UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 11 Spring 2019

--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. 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	Bachelor of Science, Electrical Engineering only)(121 Hours) Third Year	ng (Vancouver	8-19
Engineering (Vancouver	First Term	Hours	
only)	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, 316 421, 424, 425, 461, 462, 466, 471, 476, 477, 483, 496, MECH 4 approved by a faculty advisor.		

Engineering and Computer Science WSU- Vancouver {S}Revise graduation	Bachelor of Science, Mechanical Engineering (Va Only) (121 Hours)	incouver	8-19
requirements for Bachelor of Science, Mechanical	Third Year		
Engineering (Vancouver	First Term	Hours	
Only)	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/ <u>Technical Elective</u> 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	<u>36</u>	
	400 level MECH Technical Elective ¹	3	
	Footnotes		
	1 Technical Electives or 400-level MECH Option Courses: The program empl fundamentals and provides flexibility in selecting a course of study through electives. Students can either take any five elective courses (15 credits), program et the prerequisites, or they can choose to take a set of related electives of option area and additional electives of their choice. Students are required to their faculty advisor to develop their schedule of studies as they are admitted program at the junior level. The following are the technical elective courses areas: (Option 1) Micro and Nanotechnology: MECH 431, 435, 438, 450; (Option 1) Micro and Nanotechnology: MECH 431, 435, 438, 450; (Option 4) Renewable Energy: MECH 441, ECE 421, choice courses from MECH 405, 431, 439, 442, 450, 468, 431, and 450.	five technical vided they omprising an work with d to the and option Option 2) onics: MECH	

History Add new minor: War and	War and Society		8-19
Society Society	The minor in War and Society addresses political, social, econ	nomic	
	and cultural impacts of war. The minor requires 18 credits, 9 c		
	must be taken in residence at WSU or through WSU-approved		
	education abroad or educational exchange courses. A grade o	f C or	
	better is required in all course work for the minor. Approved of	courses	
	include: HISTORY 386, 387, 388, 390, 416, 418, 449, 455, 46	64, 466,	
	468.		
Integrated Plant Sciences	Landscape, Nursery, and Greenhouse Management	(120	8-19
Revise graduation requirements for Bachelor of Science in Integrated	Hours)		
Plant Sciences - Landscape Nursery, and Greenhouse	First Year		
Management	First Term	Hours	
	BIOLOGY 107 [BSCI] or 120 [BSCI]	4	
	CHEM 101 [PSCI] or 105 [PSCI]	4	
	[COMM] Course (COM 102 [COMM] or H D 205 [COMM] recommended)	3 or 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	

S	econd Term	Hours
<u>(</u>	CHEM 102 or 106	<u>4</u>
Ŧ	IORT 232	3
Ŧ	IORT 251	4
<u> </u>	<u>IORT 357</u>	<u>3</u>
<u> </u>	<u>IORT 358</u>	<u>1</u>
I	Iorticulture Elective ¹	<u>3</u>
	ocial Sciences [SSCI]	3
H	Electives	<u>43</u>
(Complete Writing Portfolio	
	Chird Year	
1	First Term	Hours
<u> 4</u>	Arts [ARTS]	<u>3</u>
I	BIOLOGY 106, 107, or 120	4
I	Diversity [DIVR]	3
I	ENTOM 343 [M]	3
H	Iorticulture Electives ¹	3
F	Electives	3 <u>2</u>
S	econd Term	Hours
1	Advanced Plant Science Elective ²	3 or 4
F	ENTOM 351	3
H	HORT 331	3
<u> </u>	<u>HORT 351</u>	<u>4</u>
I	Iorticulture Electives¹	3
<u> </u>	ocial Sciences [SSCI]	<u>3</u>
3	00-400 level Elective	3
1	hird Term	Hours
	Summer Session) HORT 399	1
I	ourth Year	
1	First Term	Hours
l A	Advanced Plant Science Elective ²	3 or 4
<u> </u>	<u> Iorticulture Elective¹</u>	<u>3</u>
F	PL P 300 or 429	2 or 3
F	Electives	9 6
5	econd Term	Hours
<u> </u>	Advanced Plant Science Elective ²	<u>3</u>
4	00-500-level Seminar in CAHNRS ³	1
1	IORT 357	3

	110Pm 44 c43	2	
	HORT 416 ⁴³	3	
	HORT 425 [M] [CAPS]	3	
	Horticulture Elective ¹	1	
	SOIL SCI 302 [M] or 441	3	
	Elective	3	
	Footnotes		
	Approved-Horticulture Electives (79 credits minimum): Approved courses include SCI 301, 305, 401 [M], 443; HORT 310, 313, 320, 332, 350358; SOIL SCI 101 capproved by advisor.		
	² Advanced Plant Science Electives (<u>6 credits</u>): BIOLOGY 301, 332 [M], 372 [M] 462; CROP SCI/HORT 445 [M]; HORT 418 [M], 445 [M], 480; NATRS SOE 30 [M], 454 [M], 464 [M]; or as approved by advisor.	, 409, 00, 450	
	³ Seminar in CAHNRS (1 credit): AGTM 451, CROP SCI/SOIL SCI 412, HORT/ENOL 409, or as approved by advisor.	VIT	
	4 CROP SCI 411 [M] can be taken in the fall as an alternative to HORT 416.		
English New subplan(option) for	Integrative English Studies (120 Hours)		8-19
Bachelor of Arts in English	Requirements for this degree include 24 credits of core classes		
- Integrative English Studies	credits of an Internship or other High-Impact Practice (ENGLI		
Studies	498 and/or 499), and 18 credits of English and Humanities electronic include a maximum of 3 credits of 100-200 level coursewor		
	minimum of 9 credits of 400-level coursework.	k and a	
	Thinming of y creats 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	
	Creative & Professional 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	
	Communication [COMM] or Written Communication [WRTG] ²	3	
	Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] ²	3	

EN Ele Sec EN 300 EN EN Ele Coi	Versity [DIVR] ² GLISH or HUMANITY Elective ³ ctives **rond Term GLISH 256, 301, 307 [M], 308 [M], 360, or WOMEN ST D [M] GLISH 251, 339, 342, 361, or 357	3 3 3 <i>Hours</i>
Ele Sec EN 300 EN EN Ele Cor	ctives cond Term GLISH 256, 301, 307 [M], 308 [M], 360, or WOMEN ST D [M]	3 Hours
Sec EN 300 EN EN Ele Con	<i>cond Term</i> GLISH 256, 301, 307 [M], 308 [M], 360, or WOMEN ST	Hours
EN 300 EN EN Ele Con	GLISH 256, 301, 307 [M], 308 [M], 360, or WOMEN ST [M]	
300 EN EN Ele Cor) [M]	3
EN EN Ele Cor		-
Ele Coi		3
Coı	GLISH 302 [M]	3
	ctives	6
	mplete Writing Portfolio	
Th	ird Year	
Fir	st Term	Hours
EN	GLISH 305, 306, 366, 368, 370, 371, 372, 401, or 454	3
EN	GLISH 373 or 489	3
EN	GLISH Elective ³	3
For	eign Language, if needed, or Electives ⁴	4
Ele	ctives	3
Sec	ond Term	Hours
EN	GLISH 309, 317, or 363	3
EN	GLISH 322 or 362	3
For	eign Language, if needed, or Electives ⁴	3 or 4
Ele	ctives	6
Fou	urth Year	
Fir	st Term	Hours
EN	GLISH 472	3
300	0-400-level ENGLISH Elective ³	3
400)-level ENGLISH Electives ³	6
Ele	ctives	3
Coı	mplete English Portfolio	
Sec	ond Term	Hours
	GLISH 410 [CAPS], 415 [CAPS], 494 [CAPS], or egrative Capstone ²	3
	GLISH 498 (Internship) or 499 (Independent Study) ⁵	3
)-level ENGLISH Elective ³	3
Ele	ctives ⁶	3

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 Elective coursework may need to include 300-400-level courses to meet 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, NEUROSCI 301, NEUROSCI 302, 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
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

8-19

	1
BIOLOGY 107 [BSCI]	4
CHEM 106	4
Creative & Professional Arts [ARTS]	3
HISTORY 105 [ROOT]	3
NEUROSCI 201 [COMM]	3
Second Year	
First Term	Hours
BIOLOGY 106	4
CHEM 345	4
Communication [COMM] or Written Communication [WRTG]	3
NEUROSCI 301 ¹	<u>3</u>
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 ⁴²	3 or 4
MBIOS 303	4
Statistics Course ²³	3 or 4
Neuroscience Electives ³⁴	5
Second Term	Hours
Arts [ARTS]	3
Humanities [HUM]	3
NEUROSCI 404	4
Electives ⁴⁵	9 7
Fourth Year	
First Term	Hours
NEUROSCI 430 [M]	4
Electives ⁴⁵	12
Second Term	Hours
NEUROSCI 403 [M]	3
NEUROSCI 490 [CAPS]	3

	Electives ⁴⁵	9	
	Footnotes		
	PSYCH 372 may be taken in place of NEUROSCI 301 with department permiss	ion.	
	⁴² Choose one course from: NEUROSCI 305, 333, or 409.		
	²³ Choose one course from: PSYCH 311, STAT 212, 360, 370, or 412.		
	 Neuroscience Electives (5 credits): Approved courses include BIOLOGY 301, 3 340, 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, 36 384, 464, 470, 490, 491; VET PH 308. Courses may not be used to fulfill more t requirement. Other courses may be allowed by department consent. Please see ye advisor. Elective choices should include 300-400 level coursework to meet the University 	1, 372, han one our	
	minimum requirement of 40 upper division credits. Consult your advisor regardi elective courses that may be required or recommended for admission to a DVM	ing	
Women's, Gender, and Sexuality Studies	Women's Studies (120 Hours)		8-19
Revise graduation	The major in Women's Studies requires a minimum of 36 cred	lits, of	
requirements for Bachelor	which 15 credits are required in the major, 12 credits are required.		
of Arts in Women's Studies	Field Electives, and 9 credits are required in Interdisciplinary		
	Electives. 15 credits of electives must be at the 300-400 level.		
	First Year		
	First Term	Hours	
	Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ¹	<u>4</u>	
	CES 201	3	
	ENGLISH 101 [WRTG]	3	
	Social Sciences [SSCI]	3	
	WOMEN ST 101 [DIVR] or WOMEN ST 120 [DIVR]		
		$\frac{3}{4}$	
	Electives Second Term	4 Hours	
	Creative & Professional Arts [ARTS]		
	HISTORY 105 [ROOT]	$\frac{3}{3}$	
		3	
	Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ¹	$\frac{4}{4}$	
	Quantitative Reasoning [QUAN]	3 or 4	
	WOMEN ST 201	3	
	WOMEN ST <u>Field</u> Elective ^{‡2}	3	
	Electives ³	3	
	Second Year		
	First Term	Hours	
	Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ²	4	
	Arts [ARTS]	<u>3</u>	
	Communication [COMM] or Written Communication [WRTG]	3	

Foreign Language, if needed and/or Electives 3.4	3 or 4
Humanities [HUM]	3
WOMEN ST <u>Field</u> Elective ¹²	3
Second Term	Hours
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Diversity (DIVR)	3
Foreign Language, if needed and/or Electives 3.4	3 or 4
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ²	4
WOMEN ST 406, WOMEN ST 322/ANTH 317, or	
WOMEN ST 340	3
Women's Studies Interdisciplinary Elective ²	<u>3</u>
WOMEN ST Sub-core ³	3
300-400-level WOMEN ST Electives ¹	3
Electives ³	3
Complete Writing Portfolio	<u> </u>
Third Year	
First Term	Hours
300-400-level WOMEN ST Elective ¹	3
Creative & Professional Arts [ARTS], Humanities [HUM], or	3
Social Sciences [SSCI]	3
WOMEN ST 300 [M]	3
WOMEN ST/SOC 385	<u>3</u>
WOMEN ST Field Elective ²	3
Women's Studies Interdisciplinary Elective ²	<u>3</u>
WOMEN ST Sub-core ³	3
Electives ³	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	<u>3</u>
Electives ³	9
Fourth Year	
First Term	Hours
300-400-level WOMEN ST Field Elective 12	3
300-400-level Electives	6
Electives ³	<u>612</u>
G 170	Hours
Second Term	

WOMEN ST 489 [CAPS]	3
300-400-level Electives ³	9 13
Electives	3

Footnotes

- 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.
- ²¹ 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 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. **Approved Field Electives 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. Approved Interdisciplinary Electives 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; 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]. Courses may not be used to fulfill more than one requirement.
- 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. 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.
- 4 Two years of high school foreign language or one year of college foreign language required.

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.	
Women's, Gender, and Sexuality Studies Revise requirements for minor in Queer Studies	Queer Studies 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.	8-19