UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 4
Fall 2017

--REQUIREMENTS—

Faculty Senate Approved 11/2/2017

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
Asia Program Correction of Asian language course requirements for minor in Asian Studies.	**Asian Studies** A minor in Asian Studies requires 20 credits, including a minimum of one semester of college-level study of a single Asian language or 4 credits from a study abroad program taken in an Asian country. Approved language courses include ARABIC, CHINESE, ~~or~~ JAPANESE, or KOREAN 101, 102, 203, or 204 ~~or Korean or Arabic as approved by department~~. Of the 20 required credits of Asian language courses, or ASIA courses, at least 9 credits must be 300-400-level coursework taken in residence at WSU or through WSU-approved educational exchange courses. Native speakers of an Asian language are exempt from the language requirement for the minor (they instead take 4 additional credits of ASIA courses).	**8-18**
Biological Sciences Revise graduation requirements to add BIOLOGY [CAPS] courses in Bachelor of Science in Zoology – Accelerated Pre-Vet Option.	**Zoology – Accelerated Pre-Vet Option (125 Hours)** Students must complete a minimum of 90 undergraduate credits – including 30 credits of 300-400 level coursework - and be accepted into the Veterinary Medicine program to complete this degree. **Third Year** ***First Term*** ***Hours*** BIOLOGY 321 [M] or BIOLOGY 322 [M] 4 BIOLOGY [CAPS] or HONORS 450[2] 3 Foreign Language, if needed, and/or Electives[2,3,4] 6 PHYSICS 102 or 202 4 ~~Integrative Capstone [CAPS]~~ ~~3~~ ***Second Term*** ***Hours*** BIOLOGY 372 [M] 4 BIOLOGY 403 or 405 3 Diversity [DIVR] 3 Foreign Language, if needed, or Electives[~~2,3,~~4] 4	**8-18**

	Social Sciences [SSCI] 3 **Fourth Year** ***First Term*** ***Hours*** VET MED 510 4 VET MED 511[4]5 5 VET MED 513 4 VET MED 568 2 VET MED 586 1 Note: VET MED credits fulfill Zoology Program option electives requirement ***Second Term*** ***Hours*** VET MED 512 4 VET MED 520[5]6 5 VET MED 521 3 VET MED 534 3 VET MED 545 3 VET MED 580 1 Complete School of Biological Sciences Exit Survey **Footnotes** [1] MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed. [2] Students in Honors College complete HONORS 450 in lieu of BIOLOGY [CAPS] courses. [2]3 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. [3]4 Students are required to complete a minimum of 90 undergraduate credits – including 30 credits of 300-400 level coursework prior to starting coursework as a DVM student. [4]5 Counts as Anatomy option requirement toward the Zoology degree. [5]6 Counts as Physiology option requirement toward the Zoology degree.	
Biological Sciences Revise requirements for Certificate in Quantitative Biology	**Certificate in Quantitative Biology** The certificate in ~~q~~Quantitative ~~b~~Biology requires ~~28~~ 17 credits. ~~hours including MATH/BIOLOGY 340 and MATH/BIOLOGY 494. In addition to the two required courses, students must take at least 12 hours of courses in mathematics, statistics, or computer science of which at least 8 hours must be at the 300-level or above and at least 12 hours of life sciences courses of which at least 8 hours must be at the 300-level or above. A list of recommended courses is provided in the departments. The requirement for 300-level or above may include independent research credits. However, no more than 4 hours of~~ Students must earn a grade of C or higher in each course and no S, F	**8-18**

	graded coursework may be applied to the certificate. ~~(including MATH/BIOLOGY 494 and 499) may count towards the 28 credits. No more than 7 out of the 28 credits may be transfer credits. Students must earn a cumulative GPA of 2.5 and no less than a C for graded courses used to fulfill the requirements of the certificate. A faculty coordinator shall be designated to oversee the certificate approval process.~~ Requirements: • MATH/BIOLOGY 340 • 6 credits of mathematics (MATH 172 or higher) and/or statistics (300-400-level), of which 3 credits must be taken in residence at Washington State University • 8 credits of 300-400-level biology courses of which 3 credits must be taken in residence at Washington State University.	
Chemical Engineering and Bioengineering Revise certification requirements and expand graduation requirements for Bachelor of Science in Bioengineering – General Option	**Bioengineering, General Option (120 Hours)** Students who plan to pursue pre-med studies should consult their advisor for further information about appropriate courses. Criteria for Certification – Bioengineering Program 1) In March of each year, the faculty of the School of Chemical Engineering and Bioengineering will establish the total number of students (~~June and~~ January, June, and August) to be certified into the Bioengineering program. 2) Each student will be considered for certification during the semester after she/he has completed all of the following courses: MATH 171, MATH 172, CHEM 105, CHEM 106, BIOLOGY 107, PHYSICS 201, CHE 201. 3) To be certified, each student must meet the following minimum ~~standards~~ requirements: a) 2.0 cumulative GPA. b) A "C" grade or better in each of the courses listed in 2) above. ~~c) Complete at least one term of coursework at WSU as a full-time student.~~ c) ~~d. Students must b~~Be in good academic standing (semester GPA 2.00 or higher) at the time they are being considered for certification. 4) Certification decisions will be made at the end of Fall, ~~and~~ Spring, and Summer terms ~~semesters,~~. ~~and t~~Those being certified at the end of ~~Spring~~ Fall term ~~semester~~ will be notified by January 15 ~~June 1~~, ~~while~~ those being certified at the end of ~~Fall~~ Spring term ~~semester~~ will be notified by June 1 ~~January 15~~, and those being	**8-18**

certified at the end of the Summer term will be notified by August 15.

5) If the number of students seeking certification exceeds the program capacity, as determined in 1) above, additional criteria will be used to select those who are certified. Those criteria include:
   a) average GPA received in the courses listed in 2) above;
   b) average GPA earned in all the engineering/math/science courses which have already been completed; and
   c) the GPA earned during the previous semester.

6) Students who have completed all the courses listed in 2) above, but who are not certified will be notified of the decision according to the timetable described in 4) above. Such students who are not certified may appeal the decision. ~~This~~ The appeal should describe any special circumstances which should be considered. A faculty committee will consider the appeal, the special circumstances described, and trends in the grades (e.g. trends in grades and/or withdrawals, typical course load attempted and typical course load completed) and make a final decision regarding certification. The appeal must be submitted within 2 weeks of the notification described in 4) above. The appeal will be considered and a decision made by February 15, July 1, and September 15, depending on the term ~~February 15~~.

7) Students who are deficient under the University's Educational Policies and Procedures are subject to decertification. When a student is in good academic standing, they will be reconsidered for certification as stated in 2) above. ~~Recertification will be granted only under rare, extenuating conditions.~~

8) Certification Guarantee: Students who have completed the certification courses noted above with an average GPA of at least 3.2, who have an overall GPA of at least 3.2 in the completed courses required in the major, and who have not repeated any required courses, are guaranteed certification.

Third Year

Second Term	***Hours***
BIO ENG 330	3
BIO ENG 340	4
Bioengineering ~~e~~Elective[2]	3
Diversity [DIVR]	3
ECONS 101 [SSCI] or 102 [SSCI]	3

Fourth Year

First Term	***Hours***
BIO ENG 410 [M]	3
BIO ENG 440	4

	Communication [COMM] or Written Communication [WRTG] 3 Technical ~~e~~Electives[3] 6 ***Second Term*** ***Hours*** BIO ENG 411 [CAPS] 3 Bioengineering ~~e~~Electives[2] 3 Technical ~~e~~Electives[3] 6 Elective 1 Complete BIO ENG Exit Interview **Footnotes** [1] 3 credit 300-400-level engineering course may be substituted for ENGR 120 by approval of advisor. [2] Bioengineering Electives (6 credits): ~~of electives m~~Must have a BIO ENG subject, selected from the following: BIO ENG 425, 435, 455, 476, or 481. [3] Technical Electives (12 credits): ~~of electives m~~May be either BIO ENG courses (not used to fulfill Bioengineering elective requirements) from Footnote 2, or other relevant engineering or science courses from the following: BIO ENG 488, 495, 499; BIOLOGY 106, 251, 301, 315, 340, 352, 353, 494; CE 315, 463; CHE 301, 334, 475, 476; CHEM 345, 348, 370; CPT S 121; E E 262; MBIOS 301, 303, 304, 305, 306, 401, 413, 414, 426, 465, 478; ME 116, 212, 216, 301, 303, 310, 311, 401, 472, 473; MSE 201, 302, 401, 402, 403, 406, 413; NEUROSCI 301, 302, 305, 403 [M], 404, 425, 426, 430 [M]; PHIL 365; PHYSICS 466.	
Communication and Society Add new minor: Environmental, Risk, and Science Communication.	**Environmental, Risk, and Science Communication** The minor in Environmental, Risk, and Science Communication requires a minimum of 18 credits. Required courses include COM 101 or 105; COM 210; COM 395 or 400; COM 486 or COMSOC 477; COMSOC 301 or 326; and COMSOC 325. Nine credits of upper-division work must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. Student may apply to certify in the minor after they have certified in a major and have earned a minimum of 60 credits with a cumulative GPA of 2.7 or higher. Students must maintain a GPA of 2.0 or higher to remain in the minor. Additional information available from Murrow College Student Services Office.	**8-18**

Communication and Society Add new minor: Communication and Culture	**Communication and Culture** The minor in Communication and Culture requires 18 credits. Required courses include COM 101, COM 105, COMSOC 321, and 9 elective credits chosen from: COM 460, 464, 471, 479, 484, COMSOC 230, or COMSOC 421. Students may include 3 credits of an approved communication course taken as part of a study abroad program within the 9 elective credits. Nine credits of upper-division work must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. Student may apply to certify in the minor after they have certified in a major and have earned a minimum of 60 credits with a cumulative GPA of 2.7 or higher. Students must maintain a GPA of 2.0 or higher to remain in the minor. Check with the Murrow College Student Services Office for additional information.	**8-18**
Journalism and Media Production Revise graduation requirements for minor in Sports Communication	**Sports Communication** The minor in Sports Communication requires a minimum of 18 credits. Four of the six courses required for the minor must be from the College of Communication. Required courses include COM 105 and COM 225. Additional requirements include one survey course from COM 101, SPMGT 101, 276; one promotional course from COMSTRAT 312, 380, SPMGT 379, 464; one conceptual course from COM 320, 440, 471, SPMGT 365, 367; and one portfolio course from COM 475 (departmental approval required), 486, COMJOUR 486. Nine credits of upper-division work must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. Student may apply to certify in the minor after they have certified in a major ~~outside the Murrow College of Communication~~ and have earned a minimum of 60 credits with a cumulative GPA of 2.7 or higher. Students must maintain a GPA of 2.0 or higher to remain in the minor. Check with the Murrow College Student Services Office for additional information.	**8-18**
Neuroscience Add new option: Bachelor of Science in Neuroscience –	**Neuroscience – Honors Accelerated Pre-Veterinary Option (120 Hours)**	**8-18**

Accelerated Pre-Veterinary Option.	This option has been established for admission of highly academically qualified students to the Doctor of Veterinary Medicine (D.V.M.) program at the Washington State University College of Veterinary Medicine (CVM). The program of study consists of three years of undergraduate coursework that fulfills the pre-veterinary neuroscience requirements followed by the four-year D.V.M. program. Satisfactory completion of this 7-year curriculum leads to the Bachelor of Science (B.S.) in Neuroscience and Doctor of Veterinary Medicine (D.V.M.). All students who qualify for admission to the WSU Honors College are eligible to apply for pre-admission to the College of Veterinary Medicine after completion of one year in the pre-veterinary neuroscience curriculum. Interested applicants should identify themselves to the Honors College as soon as they decide to enroll at the University because the number of available seats in the B.S./D.V.M. program is limited. Early admission to the D.V.M. program requires approval of the CVM Admissions Committee. Accepted students are pre-admitted directly to the D.V.M. program. To maintain pre-admission into the D.V.M. program, accepted students must achieve an overall grade point average of 3.50 or better in all undergraduate coursework. Students may certify in neuroscience – accelerated pre-veterinary option after completing a minimum of 24 semester hours with a 3.0 minimum GPA overall, and a 3.0 minimum GPA in each of the following courses: BIOLOGY 106; BIOLOGY 107; CHEM 105; CHEM 106 or 116; MATH 140 or 171; PHYSICS 101, 201 or 205; and PHYSICS 102, 202, 206, or CHEM 345. **First Year** ***First Term*** ***Hours*** BIOLOGY 107 4 CHEM 105 4 MATH 140 or 171 4	

	NEUROSCI 138	1	
	Foreign Language (if needed)[1]	0-4	
	Second Term	***Hours***	
	CHEM 106 or 116[2]	4	
	ENGLISH 298	3	
	HONORS 270[2]	3	
	PHYSICS 101	4	
	Foreign Language (if needed)[1]	0-4	
	Second Year		
	First Term	***Hours***	
	BIOLOGY 106	4	
	HONORS 280	3	
	NEUROSCI 301	3	
	PSYCH 105[3]	3	
	Elective(s)	2	
	Second Term	***Hours***	
	CHEM 345	4	
	HONORS 290[2]	3	
	PHYSICS 102	4	
	Behavior Requirement[4]	3 or 4	
	Complete Writing Portfolio		
	Third Year		
	First Term	***Hours***	
	BIOLOGY/MBIOS 301	4	
	HONORS 370	3	
	HONORS 398[5]	0 or 1	
	MBIOS 303	4	
	NEUROSCI 430 [M]	4	
	NEUROSCI 450	2	
	Second Term	***Hours***	
	HONORS 380	3	
	HONORS 390	3	
	HONORS 450	1	
	NEUROSCI 403 [M]	3	
	NEUROSCI 490 [CAPS]	3	
	Statistics Course[6]	4	
	Fourth Year		
	First Term	***Hours***	
	VET MED 511	5	
	Additional D.V.M. Coursework[7]	10	

	Second Term ***Hours*** VET MED 520 5 VET MED 521[8] 3 Additional D.V.M. Coursework[7] 7 **Footnotes** [1] Students must meet the Honors College Foreign Language requirement. [2] Students who complete CHEM 116 fulfill the Honors College HONORS 290 requirement and another 3-credit course can be substituted. [3] If HONORS 270 is taught by a member of the Psychology faculty, students may waive PSYCH 105. If PSYCH 105 is waived, students may need to take additional coursework to meet the 90-credit undergraduate minimum. [4] Behavior Requirement: Choose one course from NEUROSCI 305, 333, or 409. [5] HONORS 398 is an optional thesis-preparation course. [6] Statistics Course: Choose one course from PSYCH 311, STAT 212, 360, 370, or 412. [7] Additional D.V.M. courses required in the first year of the D.V.M. program to satisfy the Neuroscience elective requirement for the B.S. in Neuroscience. Students must complete a minimum of 30 credits in 500-level (professional or graduate) courses, while pursuing the subsequent D.V.M. degree in order to complete the requirements for the accelerated bachelor's degree. [8] VET MED 521 satisfies the Neuroanatomy (NEUROSCI 404) requirement for the B.S. in Neuroscience.	
Psychology Revise Focus Area Electives course list in Footnote 1 for Bachelor of Science in Psychology	**Psychology – Bachelor of Science (120 Hours)** **Footnotes** [1] Focus Area Electives (21 credits): ~~21 credits required.~~ Students must complete at least 2 courses from each of the following areas: 1) Neuroscience/Cognition: PSYCH 265, 372, 384, 473, 490, 491, 492; 2) Social/Motivational PSYCH 230, 306, 307, 308, 309, 321, 328, 350, 403, 466, 470; and 3) Clinical/Counseling: PSYCH 110, 320, 324, 333, 342, 361, 363, 440, 442, 444, 464, 468. Additional approved courses include ~~PSYCH 301, 401, 412, 445, 480, 495, 496, 497, and 498~~ any PSYCH course not used to fulfill other PSYCH requirements. Note that many courses require prerequisites and not all courses are offered both Fall and Spring semester. Contact advisor for additional information.	**8-18**
Sociology Add new minor: At-Risk Youth	**Minor in At-Risk Youth** The minor in At-Risk Youth may be certified after completion of 60 credits. The minor requires a minimum of 18 credits in sociology, including SOC 352, 360, 362, and 368, and at least 6 additional credits of electives (SOC 346, 351, 361, or CRMJ/SOC 367). At least 9 credits must be upper-division taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. A GPA of 2.0 is required for the minor.	**8-18**
Strategic Communication Revise certification and graduation requirements for Bachelor of Arts in	**Integrated Strategic Communication (120 Hours)** Certification Requirements To certify any major in the College of Communication, a student must	**8-18**

Strategic Communication – Integrated Strategic Communication	meet the following minimum requirements: (1) Complete COM 101, 102, 105, and 138; (2) Sophomore standing (transfer students should have at least 15 graded credits from courses in residence at WSU); (3) Complete the Murrow College Grammar and Writing exam administered by the College of Communication. Certification in the Murrow College is based on the following: the number of available seats, the applicant's cumulative WSU GPA, the number of credits completed at the time of application, and the applicant's performance on the Murrow College Grammar and Writing Exam. The top students are certified based on the number of seats available that semester. Transfer course grades will NOT be used to calculate the cumulative WSU GPA. Students transferring into the College with 55 or more hours should complete the certification requirements within two semesters. All students should certify before earning 90 credit hours. All Strategic Communication majors require a minimum of 49 semester hours in Communication. **First Year** ***First Term*** ***Hours*** Biological Sciences [BSCI] or SCIENCE 101 [SCI][1] 3 or 4 COM 101 3 COM 138 1 Diversity [DIVR] 3 ENGLISH 101 [WRTG] 3 Quantitative Reasoning [QUAN] 3 ***Second Term*** ***Hours*** COM 102 [COMM] ~~or Communication [COMM]~~ 3 COM 105 [HUM] 3 HISTORY 105 [ROOT] 3 Physical Sciences [PSCI] or SCIENCE 102 [SCI][1] 4 or 3 Electives 3 Apply for and Certify in Major **Second Year** ***First Term*** ***Hours*** COM 210 3 COM 300 [M] 3 Creative & Professional Arts [ARTS] 3 Social Sciences [SSCI] 3 Electives 3 ***Second Term*** ***Hours*** COM 309 3 COMJOUR 333 3	

~~COMSTRAT 310~~	~~3~~
COMSTRAT 312	3
~~Major Specialization Courses~~[2]	~~6~~
~~MKTG 360~~	~~3~~
Electives	~~3~~6
Complete Writing Portfolio	

Third Year

First Term	***Hours***
~~300-400-level Electives~~	~~3~~
~~300-400-level Major Electives~~ [3]	~~3~~
~~COM 309~~	~~3~~
COMSOC 301	3
COMSTRAT 310	3
COMSTRAT 380	3
MKTG 360	3
~~Major Specialization Courses~~[2]	~~6~~
Electives	3
Second Term	***Hours***
300-400-level Major Electives ~~3~~2	3
COMSTRAT 383 [M]	3
~~Major Specialization Courses~~[2]	~~3~~
Electives	9

Fourth Year

First Term	***Hours***
~~300-400-level Major Electives~~ [3]	~~3~~
COMSTRAT 485	3
Integrative Capstone [CAPS]	3
~~Major Specialization Courses and /or Electives~~[2]	~~6~~
Electives	~~3~~9
Second Term	***Hours***
~~300-400-level Major Electives~~ [3]	~~3~~
COM 495 or COMSTRAT 495	3
COMSTRAT 476	3
~~Major Specialization Courses~~ [2]	~~8~~
Electives	~~2~~7

Footnotes

[1] For a total of 7 credits—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course, or 8 credits of [SCI] designated courses. (SCIENCE 101 [SCI] is

	offered Fall semester and is a prerequisite for SCIENCE 102 [SCI], which is offered Spring semester.) ~~2~~ ~~Specialization Courses: COMJOUR 333 [M], COMSOC 301, COMSTRAT 312, 380, 383 [M], 476, 485 [M], and 495.~~ ~~3~~2 Select ~~12~~3 credits of 300-400-level COM, COMJOUR, COMSOC, COMSTRAT major electives not used to meet other requirements, COMSTRAT 495 internship credits, or COMSTRAT 499 Special Projects credits (max. 6 credits of 495/499) in consultation with advisor.	