UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 5
Fall 2016

Faculty Senate approved January 12, 2017

--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.

Dept	Proposed	Effective Date
Civil and Environmental Engineering Revise graduation requirements for the BS in Civil Engineering	**Civil Engineering (~~127~~ 128 Hours)**	**8-17**

Civil Engineering (~~127~~ <u>128</u> Hours)

Second Year

First Term	*Hours*
CE 211[1]	3
COM 102 [COMM] or H D 205 [COMM] <u>or Humanities [HUM]</u>[2]	3
Diversity [DIVR]	3
MATH 273	2
PHYSICS 201 [PSCI][1]	4

Second Term	*Hours*
C E 215	3
CHEM 106, GEOLOGY 102, or PHYSICS 202[~~2~~<u>3</u>]	4
E E 221	2
~~MATH 360 or 370~~	~~3~~
ME 212	3
ME 220	1
<u>STAT 360 or 370</u>	<u>3</u>
Complete Writing Portfolio	

Third Year

First Term	*Hours*
CE 302	2
CE 315	3
CE 317 [M]	3
CE Breadth Electives[3,4,<u>5</u>]	6
CST M 254	2
Second Term	*Hours*

CE 303	2
CE Breadth Electives[3,4,5]	6
~~E E 304 or ME 301~~	~~2~~
ENGLISH 402 [WRTG] or COM 400 [COMM][2]	3
MATH 315	3
<u>MSE 201 or ME 301</u>	<u>3</u>

Fourth Year

First Term	*Hours*
CE 463	3
CE 480 [M]	1
CE Electives[4,5]	9
CE Laboratory Elective[6,7]	3
Fundamentals of Engineering Exam	

Second Term	*Hours*
CE 465 [CAPS] [M][7,8]	3
CE 466	1
CE Electives[4,5,6]	9
Humanities [HUM] <u>or upper-division CE Elective</u>[2,9]	3
Complete Experiential Requirement	
Exit Interview	

Footnotes

[1]   Classes that must be completed prior to certification.

[2]   <u>To fulfill their upper-division CE elective and technical writing requirements, students can choose one of the following course combinations: COM 400 and an upper-division CE elective; ENGLISH 402 and COM 102; ENGLISH 402 and H D 205.</u>

[~~2~~3]   CHEM 106 strongly recommended for students emphasizing environmental engineering; GEOLOGY 102 strongly recommended for students emphasizing structural, geotechnical, or infrastructure engineering.

[~~3~~4]   CE Breadth Electives: Choose three courses from CE 322, 330, 341 and 351 and one other upper-division CE elective not including 495, 499 or any course used to fulfill a major requirement.

[~~4~~5]   CE Electives and CE Breadth Electives: One course must be chosen from CE 341, 401, 403, 405, 433, 436, 450, 472, 473, or 476, which are designated as having a sustainability component.

[~~5~~6]   CE Elective courses: The 18-credit hours for elective courses must be distributed such that at least three courses, not including the lab, are designated as having design emphasis. Those design courses must be selected such that at least one is chosen from two different areas of study, which include Environmental (CE 401, 402, 403, 415, 418, 419, and 442); Geotechnical (CE 400, 425 and 435); Hydraulics (CE 416,450, 451, 456, 460, and 475); Structural (CE 414, 430, 431, 433, 434, and 436); Sustainability (CE 405<u>,</u> ~~and~~ 456<u>, and 472</u>); and Transportation/Pavement (CE 400, <u>472,</u> 473, and 476); Other approved courses include: ~~CE 400, 401, 402, 403, 405, 414, 415, 416, 418, 419, 425, 430, 431, 433, 434, 435, 436, 442, 450, 451, 456, 460, 473, 475, 476,~~ <u>4 credits of CE 488,</u> 498, ~~502, 503, 505, 515, 518, 519, 525, 534, 551, 560,~~ CST M 356, 462, 466 or as approved by advisor.

[~~6~~7]   CE Laboratory Elective: Choose one from CE 400, 414, 415, or 416.

[~~7~~8]   Course to be taken in final semester. With permission of advisor, student may substitute ENGR 421 or 431 for CE 465.

	9 Upper-division CE Elective – any CE Elective or CE Breadth Elective not used to fulfill major requirements, or as approved by advisor. CE 495 and 499 cannot be used to fulfill this requirement.	
Electrical Engineering and Computer Science Revise certification requirements for BA in Computer Science	**Bachelor of Arts, Computer Science (120 Hours)** Students may apply for certification into the Bachelor of Arts in Computer Science degree program after completion of the following courses with a grade of C or better and a cumulative GPA of 2.5 or higher: CPT S 121, 122, and 223, or CPT S 131, 132, and 233; MATH 201, 202, 216; PHIL 201. The MATH 171, 172 sequence may be substituted for the MATH 201, 202 sequence. 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. In addition to outlined requirements, all students are expected to meet the university certification requirements—see Academic Regulation 53 in the catalog. Consult with advisor at campus of residence for alternative course sequences.	**8-17**
Electrical Engineering and Computer Science Revise certification requirements for the BS in Computer Science	**Bachelor of Science, Computer Science (120 Hours)** Students may apply for certification into the Bachelor of Science in Computer Science degree program after completion of the following courses with a grade of C or better and a cumulative GPA of 2.5 or higher: CPT S 121 and 122, or 131 and 132, MATH 171, 172, 216, PHIL 201, PHYSICS 201. 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. In addition to the outlined requirements, all students are expected to meet the university certification requirements—see Academic Regulation 53 in the catalog. Consult with advisor at campus of residence for alternative course sequences.	**8-17**
Electrical Engineering and Computer Science Revise Certification and Degree Requirements for BS in Software Engineering	**Software Engineering (121 122 Hours)** Students may apply for certification into the Bachelor of Science in Software Engineering degree program after completion of the following courses with a grade of C or better and a cumulative GPA of 2.5 or higher: CPT S 121or 131, 122 or 132; MATH 171, 172, 216; PHIL 201; PHYSICS 201.	**8-17**

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.

First Year

First Term	*Hours*
CPT S 121 or CPT S 131	4
ENGLISH 101 [WRTG] or ENGLISH 105 [WRTG]	3
MATH 171 [QUAN]	4
PHIL 201	3

Second Term	*Hours*
CPT S 122 or CPT S 132	4
HISTORY 105 [ROOT]	3
MATH 172	4
MATH 216	3

Second Year

First Term	*Hours*
CPT S 223 or CPT S 233	3
CPT S 260	3
MATH 220	2
MATH 273 or MATH 301	2 or 3
PHYSICS 201 [PSCI]	4

Second Term	*Hours*
CPT S 321	3
CPT S 355	3
Creative & Professional Arts [ARTS]	3
ECONS 101 [SSCI] or ECONS 102 [SSCI]	3
Humanities [HUM]	3

Third Year

First Term	*Hours*
CPT S 302	3
CPT S 317	3
CPT S 322 [M]	3
CPT S 360 or CPT S 370	4
ENGLISH 402 [WRTG] or ENGLISH 403 [WRTG]	3
Complete Writing Portfolio	

Second Term	*Hours*
Biological Science [BSCI]	3
CPT S 350	3

	CPT S 451 ~~CPT S 451~~	~~3~~
	CPT S/MATH 453	3
	CPT S 487	3
	Diversity [DIVR]	3
	STAT 360	3

Fourth Year

First Term	*Hours*
CPT S 421	3
CPT S 422 [M]	3
CPTS 451 or CPT S 455	3
CPT S 484	3
Software Engineering Option Course[1]	3

Second Term	*Hours*
CPT S 423 [CAPS]	3
CPT S 460, CPT S 464, or CPT S 466[2]	3
CPT S 476	3
Software Engineering Option Courses[1]	6

Footnotes

[1] Software Engineering Option Courses (Nine credits required): Any 400 level course in CPT S, E E, or MATH not used to fulfill major requirements. Upper-division courses in other disciplines may be used with prior approval by advisor.

[2] Three credits of CPT S 483 may be substituted with prior approval by advisor.

Hospitality Business Management
Revise text for HBM minor to better clarify requirements.

Hospitality Business Management

8-17

To be eligible to certify in the hospitality business management minor, students must be certified in a major and have a cumulative GPA of 2.5. The minor in hospitality business management requires a minimum of 19 ~~hours~~ credits with an overall GPA of 2.5. ~~9 of which must be 300-400 level with an overall GPA of at least a 2.5 in the required courses.~~ The required courses are ACCTG 230, HBM 101 or 401, and 5 College of Business or Hospitality Business Management courses ~~of which at least~~ including nine ~~hours~~ credits of 300-400 level HBM courses. No 498 or 499 courses may be applied toward the minor. ~~must be Hospitality Business Management courses at the 300-400 level.~~ Nine ~~hours~~ credits must also be 300-400 level courses taken in residence at WSU or though WSU-approved education abroad or educational exchange ~~courses and they may not include any 498 or 499 courses.~~ Up to 6 ~~hours~~ credits may

	be transferred from another institution. Students must ensure that they meet all course prerequisites before seeking admission to any College of Business course. In addition, students must complete 400 hours of internship/industry experience to earn the minor. In order for hours to count for the requirement, they must meet the following criteria: 1. Hours must be worked after high-school graduation; 2. All hours must be documented as paid; 3. Hours must be worked at a company whose primary source of revenue is derived from hospitality services; and 4. The employer evaluation for the hours must reflect an average of 80% across the ratings criteria on the form.	
Politics, Philosophy, and Public Affairs Revised degree requirements for the BA in Political Science, General Option	**Political Science - General Option (120 Hours)** 36 ~~credits~~ <u>hours</u> in POL S are required, at least 15 of which must be earned at WSU.	**8-17**

Political Science - General Option (120 Hours)

36 <u>credits</u> ~~hours~~ in POL S are required, at least 15 of which must be earned at WSU.

Second Year

First Term	*Hours*
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI][1]	4
Creative & Professional Arts [ARTS]	3
~~Electives~~	~~3~~
Foreign Language, if ~~necessary~~ <u>needed</u>, <u>and /</u>or Electives[2]	~~3 or 4~~ <u>6</u>
POL S 103	3

Second Term	*Hours*
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI][1]	4
POL S 201	3
Foreign Language, if ~~necessary~~ <u>needed</u>, <u>and /</u>or Electives[2]	7
Complete Writing Portfolio	

Third Year

First Term	*Hours*
~~300-400 level Creative & Professional Arts, Humanities, or Social Sciences Elective~~	~~3~~
POL S Electives[~~2~~<u>3</u>]	9
~~300-400 level~~ Electives[4]	~~3~~<u>6</u>

Second Term	*Hours*
~~300-400 level Creative & Professional Arts, Humanities, or Social Sciences Elective~~	~~3~~
~~ENGLISH 201 [WRTG], 301 [WRTG], or 402 [WRTG] [M]~~	~~3~~

	Hours
Communication [COMM] or Written Communication [WRTG]	3
POL S Electives[23]	6
Electives ~~(CPT S or STAT recommended)~~ [4]	~~3~~6

Fourth Year

First Term	*Hours*
~~300-400-level Creative & Professional Arts, Humanities, or Social Sciences Elective~~	~~3~~
~~300-400-level~~ POL S Electives[23]	3
~~300-400-level~~ Electives[4]	~~9~~12

Second Term	*Hours*
~~300-400-level Creative & Professional Arts, Humanities, or Social Sciences Elective~~	~~3~~
~~300-400-level~~ POL S Electives[23]	6
Integrative Capstone [CAPS]	3
~~300-400-level~~ Electives[4]	~~3~~6

Footnotes

[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] 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

[23] POL S Electives: 24 credits required. Must include a minimum of 9 credits of 300-400 level coursework and 2 [M] courses. ~~may need to include [M] courses to fulfill University requirements.~~

[4] Electives must include a sufficient number of 300-400-level electives to fulfill the University requirement of 40 credits of upper division coursework. A CPT S or STAT course is recommended but not required.