UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 11
Spring 2019

--REQUIREMENTS--

Faculty Senate approved March 28, 2019

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. The text under the heading titled *Proposed* will show strikethroughs for deletions, and underlines for additions, as needed. Note: Items marked {S} have been streamlined and do not require Catalog Subcommittee review.

Dept	Proposed	Effective Date
Engineering and Computer Science WSU-Vancouver {S}Revise graduation requirements for Bachelor of Science in Electrical Engineering (Vancouver only)	**Bachelor of Science, Electrical Engineering (Vancouver only)(121 Hours)**	**8-19**

Third Year

First Term	*Hours*
ECE 321	3
ECE 325	4
ECE Elective[1]	3
ENGLISH 402 [WRTG]	3
STAT 360	3

Second Term	*Hours*
ECE 341	3
ECE 370	3
ECE Electives[1]	9

Fourth Year

First Term	*Hours*
ECE 411	3
ECE 451	2
ECE Electives[1]	9

Second Term	*Hours*
~~Creative & Professional~~ Arts [ARTS]	3
ECE 405 [M]	3
ECE 452 [M] [CAPS]	3
ECE Electives[1]	6

Footnotes

[1] ECE Electives must be chosen from CS 330, 466, ECE 302, 316, 324, 327, 349, 366, 414, 421, 424, 425, 461, 462, 466, 471, 476, 477, <u>483,</u> 496, MECH 441, 467, 468, or be pre-approved by a faculty advisor.

Engineering and Computer Science WSU-Vancouver	Bachelor of Science, Mechanical Engineering (Vancouver Only) (121 Hours)	8-19
{S}Revise graduation requirements for Bachelor of Science, Mechanical Engineering (Vancouver Only)		

Bachelor of Science, Mechanical Engineering (Vancouver Only) (121 Hours)

Third Year

First Term	*Hours*
ENGLISH 402 [WRTG]	3
MECH 301	3
MECH 303	3
MECH 304	3
MECH 309 [M]	3

Second Term	*Hours*
MECH 310	4
MECH 314	3
MECH 348	3
MECH 404	3
400-level MECH Option Course/Technical Elective[1]	3

Fourth Year

First Term	*Hours*
MECH 402	3
MECH 414	3
MECH 416 [M]	2
400-level MECH Option Courses/Technical Electives[1]	~~3~~6
~~400-level MECH Technical Elective[1]~~	~~3~~

Second Term	*Hours*
~~Creative & Professional~~ Arts [ARTS]	3
Diversity [DIVR]	3
MECH 417 [CAPS]	3
400-level MECH Option Courses/Technical Electives[1]	~~3~~6
~~400-level MECH Technical Elective[1]~~	~~3~~

Footnotes

[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 elective courses (15 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 at the junior 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, 431, and 450.

History Add new minor: War and Society	**War and Society** The minor in War and Society addresses political, social, economic, and cultural impacts of war. The minor requires 18 credits, 9 of which must be 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. Approved courses include: HISTORY 386, 387, 388, 390, 416, 418, 449, 455, 464, 466, 468.	**8-19**
Integrated Plant Sciences Revise graduation requirements for Bachelor of Science in Integrated Plant Sciences - Landscape Nursery, and Greenhouse Management	**Landscape, Nursery, and Greenhouse Management (120 Hours)** **First Year** *First Term* — *Hours* [COMM] Course (COM 102 [COMM] or H D 205 [COMM] recommended) — 3 or 4 BIOLOGY 107 [BSCI] or 120 [BSCI] — 4 ~~CHEM 101 [PSCI] or 105 [PSCI]~~ — 4 ~~Creative & Professional Arts [ARTS]~~ — 3 HISTORY 105 [ROOT] — 3 HORT / CROP SCI 102 — 3 Electives — 3 *Second Term* — *Hours* BIOLOGY 106, 107, or 120 — 4 ~~CHEM 102 or 106~~ — 4 ENGLISH 101 [WRTG] — 3 HORT / CROP SCI 202 — 4 MATH 140 [QUAN], 171 [QUAN], 202 [QUAN], or STAT 212 [QUAN] — 3 or 4 **Second Year** *First Term* — *Hours* ~~BIOLOGY 106 [BSCI], 107 [BSCI], or 120 [BSCI]~~ — 4 CHEM 101 [PSCI] or 105 [PSCI] — 4 ~~HORT 231~~ — 3 HORT 330 — 3 Humanities [HUM] — 3 SOIL SCI 201 — 3 Electives — 3	**8-19**

Second Term	*Hours*
CHEM 102 or 106	4
~~HORT 232~~	~~3~~
~~HORT 251~~	~~4~~
HORT 357	3
HORT 358	1
Horticulture Elective[1]	3
~~Social Sciences [SSCI]~~	~~3~~
Electives	~~4~~3
Complete Writing Portfolio	

Third Year

First Term	*Hours*
Arts [ARTS]	3
~~BIOLOGY 106, 107, or 120~~	~~4~~
Diversity [DIVR]	3
ENTOM 343 [M]	3
Horticulture Elective~~s~~[1]	3
Electives	~~3~~2

Second Term	*Hours*
~~Advanced Plant Science Elective[2]~~	~~3 or 4~~
ENTOM 351	3
HORT 331	3
HORT 351	4
~~Horticulture Electives[1]~~	~~3~~
Social Sciences [SSCI]	3
~~300-400-level~~ Electives	3

Third Term	*Hours*
(Summer Session) HORT 399	1

Fourth Year

First Term	*Hours*
Advanced Plant Science Elective[2]	3 ~~or 4~~
Horticulture Elective[1]	3
PL P 300 or 429	2 or 3
Electives	~~9~~6

Second Term	*Hours*
Advanced Plant Science Elective[2]	3
~~400-500-level Seminar in CAHNRS[3]~~	~~1~~
~~HORT 357~~	~~3~~

	HORT 416[4]	3	
	HORT 425 [M] [CAPS]	3	
	~~Horticulture Elective[1]~~	~~1~~	
	SOIL SCI 302 [M] or 441	3	
	<u>Electives</u>	<u>3</u>	

Footnotes

[1] ~~Approved~~ Horticulture Electives (~~7~~9 credits minimum): <u>Approved courses include</u> CROP SCI 301, 305, 401 [M]<u>, 443</u>; HORT 310, 313, 320, ~~332,~~ ~~350~~358<u>; SOIL SCI 101</u> or as approved by advisor.

[2] Advanced Plant Science Electives <u>(6 credits)</u>: BIOLOGY 301, 332 [M], 372 [M], 409, 462; ~~CROP SCI/HORT 445 [M];~~ HORT 418 [M]<u>, 445 [M], 480</u>; ~~NATRS~~ <u>SOE</u> 300, 450 [M], 454 [M], 464 [M]~~;~~ or as approved by advisor.

[3] ~~Seminar in CAHNRS (1 credit): AGTM 451, CROP SCI /SOIL SCI 412, HORT/VIT ENOL 409, or as approved by advisor.~~

[4] ~~CROP SCI 411 [M] can be taken in the fall as an alternative to HORT 416.~~

English
New subplan(option) for Bachelor of Arts in English - Integrative English Studies

English - Integrative English Studies Option (120 Hours)

Requirements for this degree include 24 credits of core classes; 3 credits of an Internship or other High-Impact Practice (ENGLISH 498 and/or 499), and 18 credits of English and Humanities electives to include a maximum of 3 credits of 100-200 level coursework and a minimum of 9 credits of 400-level coursework.

First Year

First Term	*Hours*
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI][1]	4
HISTORY 105 [ROOT]	3
Humanities [HUM][2]	3
Quantitative Reasoning [QUAN]	3
Electives	3

Second Term	*Hours*
Arts [ARTS][2]	3
ENGLISH 101 [WRTG]	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI][1]	4
Social Science [SSCI]	3
Electives	3

Second Year

First Term	*Hours*
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI][2]	3
Communication [COMM] or Written Communication [WRTG][2]	3
Diversity [DIVR][2]	3

8-19

ENGLISH or HUMANITY Elective[3]	3	
Electives	3	

Second Term	*Hours*	
ENGLISH 251, 339, 342, 361, or 357	3	
ENGLISH 256, 301, 307 [M], 308 [M], 360, or WOMEN ST 300 [M]	3	
ENGLISH 302 [M]	3	
Electives	6	
Complete Writing Portfolio		

Third Year

First Term	*Hours*	
ENGLISH 305, 306, 366, 368, 370, 371, 372, 401, or 454	3	
ENGLISH 373 or 489	3	
ENGLISH Elective[3]	3	
Foreign Language, if needed, or Electives[4]	4	
Electives	3	

Second Term	*Hours*	
ENGLISH 309, 317, or 363	3	
ENGLISH 322 or 362	3	
Foreign Language, if needed, or Electives[4]	3 or 4	
Electives	6	

Fourth Year

First Term	*Hours*	
ENGLISH 472	3	
300-400-level ENGLISH Elective[3]	3	
400-level ENGLISH Electives[3]	6	
Electives	3	
Complete English Portfolio		

Second Term	*Hours*	
ENGLISH 410 [CAPS], 415 [CAPS], 494 [CAPS], or Integrative Capstone[2]	3	
ENGLISH 498 (Internship) or 499 (Independent Study)[5]	3	
400-level ENGLISH Elective[3]	3	
Electives[6]	3	

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 Only 3 ENGLISH courses may be used to fulfill UCORE requirements. ³ English and Humanities Electives: (18 credits) Approved courses include any ENGLISH course 108-495 (excluding ENGLISH 402 and 403) not used to fulfill other requirements; HUMANITY 101, 103, 130, 302, 304, 335, 350, 410, 450. Maximum of 3 credits HUMANITY courses; maximum of 3 credits of 100-200 level coursework and minimum of 9 credits of 400-level coursework. May need to include [M] course to meet University requirements. ⁴ 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. ⁵ Internship and Independent Study credit may vary depending on the scale of the project. Students must complete at least 3 credits of ENGLISH 498 and/or 499. ⁶ Electives should include sufficient 300-400-level coursework to meet the University requirement of 40 credits of upper-division coursework.	
Neuroscience Revise certification and graduation requirements for the Bachelor of Science in Neuroscience - Pre-Veterinary Option	**Neuroscience - Pre-Veterinary Option (120 Hours)** Students may certify in general neuroscience (including Pre-Medical/Pre-Dental and Pre-Veterinary options) after completing a minimum of 24 semester hours with a 3.0 minimum GPA overall, and a 3.0 minimum GPA in ~~BIOLOGY 106,~~ BIOLOGY 107, CHEM 105, CHEM 106 or 116, MATH 140 or 171, <u>NEUROSCI 301, NEUROSCI 302,</u> PHYSICS 101, ~~or~~ 201, or 205, and PHYSICS 102, ~~or~~ 202, or 206, or CHEM 345. Students are encouraged to take the GRE after completion of the third year and apply to Veterinary School by the end of the first term of the fourth year. **First Year** | *First Term*	*Hours*
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CHEM 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
MATH 140 [QUAN] or 171 [QUAN]	4
~~NEUROSCI 138~~	~~1~~
PSYCH 105 [SSCI]	3 | | *Second Term*	*Hours*
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BIOLOGY 107 [BSCI]	4
CHEM 106	4
~~Creative & Professional Arts [ARTS]~~	~~3~~
HISTORY 105 [ROOT]	3
<u>NEUROSCI 201 [COMM]</u>	<u>3</u> | **Second Year** | *First Term*	*Hours*
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BIOLOGY 106	4
CHEM 345	4		**8-19**

Communication [COMM] or Written Communication [WRTG]	~~3~~
NEUROSCI 301[1]	3
PHYSICS 101 or 201	4

Second Term	*Hours*
BIOLOGY/MBIOS 301	4
Diversity [DIVR]	3
~~NEUROSCI 301~~	~~3~~
NEUROSCI 302	3
PHYSICS 102 or 202	4
Complete Writing Portfolio	

Third Year

First Term	*Hours*
Behavior Course[~~1~~2]	3 or 4
MBIOS 303	4
Statistics Course[~~2~~3]	3 or 4
Neuroscience Electives[~~3~~4]	5

Second Term	*Hours*
Arts [ARTS]	3
Humanities [HUM]	3
NEUROSCI 404	4
Electives[~~4~~5]	~~9~~7

Fourth Year

First Term	*Hours*
NEUROSCI 430 [M]	4
Electives[~~4~~5]	12

Second Term	*Hours*
NEUROSCI 403 [M]	3
NEUROSCI 490 [CAPS]	3
Electives[~~4~~5]	9

Footnotes

[1] PSYCH 372 may be taken in place of NEUROSCI 301 with department permission.

[~~1~~2] Behavior Course: Choose one course from: NEUROSCI 305, 333, or 409.

[~~2~~3] Statistics Course: Choose one course from: PSYCH 311, STAT 212, 360, 370, or 412.

[~~3~~4] Neuroscience Electives (5 credits): Approved courses include BIOLOGY 301, 315, 321, 340, 352, 353, 354, 438, 456; MATH 340; MBIOS 301, 304, 305, 401, 404, 413; NEUROSCI 305, 409, 425, 426; PHYSICS 466; PSYCH 265, 312, 333, 350, 361, 372, 384, 464, 470, 490, 491; VET PH 308. Courses may not be used to fulfill more than one requirement. Other courses may be allowed by department consent. Please see your advisor.

	[4][5] Elective choices should include 300-400 level coursework to meet the University minimum requirement of 40 upper division credits. Consult your advisor regarding elective courses that may be required or recommended for admission to a DVM program.	
Women's, Gender, and Sexuality Studies Revise graduation requirements for Bachelor of Arts in Women's Studies	**Women's Studies (120 Hours)** The major in Women's Studies requires a minimum of 36 credits, of which 15 credits are required in the major, 12 credits are required in Field Electives, and 9 credits are required in Interdisciplinary Electives. 15 credits of electives must be at the 300-400 level.	**8-19**

First Year

First Term	*Hours*
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI][1]	4
~~CES 201~~	~~3~~
ENGLISH 101 [WRTG]	3
Social Sciences [SSCI]	3
WOMEN ST 101 [DIVR] or WOMEN ST 120 [DIVR]	3
~~Electives~~	~~4~~

Second Term	*Hours*
~~Creative & Professional Arts [ARTS]~~	~~3~~
HISTORY 105 [ROOT]	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI][1]	4
Quantitative Reasoning [QUAN]	3 or 4
~~WOMEN ST 201~~	~~3~~
WOMEN ST Field Elective[1][2,3]	3
Electives[4]	3

Second Year

First Term	*Hours*
~~Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI][2]~~	4
Arts [ARTS]	3
Communication [COMM] or Written Communication [WRTG]	3
Foreign Language, if needed ~~and/~~or Electives[4,5]	3 or 4
Humanities [HUM]	3
WOMEN ST Field Elective[1][2,3]	3

Second Term	*Hours*
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
~~Diversity [DIVR]~~	~~3~~
Foreign Language, if needed ~~and/~~or Electives[4,5]	3 or 4
~~Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI][2]~~	4

9

WOMEN ST 406, WOMEN ST 322/ANTH 317, or WOMEN ST 340	3
Women's Studies Interdisciplinary Elective[2,6]	3
~~WOMEN ST Sub-core[3]~~	3
~~300-400-level WOMEN ST Electives[1]~~	3
Electives[4]	3
Complete Writing Portfolio	

Third Year

First Term	*Hours*
~~300-400-level WOMEN ST Elective[1]~~	3
~~Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]~~	3
~~WOMEN ST 300 [M]~~	3
WOMEN ST/SOC 385	3
WOMEN ST Field Elective[2,3]	3
Women's Studies Interdisciplinary Elective[2,6]	3
~~WOMEN ST Sub-core[3]~~	3
Electives[4]	~~3~~6

Second Term	*Hours*
~~300-400-level WOMEN ST Elective[1]~~	3
~~WOMEN ST [M] Course~~	3
WOMEN ST 481 [M]	3
Women's Studies Interdisciplinary Elective[2,6]	3
Electives[4]	9

Fourth Year

First Term	*Hours*
~~300-400-level~~ WOMEN ST Field Elective[~~1~~2,3]	3
~~300-400-level Electives~~	6
Electives[4]	~~6~~12

Second Term	*Hours*
WOMEN ST 403 [CAPS] or CES 489 [CAPS]	3
~~WOMEN ST 489 [CAPS]~~	3
300-400-level Electives[4]	~~9~~13
~~Electives~~	3

Footnotes

[1] ~~Of the six WOMEN ST elective courses, four electives must be WOMEN ST courses; one must be a CES course; cross-listed courses between CES and WOMEN ST may count as either. Any unused sub-core courses may fulfill electives. Four courses must be at the 300-400 level. WOMEN ST Electives are: AMER ST 475; CES 111, 131, 151, 171, 209, 220, 240, 244, 254, 255, 260, 271, 280, 301 [M], 308 [M], 313, 314 [M], 325,~~

	~~331, 332 [M], 335, 336, 338, 353 [M], 357, 358 [M], 373 [M], 379, 380, 405, 406, 407, 413, 426, 440, 444, 446, 465, 470, 491 [M]; CES/WOMEN ST 372; CES/WOMEN ST 411; CES/WOMEN ST 454; WOMEN ST 211, 220, 308 [M], 309, 310 [M], 317, 332, 336, 338, 340, 363, 403, 406, 460, 464, 481 [M], 484, and 485 [M]; WOMEN ST/CES 120; WOMEN ST 302/CES 305; WOMEN ST 369/CES 309.~~ [2][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] Women's Studies Field and Interdisciplinary Electives (21 credits): 12 credits of Field Electives and 9 credits of Interdisciplinary Electives required. 15 of the 21 credits must be at the 300-400 level and to meet University requirements electives must include one [M] course. Courses may not be used to fulfill more than one requirement.. [3] WOMEN ST Field Electives (12 credits): Approved courses include WOMEN ST 101, 120, 220, 301 , 321, 338, 340, 406, 410, 460, 477, 485 [M], 499; CRM J/WOMEN ST 403; ENGLISH/WOMEN ST 309, 317; WOMEN ST 332/ANTH 317; WOMEN ST/ENGLISH 211; WOMEN ST/ENGLISH/SOC 300 [M];WOMEN ST/HISTORY 336, 369; WOMEN ST/SOC 302. [3] ~~WOMEN ST Sub-core courses are (6 credits): WOMEN ST 332, 369, 406, 481 [M], and WOMEN ST 484 or 485 [M]. WOMEN ST Sub-core and Electives must include coursework to meet University requirement of 2 [M] courses.~~ [4] Electives: Students are encouraged to pursue an additional major, minor, or certificate. Electives should include sufficient 300-400-level coursework to meet the University requirements of 40 upper-division credits. [5] 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. [6] Women's Studies Interdisciplinary Electives (9 Credits): Approved courses include AMDT/WOMEN ST 422; AMER ST/DTC/ENGLISH 475; AMER ST/ENGLISH/HISTORY/WOMEN ST 216; ANTH/WOMEN ST 316; BIOLOGY 407; CES 435, 454; CES/ANTH 312; CES/WOMEN ST 411; COM/WOMEN ST 464; ENGLISH/WOMEN ST 306 [M]; ENGLISH 483/WOMEN ST 382; FINE ART/WOMEN ST 308 [M], 310 [M]; HISTORY/CES 235; HISTORY/WOMEN ST 398, 399; MUS/WOMEN ST 363; PHIL/WOMEN ST 425; POL S 305; PSYCH/WOMEN ST 230, 324; SOC/WOMEN ST 251, 351, 384, 390; WOMEN ST/PHIL 462 [M].	
Women's, Gender, and Sexuality Studies Revise requirements for minor in Women's Studies	**Women's Studies** ~~For the minor in~~ Completion of the minor in Women's Studies~~,~~ ~~students must complete~~ requires a minimum of 16 credits ~~hours,~~ with a 2.0 GPA. At least 9 credits ~~of which~~ must be ~~in~~ from upper-division courses ~~work~~ and taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. **Required core courses (9 credits ~~hours~~):** WOMEN ST 101 or 120; WOMEN ST 300, 332, 369, or 385; and WOMEN ST 481 ~~or 485~~. **Electives:** ~~(A~~ minimum of 7 credits ~~hours):~~of ~~A~~ any WOMEN ST courses, except those used as ~~not listed in the requirements~~ required courses.	**8-19**
Women's, Gender, and Sexuality Studies Revise requirements for minor in Queer Studies	**Queer Studies**	**8-19**

	Completion of the minor in Queer Studies requires a ~~A~~ minimum of 16 ~~hours~~ credits with a 2.0 GPA. ~~Including a core of WOMEN ST 201, 369, 484, and 485. In addition, four elective hours selected fromWOMEN ST 211, 300, 317, 410, 481, 499.~~ At least 9 ~~hours~~ credits must be ~~from~~ upper-division ~~work~~ courses and taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. **Required core courses (9 credits)**: WOMEN ST 101 or 120, 369 or 385, ~~, 484,~~ and 485. **Electives:** A minimum of 7 credits from any WOMEN ST courses, except those used as required courses.	