## UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 4 Fall 2016

--REQUIREMENTS—

## Faculty Senate Approved November 17, 2016

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 $\{\mathrm{S}\}$ have been streamlined and do not require Catalog Subcommittee review.

| Dept | Proposed | Effective Date |
| :---: | :---: | :---: |
| Chemistry \{S\}Correct schedule of studies to include missed revisions when $1^{\text {st }}$ submitted as new degree option for Bachelor of Arts in Chemistry Standard Option (Pullman) | Bachelor of Arts in Chemistry - Standard Option (120 Hours) | 8-16 |



| Chemistry <br> \{S\}Correct schedule of studies to include missed | Bachelor of Arts in Chemistry Option (141 Hours) |  | 8-16 |
| :---: | :---: | :---: | :---: |
| submitted as new degree | First Year |  |  |
| Arts in Chemistry - | First Term | Hours |  |
| Secondary Education | CHEM 105 [PSCI] | 4 |  |
| Option (Pullman) | Creative \& Professional Arts [ARTS] | 3 |  |
|  | ENGLISH 101 [WRTG] | 3 |  |
|  | Humanities [HUM] | 3 |  |
|  | MATH $106{ }^{1}$ | 3 |  |
|  | Second Term | Hours |  |
|  | BIOLOGY 107 [BSCI] | 4 |  |
|  | CHEM 106 | 4 |  |
|  | HISTORY 105 [ROOT] | 3 |  |
|  | MATH $108{ }^{1}$ | 2 |  |
|  | Social Science [SSCI] | 3 |  |
|  | Second Year |  |  |
|  | First Term | Hours |  |
|  | CHEM 220 | 2 |  |
|  | CHEM 222 | 2 |  |
|  | Diversity [DIVR] | 3 |  |
|  | MATH 140 [QUAN] ${ }^{1}$ | 4 |  |
|  | PHYSICS $101^{2}$ | 4 |  |
|  | Second Term | Hours |  |
|  | BIOLOGY 106 | 4 |  |
|  | CHEM 301 | 3 |  |
|  | GEOLOGY 101 or 102 | 3 |  |
|  | PHYSICS $102{ }^{2}$ | 4 |  |
|  | TCH LRN 301 | 3 |  |
|  | Complete Writing Portfolio |  |  |
|  | Third Year |  |  |
|  | First Term | Hours |  |
|  | BIOLOGY 430 | 3 |  |
|  | CHEM $338{ }^{3}$ | 3 |  |
|  | CHEM 345 | 4 |  |
|  | CHEM 398 | 1 |  |
|  | STAT 212 | 4 |  |
|  | Second Term | Hours |  |
|  | CHEM 348 | 4 |  |
|  | CHEM $370{ }^{4}$ | 3 |  |


|  | Creative \& Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] <br> Writing [WRTG] or Communications [COMM] ${ }^{5}$ <br> Foreign Language ${ }^{6}$, if needed <br> Apply to College of Education Teaching Certificate Program <br> Summer <br> Hours <br> TCH LRN 317 <br> Fourth Year <br> First Term <br> Hours <br> Advanced Chemistry Elective ${ }^{7}$ <br> ENGR 120 <br> Foreign Language ${ }^{6}$, if needed <br> TCH LRN 464 <br> TCH LRN 465 <br> TCH LRN 466 <br> Second Term <br> Advanced Chemistry Elective ${ }^{7}$ <br> CHEM 485 [CAPS][M] <br> ED PSYCH 468 <br> TCH LRN 467 [M] <br> TCH LRN 469 <br> TCH LRN 470 <br> Fifth Year <br> First Term <br> TCH LRN 415 <br> Footnotes <br> ${ }^{1}$ The minimum math requirement is MATH 140. Students who place into MATH 140 or higher are not required to take MATH 106 or 108. MATH 171 may be substituted for MATH 140. Students who place into MATH 140 should take it during their first year, and may delay one of the UCORE courses, [ARTS], [HUM], or [SSCI]. <br> ${ }^{2}$ PHYSICS 201 and 202 may be substituted for PHYSICS 101 and 102. <br> ${ }^{3}$ CHEM 331 or 332 may replace CHEM 370338. <br> ${ }^{4}$ MBIOS 303 may replace CHEM 370. <br> ${ }^{5}$ One from ENGLISH 201, 301, 302, or 402 is required for admission to the Teacher Education Program. Students who take ENGLISH 302 will need to take an additional [WRTG] or [COMM] course. will meet the Gollege of Education requirement for the second [WRTG] course. <br> ${ }^{6}$ The Foreign Language requirement is that of the College of Arts and Sciences, and may be met by 2 years of a single foreign language in high school. <br> ${ }^{7}$ Advanced Chemistry Electives (minimum 5 credits): Approved courses include CHEM 347, 425, 426, 490, 499 (maximum 2 credits), any GHEM 5XX500-level CHEM course, or STAT 412. Other electives may be used with permission. The requirement is for at least 5 eredits. |  |
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| Civil and <br> Environmental <br> Engineering <br> \{S\} Drop General Option. | Bachelor of Science in Civil Engineering <br> Drop the sub-plan (option) "General" for the Bachelor of Science in Civil Engineering. There is only one plan with no additional options or sub-plans. | 8-17 |
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| College of Arts and Sciences Validate [SCI] requirements for College of Arts and Sciences degrees where required. | The College of Arts and Sciences (CAS) may require CAS students using the SCIENCE [SCI] option for fulfillment of the UCORE requirement "Inquiry in the Natural Sciences" to complete the SCIENCE 101 [SCI] and 102 [SCI] series. This is currently stated as a requirement in the CAS graduation requirements on page 33 and 35 of the 2016 WSU Catalog and in a footnote on all applicable CAS 4 year plans. | 8-17 |
| Criminal Justice and Criminology <br> Revise graduation requirements for major in Criminal Justice \& Criminology | Criminal Justice and Criminology (120 Hours) <br> A student may certify as a criminal justice and criminology major upon completing 24 semester hours credits and a minimum WSU cumulative GPA of 2.50 or better. <br> Students who major in criminal justice and criminology must complete the 15 hour 18 credit criminal justice core (CRM J 101, 201, 205, 330, 450, and either 320 or 420); 3 credits from CRM J 365 or 390; 6 hours credits in research methods and quantitative analysis; 6 hours- 9 credits in criminal justice institutions courses; 9 hours- 6 credits in criminal justice electives; 9 hours from any upper-division political science courses; and 3 credits from POL S 101 or 206.hours in specified College of Arts and Sciences electives. | 8-17 |


|  | Second Year <br> First Term <br> Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ${ }^{1}$ <br> CRM J 330 <br> Diversity [DIVR] <br> Humanities [HUM] <br> Electives <br> Second Term <br> Creative \& Professional Arts [ARTS], Humanities [HUM], or <br> Social Sciences [SSCI] <br> GRM J Electives ${ }^{2}$ <br> CRM J 365 or 390 <br> CRM J Institution Course ${ }^{32}$ <br> Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ${ }^{1}$ <br> 300-400-level POL S Course ${ }^{4}$ <br> Electives <br> Complete Writing Portfolio <br> Third Year <br> First Term <br> CRM J 311 <br> CRM J 320 or 420 [M] <br> Electives <br> GRM J Electives ${ }^{2}$ <br> GRM J Institution Course ${ }^{3}$ <br> 300-400-level POL S Course ${ }^{4}$ <br> Second Term <br> CRM J 321 <br> CRM J Electives ${ }^{23}$ <br> CRM J Institution Course ${ }^{32}$ <br> 300-400-level POL S Course ${ }^{4}$ <br> Electives ${ }^{3}$ <br> Fourth Year <br> First Term <br> CRM J 403 [CAPS] or Integrated Capstone [CAPS] <br> CRM J Electives ${ }^{23}$ <br> Foreign Language, if necessary, and/or Electives ${ }^{3}$ <br> Non CRM J Departmental Elective ${ }^{5}$ <br> Second Term <br> CRM J 450 [M] | Hours <br> Hours <br> 3 <br> 3 <br> $\underline{9}$ <br> 3 <br> 3 <br> 3 <br> Hours <br> 3 <br> 3 <br> 3 <br> 3 <br> 6 <br> Hours <br> 3 <br> $\underline{3}$ <br> $7 \underline{9}$ <br> 3 <br> Hours <br> 3 |
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| Environment <br> Revise graduation requirements for Bachelor of Science in Earth and Environmental Science - Environmental and Ecosystem Sciences major | Environmental and Ecosystem Sciences (120 Hours) | 8-17 |



1 MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172 or ALEKS with a $7080 \%$ or better, MATH 106 and 108 will be waived. If waived, students may need to take additional credits to meet the University minimum of 120 credits.
42 Altermative to NATRS 300 is Students who take ENVR SCI 250 must also take BIOLOGY 372.
${ }^{23}$ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
34 Approved 200-level required electives by campus-include: (Pullman) ENVR SCI, 250, 275, 285, GEOLOGY 230 or NATRS 204; (Tri-Gities) GEOLOGY 230; (Vaneouver) ENVR SGI, 250, 275, or GEOLOGY 230. Not all courses available on all campuses.
5 Modeling and Spatial Analysis by campus: (Pullman) BIOLOGY 340, ENVR SCI 310, or SOIL SCI 368; (Tri-Cities) ENVR SCI 310; (Vancouver) BIOLOGY 340 or ENVR SCI 310.
${ }^{6}$ MATH 172 is a prerequisite for STAT 360 and 370.
7 Water Science by campus: (Pullman) GEOLOGY 315 or NATRS 460; (Tri-Gities) GEOLOGY 230 or 475; (Vancouver) BIOLOGY 308 or ENVR SCI 463.
85 Professional electives ( 31 credits) are courses selected by students in concert with their advisor and pertain to their major and/or to a specific sub-discipline of interest. Professional electives may also include courses from outside of their major as needed to complete a minor in another field of study. Approved courses include but are not limited to: ECONS 330, ENVR SGI 275, 285, or any 300-400-level ENVR SCI, GEOLOGY, NATRS, or SOIL SCI course, GEOLOGY 210, 230, or any 300-400-level GEOLOGY eourse, NATRS 204, or any 300-400-level NATRS course, any 300-400-level SOL SCI eourse, minors in Sociology, Political Science, Griminal Justice and Geospatial Analysis, or as approved by advisor.
96 NATRS 312 satisfies both the DIVR and the Society and Environmental Management requirements for Pullman campus.
${ }^{10}$ Earth Systems by campus: (Pullman) GEOLOGY 303; (Tri-Cities) GEOLOGY 390; (Vancouver) ENVR SCI 410.
11 Society and Environmental Management by campus: (Pullman) ENVR SCI 444 of NATRS 312; (Tri-Cities) ENVR SCI 335 or 444; (Vancouver) ENVR SCI 335 or 444.
${ }^{12}$ Approved Integrated Gapstone courses include: BЮLOGY 401 (Tri Gities and Pullman), BЮLOGY 408 (Pullman), and (Vancouver) as approved by advisor.
${ }^{13}$ Writing in the Major by campus: (Pullman) NATRS 411, 446, 450, 454, 464; (Tri-Cities) ENVR SCI 335 and 404; (Vancouver) ENVR SCI 335 and 404.
${ }^{147}$ Certified students in the School of the Environment are required to fulfill the SOE Experiential Requirement before graduation. This requirement is designed to give students experience that they will not receive in the traditional classroom oriented course, and to better prepare them for a successful career after graduation. Approved courses include-Students may choose 3 credits of coursework from (Pullman) ENVR SCI 492, 495, 499, NATRS 479; (Tri-Cities) ENVR SCI 492, 495; (Vancouver) ENVR SCI 492, 495; or as approved by advisor. As an alternative to coursework, students may meet the requirement by documenting at least 135 hours of relevant practical experience. Students choosing the practical experience option may need an additional 3 credits of electives to meet the University requirement of 120 total credits. Students can also meet the requirement by documenting at least 135 hours of volunteer or paid work related to their field of study and approved by their advisor. This allows students to obtain relevant experience without the constraints of a course taught during a particular semester.
8 The School of the Environment requires students to complete 3 [M] courses. Check with advisor for course recommendation
159 Students must complete a School of the Environment exit survey, administered during the final semester.

## Foreign Languages and

 CulturesRestored minor in
Russian Area Studies

## Russian Area and Culture Studies

A minimum of 17 credits is required. A foundation of the target language, Russian 203 (4 credits) and Russian 204 (4 credits), is required; in addition, 3 upper-division courses ( 9 credits) of further

|  | knowledge must be taken from any of these: RUSSIAN 321, 361, 410, 430, 462, 463 or HISTORY 466. A minimum of 9 credits with a letter grade must be taken in residence at WSU, of which 3 must be at the $300-400-l e v e l$. All courses must be passed with a grade of C or better. Only courses thus designated in the Catalog may be repeated for credit toward the minor. Courses counting in the Russian Area and Culture Studies Minor may not be counted towards a major in International Area Studies (i.e., Latin America Area Studies, German Area Studies, European Area Studies, French and Francophone Area Studies). Russian courses of 105, 205, and 305 may not count towards the minor. Students must complete an exit proficiency exam during the semester in which they complete the last language course of the minor. Credit hours for the minor must include 9 hours of upper division coursework taken in residence at WSU or through WSU approved education abroad or educational exchange course. For courses taken in Study Abroad Programs or as other transfer credits, please check with your advisor. |  |
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| Politics, Philosophy, and Public Affairs \{S\}Correct Schedule of Studies to remove nonmajor [M] designator and adjust footnote 4 for Bachelor of Arts in Political Science - PreLaw Option | Political Science - Pre-Law Option (120 Hours)  <br>   <br> Third Year Hours <br> First Term 3 <br> 300-400-level POL S Elective ${ }^{2}$ 3 <br> CRM J 320 or 420[M] 3 <br> POL S 402 5 <br> Foreign Language, if necessary, and/or Electives Hours <br> Second Term 3 <br> 300-400-level POL S Elective ${ }^{2}$ 3 <br> POL S 404 [M] 9 <br> Foreign Language, if necessary, and/or Electives  <br> Fourth Year Hours <br> First Term 3 <br> 300-400-level POL S Elective ${ }^{2}$ 3 <br> Diversity [DIVR] 9 <br> 300-400-level Electives Hours <br> Second Term 3 <br> Integrative Capstone [CAPS] 3 <br> PHIL 470 8 <br> 300-400-level Electives  | 8-16 |


|  | Footnotes |
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|  | ${ }^{1}$ To meet University and College of Arts and Sciences requirements, students must take a |
|  | [BSCI] course with lab and [PSCI] course with lab or SCIENCE 101 [SCI] and SCIENCE |
|  | 102 [SCI]. SCIENCE 101 [SCI] is offered Fall semester and is a prerequisite for SCIENCE |
|  | 102 [SCI]. SCIENCE 102 [SCI] is offered Spring semester. |
|  | 2 POL S Electives mayneed to include an additional [M] course to fulfill University |
|  | requirements. |

