## UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 6

## 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 <br> Date |
| :---: | :---: | :---: |
| Engineering and Computer Science WSU-V Revise graduation requirements for B.S. in Mechanical Engineering, Vancouver | Bachelor of Science, Mechanical Engineering (Vancouver Only) (121120 Credits) <br> For the major in the Mechanical Engineering degree program on the Vancouver campus, students are admitted to the Mechanical Engineering major upon demonstrating they are ready to take MATH 171 (Calculus I) or higher and making their intentions known to the department. <br> To remain in good standing, students must complete the benchmark courses: MECH 211, 212, 215, MATH 171, 172, 220, 273, 315, CHEM 105, and PHYSICS 201 and 211 (or their transfer equivalents) with a grade of C or better and obtain a WSU cumulative GPA of 2.5 or higher when the final benchmark is completed. <br> No courses listed in this schedule of studies may be taken on a pass/fail basis. All upper-division mechanical engineering courses must be completed with a minimum 2.0 average GPA. <br> First Year <br> First Term <br> Arts [ARTS] <br> CHEM 105 [PSCI] <br> HISTORY 105 [ROOT] <br> MATH 171 [QUAN] <br> MECH 103 <br> Second Term <br> CHEM 106 <br> ENGLISH 101 [WRTG] <br> Humanities [HUM] <br> MATH 172 <br> MATH 220 <br> MECH 101 <br> Credits <br> Credits | 8-22 |



|  | Second Term <br> Credits <br> Arts [ARTS] <br> Diversity [DIVR] <br> MECH 417 [CAPS] <br> 400-level MECH Option Courses/Technical Electives ${ }^{1}$ <br> Footnotes <br> ${ }^{1}$ Technical Electives or 400-level MECH Option Courses: The program emphasizes fundamentals and provides flexibility in selecting a course of study through five technical electives. Students can either take any five six elective courses ( $15 \underline{18}$ credits), provided they meet the prerequisites, or they can choose to take a set of related electives comprising an option area and additional electives of their choice. Students are required to work with their faculty advisor to develop their schedule of studies as they are admitted to the program the jumior level. The following are the technical elective courses and option areas: (Option 1) Micro and Nanotechnology: MECH 431, 435, 438, 450; (Option 2) Design and Manufacturing: MECH 476, 477, 485, 489; (Option 3) Mechatronics: MECH 405, 467, 468; (Option 4) Renewable Energy: MECH 441, ECE 421, choice of two courses from MECH 405, 431, 439, 442, 450, 468. |  |
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| Engineering and Computer Science WSU-V <br> Revise requirements for Computer Science minor (Vancouver) | Computer Science (Vancouver only) <br> The minor in computer science consists of $21 \underline{20}$ credit hours, $10 \underline{9}$ of which must be 300-400-level courses taken in residence at WSU or through WSUapproved education abroad or educational exchange courses. Required courses include CS 121 or $251,122,224,360$, and two ( 6 credits minimmu) $300-400$ level CS courses, excluding CS 402. Completion of the minor requires CS 121 or 251; CS 122; CS 223, 224 or CS 261; and 9 credits of 300-400 level CS courses excluding CS 402. All courses must be completed with a grade of C or better and all course prerequisites must be met. The minor course of study must be pre-approved by the computer science academic coordinator. | 8-22 |
| History <br> Move minor in Religious Studies from School of Language, Cultures, and Race to Department of History and revise requirements | Religious Studies <br> A minor in Religious Studies requires 18 credits from the course list below, 9 of which must be in 300-400-level courses taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. A grade of C or better is required in all course work for the minor. Courses include: ANTH 303, ENGLISH 305, 306, 308, 341, 483, 484, 485, FINE ART 201, 202, 302, HISTORY $307,308,332,340,341,343,344,364,370,371$, 372, 373, 374, 465, 474, HUM 103, 335, PHIL 207, 446. | 8-22 |
|  <br> Astronomy <br> Under BS in <br> Physics, add new | Planetary Sciences Option (120 Credits) <br> The concentration in planetary sciences is an interdisciplinary program between the Department of Physics \& Astronomy and the School of the | 8-22 |




