p>Social Sciences [SSCI] 3</p> <p>STAT 212 4</p> <p>Second Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>Arts [ARTS] 3</p> <p>CHEM 345 4</p>	<p>8-23</p>

Humanities [HUM]	3
PHYSICS 101	3
PHYSICS 111	1
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 315	4
BIOLOGY 353	4
CHEM 348	4
Diversity [DIVR]	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
PHARMEDS 301	3
PHARMEDS 313 [M]	3
PHARMEDS 323	3
TMP 350	3
PHARMEDS Elective ¹	3
<i>Second Term</i>	<i>Credits</i>
PHARMEDS 315 [COMM]	4
PHARMEDS 320	3
PHARMEDS 322	3
PHARMEDS 330	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
PHARMEDS 401	3
PHARMEDS 415	3
PHARMEDS 421 [M]	3
TMP 414	3
Research Experience I or PHARMEDS Elective ^{1,2}	3
<i>Second Term</i>	<i>Credits</i>
PHARMEDS 425	3
PHARMEDS 490 [CAPS]	3
TMP 424	3
Research Experience II or PHARMEDS Elective ^{1,2}	3
Selective ³	3

	<p>Footnotes</p> <p>¹ PHARMEDS Electives – 6 credits: Choose from PHARMEDS 444, 445, or other CPPS undergraduate elective courses in consultation with advisor.</p> <p>² Research Experience – 6 credits: Students participating in the Research Track take PHARMEDS 499.</p> <p>³ Selective course – 3 credits: Choose from NEP 200, 477, NURS 323, 455, 471, 476, SHS 479, or other approved course in consultation with advisor.</p>	
<p>Pharmacy New degree: BS in Pharmaceutical and Medical Sciences – Accelerated Pharmacy Option</p>	<p>Pharmaceutical and Medical Sciences – Accelerated Pharmacy Option (120 Credits)</p> <p>First Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>BIOLOGY 106 [BSCI] 4</p> <p>CHEM 105 [PSCI] 4</p> <p>ENGLISH 101 [WRTG] 3</p> <p>MATH 140 [QUAN] 4</p> <p><i>Second Term</i> <i>Credits</i></p> <p>BIOLOGY 107 4</p> <p>CHEM 106 4</p> <p>HISTORY 105 [ROOT] 3</p> <p>Social Sciences [SSCI] 3</p> <p>STAT 212 4</p> <p>Second Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>Arts [ARTS] 3</p> <p>CHEM 345 4</p> <p>Humanities [HUM] 3</p> <p>PHYSICS 101 3</p> <p>PHYSICS 111 1</p> <p><i>Second Term</i> <i>Credits</i></p> <p>BIOLOGY 315 4</p> <p>BIOLOGY 353 4</p> <p>CHEM 348 4</p> <p>Diversity [DIVR] 3</p> <p>Complete Writing Portfolio</p> <p>Third Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>PHARMEDS 301 3</p>	<p>8-23</p>

PHARMEDS 313 [M]	3
PHARMEDS 401	3
PHARMEDS 421 [M]	3
TMP 350	3
<i>Second Term</i>	<i>Credits</i>
PHARMEDS 315 [COMM]	4
PHARMEDS 320	3
PHARMEDS 322	3
PHARMEDS 425	3
TMP 414	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
PHARDSCI 502	4
PHARDSCI 508	3
PHARDSCI 528	3
PHARMACY 516	2
<i>Second Term</i>	<i>Credits</i>
PHARDSCI 510	2
PHARDSCI 512	4
PHARDSCI 518	2
PHARMACY 514	4
PHARMEDS 490 [CAPS]	3