UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 3 Fall 2014

---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.

Dept	Proposed	Effective Date
Foreign Languages and Cultures	Japanese Requirements (120 Hours)	8-15
New major: Japanese Requirements	A minimum of 34 hours beyond the 203 level (or the equivalent level in competence) in the major language is required for a Bachelor of Arts degree in Foreign Languages and Cultures. 101, 102, and 203 do not count toward the major. Students who place into 102 and receive a B or better qualify for an additional 4 departmental advanced placement credits; students placing into 203 or above and receiving a B or better qualify for 8 departmental advanced placement credits. A maximum of 8 departmental AP credits is possible. See department for details.	
	Majors must complete either a minor in a second foreign language, a concentration of at least 16 credits in a related field, or a second major.	
	No course in which a C- or lower grade is earned will be counted toward the major or minor. 300-400-level courses taken pass, fail may not be included for credit toward the major. No course may be repeated for credit toward the major unless thus designated in the catalog. No course may count for both the major and the minor.	
	Majors and prospective majors are strongly encouraged to spend at least one semester abroad, living in the target culture and enhancing their fluency. Many accredited study abroad programs are available; students should work with their advisers in the selection of a program.	
	Of the 34 hours required for the major, a minimum of 15 must be taken in residence with 6 of these hours at the 400-level. A maximum of 12 credits per semester or 18 credits per year earned in a study abroad program may be applied toward the major. Credits for 105, 205, 305, 405 may not be applied toward the major or minor.	
	Honors students complete the Honors College requirements which replace the UCORE requirements.	
	All majors must complete an exit proficiency examination during the semester in which they complete the last language course of their major. There is a fee charged for the exam.	
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First Year	
First Term	Hours
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4
ENGLISH 101 [WRTG]	3
FOR LANG 101, 110, 120, or 130	3
JAPANESE 101 (if necessary) or higher (102, 203, or 204)	4
JAPANESE 105 or Elective	1
Second Term	Hours
HISTORY 105 [ROOT]	3
JAPANESE 102 (if necessary) or higher (203 or 204)	4
JAPANESE 111, 120, 123, 131, or 220	3
Quantitative Reasoning [QUAN]	3
Electives ¹	3
Second Year	
First Term	Hours
JAPANESE 203 (if necessary), or higher (204 or 300-level)	4
JAPANESE 205 or Elective	1
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
Social Sciences [SSCI]	3
Electives ¹	3
Second Term	Hours
Creative & Professional Arts [ARTS]	3
Communication [COMM] or Written Communication [WRTG]	3
JAPANESE 204 or higher (300-level)	4
JAPANESE 205 or Elective	1
Humanities [HUM]	3
Complete Writing Portfolio	
Third Year	
First Term	Hours
Area Studies courses ²	3
ASIA 330 [M]	3
JAPANESE 306, 307, 308, or 361	3
JAPANESE 322 [DIVR]	3
Electives ¹	3
Second Term	Hours
Creative & Professional Arts [ARTS], Humanities [HUM],	2
or Social Sciences [SSCI]	3
FOR LANG 440 if teaching major or Electives	4

	LADANIEGE 205 - El - Aires	
	JAPANESE 305 or Elective 1	
	JAPANESE 306, 307, 308, or 361	
	JAPANESE 320 [M] 3	
	Fourth Year	
	First Term Hours	
	JAPANESE 306, 307, 308, or 361	
	JAPANESE 305 or Elective 1	
	CHINESE 311 or Elective 3	
	FOR LANG 441 if teaching major or 300-400-level Electives ³	
	300-400-level Electives ³	
	Second Term Hours	
	Area Studies courses ² 3	
	FOR LANG 410 [CAPS] 3	
	JAPANESE 306, 307, 308, or 361	
	300-400-level Electives ³	
	Language Proficiency Exam	
	Footnotes	
	Electives must be represented by an approved university minor in a second foreign language; 16 credits in a concentrated related field; or a second major in another field.	
	² Area Studies courses: Students must take 6 credits in Japanese-related courses from CES 311, 313, 314, 315, 411, and 413; ASIA 275, 374, 387, 477, and 479; FINE ART 302; PHIL 314 and 315; or as approved by advisor.	
	³ 6 credits of 400-level major coursework required. Approved courses are Japanese prefix courses and Area Studies courses, or as approved by advisor.	
Foreign Languages	Second Major – Japanese for the Professions	8-15
and Cultures		
New Major to be offered only as a	Students who are certified in a major may seek an additional major in Japanese for the Professions. This additional major does not lead to a	
Second Major:	degree. The additional major requires 37 credits, as follows: 1) Language	
Japanese for the	Foundation (16 credits) JAPANESE 101, 102, 203, and 204. Note that	
Professions	most students entering WSU will have already fulfilled the equivalent of the	
	101 and 102 courses, if they choose to pursue the same foreign language for	
	this major; 2) Intermediate Language (9 credits) JAPANESE 306, 307, and 308; 3) Language for Specific Purposes (3 credits)	
	JAPANESE 361; 4) Lower-level Culture/Literature course taught in English	
	(3 credits) one from JAPANESE 111, 120, 123, and 131; 5) Upper-level	
	Culture/Literature courses taught in English (6 credits) two from	
	CHINESE 311, JAPANESE 320, JAPANESE 322, and ASIA 330; and 6)	
	Upper-level Experience (12 credits), including two Writing in the Major courses (see department). The STAMP 4S (Standards-based Measurement of	
	Proficiency) web-based assessment of foreign language proficiency in	
	reading, writing, speaking, and listening and will be taken during the	
	semester in which the student is completing the final course for the major	
	taught in the target language.	
Integrative	Neuroscience - General Option (120 Hours)	8-15

Physiology and Neuroscience [IPN]

Revise graduation requirements for Bachelor of Science in Neuroscience – General Option

Students may certify in general neuroscience (including premed and prevetPre-Medical/Pre-Dental and Pre-Veterinary options) after completing NEUROSCI 301 and a minimum of 24 semester hours with a 3.0 minimum gpaGPA overall, and a 3.0 minimum GPA in BIOLOGY 106, BIOLOGY 107, CHEM 105, CHEM 106 or 116, MATH 140 or 171, PHYSICS 101 or 201 or 205, and PHYSICS 102 or 202 or 206 or CHEM 345.

First Year

rirst year	
First Term	Hours
BIOLOGY-MATH 140 [QUAN] or 171 [QUAN] 106 [BSCI]	4
CHEM 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
HISTORY-PSYCH 105 [ROOTSSCI]	3
NEUROSCI 138	<u>1</u>
Second Term	Hours
BIOLOGY 107 [BSCI]	4
CHEM 106	4
Creative & Professional Arts [ARTS]	3
PSYCH HISTORY 105 [SSCIROOT]	3
Second Year	
First Term	Hours
Communication [COMM] or Written Communication [WRTG]	3
Diversity [DIVR]BIOLOGY 106	3 4
Humanities [HUM]	3 <u>4</u> 3
NEUROSCI 301 CHEM 345	<u>34</u>
PHYSICS 101 or 201	4
Second Term	Hours
CHEM 345 ⁴ NEUROSCI 301	4 <u>3</u>
MATH 140 [QUAN] or 171 [QUAN] ² Diversity [DIVR]	4 <u>3</u>
PHYSICS 102 or 202	4
<u>Neuroscience</u> Electives ¹	3 5
Complete Writing Portfolio	
Third Year	
First Term	Hours
BIOLOGY 315 Statistics ²	4
BIOLOGY 438, PSYCH 384, or 390 Behavior Course ³	3
<u>MBIOS 303</u>	<u>4</u>
Neuroscience Electives (consult adviser)	8 <u>4</u>

	Second Term	Hours		
	MBIOS 303	4		
	NEUROSCI 403 404 [M]	<u>34</u>		
	Humanities [HUM]	<u>3</u>		
	Electives ⁴ (consult advisor)	<u>89</u>		
	Fourth Year			
	First Term	Hours		
	Integrative Capstone [CAPS]NEUROSCI 430 [M]	3 <u>4</u>		
	NEUROSCI 495 or 499	2		
	NEUROSCI Electives	3		
	PSYCH 311 ³	4		 Formatted Table
	Electives (consult advisor)	<u>311</u>		 Formatted: Superscript
	Second Term	Hours		
	NEUROSCI 430403 [M]	4 <u>3</u>		
	NEUROSCI 490 [CAPS]	4 <u>3</u>		
	NEUROSCI Electives	6		
	300-400-level-Electives (consult advisor)	<u>59</u>		 Formatted: Superscript
	Footnotes			
	Approved Neuroscience electives include: BIOLOGY 301, 315, 321, 340, 352, 35 MATH 340; MBIOS 301, 304, 305, 401, 404, 413; NEUROSCI 305, 409/509, 42; 265, 312, 333, 350, 361, 372, 384, 464,470, 490, 491; PHYSICS 466/566; VET_P courses may be allowed by department consent. Please see your advisor.Part-of-the long sequence. Recommended for medical, dental, or optometry school.	5, 426; PSYCH PH 308. Other e-345-346-year-		Formatted Table
	2 Choose one course from: MATH/STAT 212, MATH 360, MATH 370, STAT 412 311,MATH 202 or 206 can substitute. 3 Choose one course from: BIOLOGY 438, BIOLOGY 456, PSYCH 470, PSYCH 4 305, or NEUROSCI 409. Or statistics course approved by advisor. 4 Additional elective choices should include a minimum of 9 credits at the 300-400	491, NEUROSCI		
Integrative Physiology and	Neuroscience - Pre-Medical and Pre-Dental Option (120 Ho	ours)	8-15	
Neuroscience [IPN] Revise graduation requirements for Bachelor of Science in Neuroscience – Pre- Medical and Pre- Dental Option.	Students may certify in general neuroscience (including Pre-Med Dental and Pre-Veterinary optionspremed and prevet) after com NEUROSCI 301 and a minimum of 24 semester hours with a 3 gpa-GPA overall, and a 3.0 minimum GPA in BIOLOGY 106, 107, CHEM 105, CHEM 106 or 116, MATH 140 or 171, PHYS 201 or 205, and PHYSICS 102 or 202 or 206 or CHEM 345.	npleting .0 minimum BIOLOGY		
	First Year			
	First Term	Hours		
	BIOLOGY MATH 140 [QUAN] or 171 [QUAN] 106 [BSCI]	4		
	CHEM 105 [PSCI]	4		

ENGLISH 101 [WRTG]	3
HISTORY PSYCH 105 [ROOTSSCI]	3
NEUROSCI 138	1
Second Term	Hours
BIOLOGY 107_[BSCI]	4
CHEM 106	4
Creative & Professional Arts [ARTS]	3
PSYCH_HISTORY_105 [SSCIROOT]	3
Second Year	
First Term	Hours
Communication [COMM] or Written Communication [WRTG]	3
Diversity [DIVR]BIOLOGY 106	<u>34</u>
Humanities [HUM]	3
NEUROSCI 301 CHEM 345	3 <u>4</u>
PHYSICS 101 or 201	4
Second Term	Hours
CHEM 345 ¹ NEUROSCI 301	4 <u>3</u>
MATH 171 [QUAN] or 140 [QUAN]Diversity [DIVR]	4 <u>3</u>
PHYSICS 102 <u>or 202</u>	4
Electives CHEM 348	<u>34</u>
Complete Writing Portfolio	
Third Year	
First Term	Hours
BIOLOGY 315 Statistics ¹	4
BIOLOGY 438, PSYCH 384, or 390Behavior Course ²	3
MBIOS 301 Neuroscience Electives 3	4 <u>5</u>
MBIOS 303	4
Second Term	Hours
CHEM 346 ¹ BIOLOGY/MBIOS 301	<u>34</u>
NEUROSCI 404	<u>34</u>
Humanities [HUM]	<u>3</u>
NEUROSCI or other Additional Electives ⁴	<u>95</u>
MCAT in AprilSpring	
Fourth Year	
First Term	Hours
Integrative Capstone [CAPS]NEUROSCI 430 [M]	<u>34</u>

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	NEUROSCI 403 [M]	3	
	NEUROSCI 495 or 499	2	
	NEUROSCI or other Electives ⁴	411	
	PSYCH 311	4	
	Second Term	Hours	
	MBIOS 305	3	
	NEUROSCI 430 403 [M]	43	
	NEUROSCI 490 [CAPS]	43	
	PSYCH 312	4	
	Electives ⁴	3 9	
	Footnotes		
	Choose one course from: MATH/STAT 212, MATH 360, MATH 370, STAT 412, or 311. Part of the 345-346 year-long sequence. Recommended for medical, dental, or o school.	or PSYCH ptometry	
	2 Choose one course from: BIOLOGY 438, BIOLOGY 456, PSYCH 470, PSYCH 45 305, or NEUROSCI 409.	01, NEUROSCI	
	³ Approved Neuroscience electives include: BIOLOGY 301, 315, 321, 340, 352, 353, MATH 340; MBIOS 301, 304, 305, 401, 404, 413; NEUROSCI 305, 409/509, 42: 265, 312, 333, 350, 361, 372, 384, 464,470, 490, 491; PHYSICS 466/566; VET 1	5, 426; PSYCH	
	courses may be allowed by department consent. 4 Additional elective choices should include a minimum of 9 credits at the 300-400 lev	vel. Consult	
	your advisor regarding elective courses that may be required or recommended for ad your future health-professions program.		
Integrative Physiology and	Neuroscience - Pre-Veterinary Option (120 Hours)		8-15
Neuroscience [IPN]	Students may certify in general neuroscience (including Pre-Med	ical/Pre-	
Revise graduation	Dental and Pre-Veterinary optionspremed and prevet) after comp		
requirements for Bachelor of Science in	NEUROSCI 301 and a minimum of 24 semester hours with a 3.0		
Neuroscience – Pre- Veterinary Option.	gpa-GPA overall, and a minimum 3.0 GPA in BIOLOGY 106, B. 107, CHEM 105, CHEM 106 or 116, MATH 140 or 171, PHYSI 201 or 205, and PHYSICS 102 or 202 or 206 or CHEM 345.		
	First Year		
	First Term	Hours	
	BIOLOGY MATH 140 [QUAN] or 171 [QUAN] 106 [BSCI]	4	
	CHEM 105 [PSCI]	4	
	ENGLISH 101 [WRTG]	3	
	HISTORY PSYCH 105 [ROOTSSCI]	3	
	NEUROSCI 138	1	
	Second Term	Hours	
	BIOLOGY 107_[BSCI]	4	
	CYTTA 6 10 6	4	
	CHEM 106	4	

PSYCH-HISTORY 105 [SSCIROOT]	3
Second Year	
First Term	Hours
Communication [COMM] or Written Communication [WRTG]	3
Diversity [DIVR]BIOLOGY 106	<u>34</u>
Humanities [HUM]	3
NEUROSCI 301 CHEM 345	<u>34</u>
PHYSICS 101 or 201	4
Second Term	Hours
CHEM 345NEUROSCI 301	4
MATH 140 [QUAN] Diversity [DIVR]	4 <u>3</u>
PHYSICS 102 or 202	4
Electives BIOLOGY/MBIOS 301	<u>34</u>
Complete Writing Portfolio	
Third Year	
First Term	Hours
MBIOS 301 Statistics ¹	4
MBIOS 303	4
NEUROSCI or other Neuroscience Electives ²	<u> 25</u>
PSYCH 311Behavior Course ³	4 <u>3</u>
Second Term	Hours
BIOLOGY 438 [M] (recommended elective)	3
NEUROSCI 404	<u>34</u>
NEUROSCI 495/499 or other Electives Humanities [HUM]	<u>63</u>
VET PH 308 (recommended elective) Electives ⁴	4 <u>8</u>
Take GRE over the summer	
Fourth Year	
First Term	Hours
Integrative Capstone [CAPS]	3
NEUROSCI 403 430 [M]	<u>34</u>
NEUROSCI 495 or 499	2
NEUROSCI or other Electives ⁴	7 <u>11</u>
Apply to Veterinary School	
Second Term	Hours
NEUROSCI 430 403 [M]	4 <u>3</u>
NEUROSCI 490 [CAPS]	4 <u>3</u>

	NEUROSCI or other Electives ⁴	69		Formatted: Superscript
	300 400 level NEUROSCI or other Electives	<u> </u>		Tormaced. Superscript
		2		
	Footnotes 1 Choose one course from: MATH/STAT 212, MATH 360, MATH 370, STAT 412	or PSYCH 311		
	² Approved Neuroscience electives include: BIOLOGY 301, 315, 321, 340, 352, 3	53, 354, 438, 456;		
	MATH 340; MBIOS 301, 304, 305, 401, 404, 413; NEUROSCI 305, 409/509, 42 265, 312, 333, 350, 361, 372, 384, 464,470, 490, 491; PHYSICS 466/566; VET 1			
	courses may be allowed by department consent. Please see your advisor.	_		
	² Choose one course from: BIOLOGY 438, BIOLOGY 456, PSYCH 470, PSYCH 305, or NEUROSCI 409.	491, NEUROSCI		Formatted: Line spacing: Multiple 1.15 li
	4 Additional elective choices should include a minimum of 9 credits at the 300-400	level. Consult		Formatted: Font: 9 pt
	your advisor regarding elective courses that may be required or recommended for DVM program.			
Integrative	Neuroscience - Computational (Breadth of Field emphasis)	(128 - <u>125</u>	8-15	
Physiology and	Hours)			
Neuroscience [IPN] Revise graduation	Students may certify in computational neuroscience after comp	leting		
requirements for	NEUROSCI 301, and a minimum of 24 semester hours with a gpa-GPA overall, and a minimum 3.0 GPA in BIOLOGY 106,			
Bachelor of Science in	107, CHEM 105, CHEM 106 or 116, MATH 171, MATH 172.			
Neuroscience –	PHYSICS 201 or 205.			
Computational (Breadth of Field				
emphasis).	First Year			Formatted Table
	First Term	Hours		
	CHEM 105 [PSCI] [‡]	4		
	ENGLISH 101 [WRTG]Creative & Professional Arts [ARTS]	3		
	HISTORY 105 [ROOT]	3		
	MATH 171 [QUAN] ¹	4		
	PSYCH 105 [SSCI]ENGLISH 101 [WRTG]	3		
	Second Term	Hours		
	BIOLOGY <u>106-107</u> [BSCI] ⁺	4		
	CHEM 106 [‡]	4		
	<u>CPT-CPT_</u> S 121	4		
	MATH 172	4		
	Second Year			
	First Term	Hours		
	CHEM 345 ¹ BIOLOGY 106	4		
	Creative & Professional Arts [ARTS] PSYCH 105 [SSCI]	3		
	MATH 220PHYSICS 201	2 4		
	MATH 273	2		
	NEUROSCI 301	3		
	PHIL 201_[HUM] [‡]	3		
	Second Term	Hours		

	Humanities [HUM]NEUROSCI 301	3		
	BIOLOGY 107 ¹ CHEM 345	4		
	CPT-CPT_S 122	4		
	MBIOS 303 ¹ PHYSICS 202	4		
	Complete Writing Portfolio			
	Third Year			
	First Term	Hours		
	<u>E</u> <u>E</u> <u>E</u> 214	<u>34</u>		
	MATH 216	3		
	MATH 315220	<u>32</u>		
	NEUROSCI 403 [M] ² Diversity [DIVR]	3		
	PHYSICS 201_ ¹ BIOLOGY/MBIOS 301	4		
	Second Term	Hours		
	Diversity [DIVR]MATH 315	3		
	MBIOS 301 ¹ Communication [COMM] or Written Communication [WRTG] ¹	4 <u>3</u>		
	NEUROSCI 404	<u>34</u>		
	PHYSICS 202 ¹ MBIOS 303	4		
l 	Fourth Year			
		Hours		
	First Term	Hours		
	First Term E-E_E 261/ 262	3 -or 1		
	First Term E-E_E 261/ 262 ENGLISH 402 [WRTG]E_E 262			
	First Term E-E_E 261/ 262	3 -or 1 3 <u>1</u>		
	First Term E-E_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425	3 or 1 31 3 21		
	First Term E.E. E 261/262 ENGLISH 402 [WRTG]E E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426	3 or 1 3 <u>1</u> 3		Formatted: Superscript
	First Term E-E_E 261/ 262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M]	3 or 1 31 3 21 4	(Formatted: Superscript
	First Term E.E. E 261/262 ENGLISH 402 [WRTG]E E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program Computational Neuroscience Electives ² (consult advisor)	3 or 1 31 3 21 4 6	(Formatted: Superscript
	First Term E-E_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program-Computational Neuroscience Electives ² (consult advisor) Second Term	3 or 1 31 3 21 4 6 Hours	(Formatted: Superscript
	First Term EE_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program Computational Neuroscience Electives (consult advisor) Second Term BIO ENG 340B_E 340	3 or 1 31 3 21 4 6 Hours 4 4 43	(Formatted: Superscript
	First Term E-E_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program Computational Neuroscience Electives ² (consult advisor) Second Term BIO ENG 340B_E 340 BIOLOGY 353 NEUROSCI 430403 [M] NEUROSCI 490 [CAPS]	3 or 1 31 3 21 4 6 Hours 4 4		Formatted: Superscript
	First Term E-E_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program Computational Neuroscience Electives (consult advisor) Second Term BIO ENG 340B_E 340 BIOLOGY 353 NEUROSCI 430403 [M]	3 or 1 31 3 21 4 6 Hours 4 4 43	(Formatted: Superscript Formatted: Superscript
	First Term E-E_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program Computational Neuroscience Electives ² (consult advisor) Second Term BIO ENG 340B_E 340 BIOLOGY 353 NEUROSCI 430403 [M] NEUROSCI 490 [CAPS]	3 or 1 31 3 21 4 6 Hours 4 4 4 3 13		
	First Term E-E_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program Computational Neuroscience Electives ² (consult advisor) Second Term BIO ENG 340B_E 340 BIOLOGY 353 NEUROSCI 430403 [M] NEUROSCI 490 [CAPS] Program Computational Neuroscience Electives ² (consult advisor) Footnotes 1 Required for entrance into medical or veterinary school Professional or Technical Writing	3 or 1 31 3 21 4 6 Hours 4 43 43 33	(
	First Term EE_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program-Computational Neuroscience Electives (consult advisor) Second Term BIO ENG 340B_E 340 BIOLOGY 353 NEUROSCI 430403 [M] NEUROSCI 490 [CAPS] Program-Computational Neuroscience Electives (consult advisor) Footnotes 1 Required for entrance into medical or veterinary school-Professional or Technical Writing recommended (e.g. ENGLISH 201 or 402) 2 Prereq CHEM 345, NEUROSCI 301 and MBIOS 303 The Breadth of Field emphasis optic	3 or 1 31 3 21 4 6 Hours 4 43 33 33		
	First Term E-E_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program—Computational Neuroscience Electives² (consult advisor) Second Term BIO ENG 340B_E 340 BIOLOGY 353 NEUROSCI 430403 [M] NEUROSCI 490 [CAPS] Program—Computational Neuroscience Electives² (consult advisor) Footnotes 1 Required for entrance into medical or veterinary school-Professional or Technical Writing recommended (e.g. ENGLISH 201 or 402) 2 Prereq CHEM 345, NEUROSCI 301 and MBIOS 303The Breadth of Field emphasis optic requires a minimum of 9 elective credits, of which at least 3 must be E or CPT S cours 300/400 level. Approved Computational Neuroscience electives include: BIOLOGY 315	3 or 1 31 3 21 4 6 Hours 4 43 33 33		Formatted: Superscript
	First Term EE_E 261/262 ENGLISH 402 [WRTG]E_E 262 Integrative Capstone [CAPS]NEUROSCI 425 NEUROSCI 495426 NEUROSCI 430 [M] Program Computational Neuroscience Electives (consult advisor) Second Term BIO ENG 340B_E 340 BIOLOGY 353 NEUROSCI 430403 [M] NEUROSCI 490 [CAPS] Program Computational Neuroscience Electives (consult advisor) Footnotes 1 Required for entrance into medical or veterinary school Professional or Technical Writing recommended (e.g. ENGLISH 201 or 402) 2 Prereq CHEM 345, NEUROSCI 301 and MBIOS 303The Breadth of Field emphasis opting requires a minimum of 9 elective credits, of which at least 3 must be E E or CPT S course.	3 or 1 31 3 21 4 6 Hours 4 43 33 33		Formatted: Superscript

	321,324,341,441, 442, 451, 464; MBIOS 305, 401, 404, 413, 478; Neurosci 305, 409/			
	470, 490, 491; Physics 466/566. Other courses may be allowed by department consen-	t. Please see		Formatted: Font: 9 pt, Not Bold
T 4 4			0.15	Formatted: Font: 9 pt, Font color: Custom Color(RGB(38,42,45))
Integrative Physiology and	Neuroscience - Computational (Hardware Emphasis) (125 Ho	urs)	8-15	COIOI(NOD(30,12,13))
Neuroscience [IPN]				
Revise graduation	Students may certify in computational neuroscience after complete			
requirements for	NEUROSCI 301, and a minimum of 24 semester hours with a 3.0 gpa-GPA overall, and a minimum 3.0 GPA in BIOLOGY 106, BIOLOGY			
Bachelor of Science in	107, CHEM 105, CHEM 106 or 116, MATH 171, MATH 172, an			
Neuroscience –	PHYSICS 201 or 205.	u		
Computational				
(Hardware Emphasis).	First Year		<u> </u>	Formatted Table
	First Term	Hours		
	CHEM 105 [PSCI] ¹	4		
	ENGLISH 101 [WRTG]Creative & Professional Arts [ARTS]	3		
	HISTORY 105 [ROOT]	3		
	MATH 171 [QUAN] ⁴	4		
	PSYCH 105 [SSCI]ENGLISH 101 [WRTG]	3		
	Second Term	Hours		
	BIOLOGY 106-107 [BSCI] ¹	Hours 4		
		-		
	CHEM 106 [‡]	4		
	CPT_CPT_S 121	4		
	MATH 172	4		
I	Second Year			
	First Term	Hours		
	CHEM 345 ¹ BIOLOGY 106	4		
	Creative & Professional Arts [ARTS] PSYCH 105 [SSCI]	3		
	MATH 220PHYSICS 201	2 4		
	MATH 273	2		
	NEUROSCI 301	3		
	PHIL 201 ¹ [HUM]	3		
<u> </u>	Second Term	Hours		
	BIOLOGY 107 ¹ CHEM 345	4		
	<u>CPT-CPT_</u> S 122	4		
	Humanities [HUM]NEUROSCI 301	3		
	MBIOS 303 ⁴ PHYSICS 202	4		
	Complete Writing Portfolio			
İ	Third Year			
	First Term	Hours		

	<u>E-E_</u> E 214	3 <u>4</u>		
	MATH 216	3		
	MATH 315 ⁴ 220	3 2		
	NEUROSCI 403 [M] ² Communication [COMM] or Written	3		
	Communication [WRTG] ¹			
	PHYSICS 201 ¹ BIOLOGY/MBIOS 301	4		
	Second Term	Hours		
	Diversity [DIVR]	3		
	MBIOS 301 ¹ MATH 315	4 <u>3</u>		
	NEUROSCI 404	<u>34</u>		
	PHYSICS 202 ¹ MBIOS 303	4		
	Fourth Year			
	First Term	Hours		
	<u>E</u> - <u>E</u> _E 234	<u>34</u>		
	<u>E</u> - <u>E</u> _E 261	3		
	<u>E-E_</u> E 262	1		
	ENGLISH 402 [WRTG]NEUROSCI 425	3		
	NEUROSCI 495 or 499 <u>426</u>	<u>21</u>		
	Program Electives (consult advisor)NEUROSCI 430	2 <u>4</u>		
	Second Term	Hours		
	BIOLOGY 353	4		
	<u>E-E_</u> E 324 <u>M</u>	4		
	Integrative Capstone NEUROSCI 490 [CAPS]	3		
	NEUROSCI 430 403 [M]	4 <u>3</u>		
	NEUROSCI 490Computational Neuroscience Electives ²	4 <u>5</u>	-	Formatted: Superscript
	Footnotes			
	Professional or Technical Writing is recommended (e.g. ENGLISH 201 or 402)lentrance into medical or veterinary school.	Required for		
	² The Hardware emphasis option requires a minimum of 5 elective credits, of which			
	be E E or CPT S courses at 300/400 level. Approved Computational Neuroscie include: BIOLOGY 315, 321, 340, 438, 456; BIO ENG 481; CPT S 322, 421,			
	443, 450; E-E 311, 321,324,341,441, 442, 451, 464; MBIOS 305, 401, 404, 413	, 478; Neurosci		
	305, 409/509; Psych 470, 490, 491; Physics 466/566. Other courses may be alloconsent. Please see your advisor. Prereq CHEM 345, NEUROSCI 301 and MBIG	OS 303.		Formatted: Font: 9 pt, Not Bold
Integrative Physiology and	Neuroscience - Computational (Software Emphasis) (123-1	120 Hours)	8-15	
i ir jordius, janu	Students may cartify in computational navvocationae	nlatina		
Neuroscience [IPN]	Students may certify in computational neuroscience after com	ipieting		
Revise graduation	NEUROSCI 301, and a minimum of 24 semester hours with a			
Revise graduation requirements for	NEUROSCI 301, and a minimum of 24 semester hours with a gpa-GPA overall, and a 3.0 minimum GPA in BIOLOGY 106			
Revise graduation requirements for Bachelor of Science in	gpa-GPA overall, and a 3.0 minimum GPA in BIOLOGY 106 107, CHEM 105, CHEM 106 or 116, MATH 171, MATH 172	, <u>BIOLOGY</u>		
Neuroscience [IPN] Revise graduation requirements for Bachelor of Science in Neuroscience — Computational	gpa-GPA overall, and a 3.0 minimum GPA in BIOLOGY 106	, <u>BIOLOGY</u>		

(Software Emphasis)	First Year	
	First Term	Hours
	CHEM 105 [PSCI] ⁴	4
	ENGLISH 101 [WRTG] Creative & Professional Arts [ARTS]	3
	HISTORY 105 [ROOT]	3
	MATH 171 [QUAN] [±]	4
	PSYCH 105 [SSCI]ENGLISH 101 [WRTG]	3
	Second Term	Hours
	BIOLOGY 106 - <u>107</u> [BSCI] ¹	4
	CHEM 106 [‡]	4
	<u>CPT-CPT_</u> S 121	4
	MATH 172	4
	Second Year	
	First Term	Hours
	BIOLOGY 107 ¹ <u>106</u>	4
	CHEM 345 ^{1,2} PHYSICS 201 or 205	4
	Creative & Professional Arts [ARTS] PSYCH 105 [SSCI]	3
	NEUROSCI 301	3
	PHIL 201 ⁺ [HUM]	3
	Second Term	Hours
	<u>CPT-CPT_</u> S 122	4
	MATH 216NEUROSCI 301	3
	MBIOS 303 ¹ CHEM 345	4
	PHYSICS-201 ⁴ 202 or 206	4
	Complete Writing Portfolio	
	Third Year	
	First Term	Hours
	CPT S 440Communication [COMM] or Written Communication	3
	[WRTG] ¹	
	EE E 214	34
	Humanities [HUM]MATH 216 MBIOS 301 ⁴	3
	NEUROSCI 403 [M] ³	4 3
	Second Term	Hours
	CPT_CPT_S 223	3
	Diversity [DIVR]	3

	NEUROSCI 404	3 <u>4</u>		
	PHYSICS 202- ¹ MBIOS 303	4		
	PSYCH 490	3		
	Fourth Year			
	First Term	Hours		
	CPT-CPT_S 224	2		
	ENGLISH 402 [WRTG] CPT_S 440	3		
	NEUROSCI 495 or 499430 [M]	2 4		
	NEUROSCI 425	<u>3</u>		
	NEUROSCI 426	<u>1</u>		
	Program Electives (consult advisor)	5		
	Second Term	Hours		
	BIOLOGY 353	4		
	<u>CPT-CPT_</u> S 322	3		
	Integrative Capstone NEUROSCI 490 [CAPS]	3		
	NEUROSCI 430403 [M]	3		
	NEUROSCI 490 Electives ²	<u>45</u>		Formatted: Superscript
	Footnotes			
	¹ Professional or Technical Writing is recommended (e.g. ENGLISH 201 or	402)Required for		
	entrance into medical or veterinary school.			
	² The Software emphasis option requires a minimum of 5 elective credits, of E_E or CPT_S courses at 300/400 level. Approved Computational Neuros	which at least 3 must be cience electives include:		
	BIOLOGY 315, 321, 340, 438, 456; BIO ENG 481; CPT S 322, 421, 422 450; E-E 311, 321,324,341,441, 442, 451, 464; MBIOS 305, 401, 404, 413	, 423, 434, 440, 443,		
	409/509; Psych 470, 490, 491; Physics 466/566. Other courses may be allo	wed by department		Formatted: Font: 9 pt, Not Bold
	consent. Please see your advisor.Part of the 345-346 year-long sequence. F	ecommended for		
	³ Prereq CHEM 345, NEUROSCI 301 and MBIOS 303.			
Integrative	Neuroscience		8-15	
Physiology and				
Neuroscience [IPN] Revise minor in	Students may apply for a minor in neuroscience once they			
Neuroscience.	60 semester credit hours and have a 2.0-2.75 gpa. However, minor coursework at any time as long as they meet the pre-			
redroserence.	minor in neuroscience requires 16 credits in Neuroscience			
	or above the 300-level. Courses needed to satisfy the min-			
	NEUROSCI 301; three credits selected from NEUROSCI			
	384, PSYCH 470, 491, or BIOLOGY 438, or BIOLOGY			
	eredits of NEUROSCI 495 or 499; and at least six credits following: NEUROSCI 403, 404, and 430.; and up to four			
	neuroscience related elective coursework (see elective che			
	Neuroscience Major). Up to five credits of NEUROSCI 4	95 or 499 may be		
	included. Upon the approval of the student's advisor, a stu			
	in neuroscience may include 500-level courses in the min	1 0		
	provided the student meets the graduate study requirement	ts and, prior to		
			14	

registration, obtains the consent of the faculty member(s) teaching the course. Students must maintain a minimum 2.0-2.75 gpa to remain certified as a neuroscience minor. Credit hours for the minor must include 9 hours of upper-division work taken in residence at WSU or through WSU-approved education abroad or educational exchange courses.

Molecular Biosciences

Revise graduation requirements for Bachelor of Science in Biochemistry – Biophysics Option.

Biochemistry - Biophysics Option(120 Hours)

graduation requirements. None of these courses may be taken pass/fail. First Year A grade of C or better is required in all MBIOS courses taken to meet

First Ye	ar
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First Year	
First Term	Hours
BIOLOGY 106 [BSCI] or 107 [BSCI]	4
CHEM 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
MATH 106 (accelerated) ¹ or Elective	3
MATH 108 (accelerated) ¹ or Elective	2
Second Term	Hours
BIOLOGY 106 or 107	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 171 [QUAN]	4
Second Year	
First Term	Hours
CHEM 345	4
Communication [COMM] or Written Communication [WRTG]	3
MATH 172	4
MBIOS 301	4
Second Term	Hours
CHEM 348	4
MBIOS 303	4
PHYSICS 201	4
Social Sciences [SSCI]	3
Complete Writing Portfolio	
Third Year	
First Term	Hours
Creative & Professional Arts [ARTS]	3
Humanities [HUM]	3
PHYSICS 202	4
MBIOS 305	3
Second Term	Hours
CHEM 347	3
Diversity [DIVR]	3

	MBIOS 304	3	
	MBIOS 401	3	
	MBIOS 465	3	
	Fourth Year		
	First Term	Hours	
	CHEM 220	2	
	CHEM 222	2	
	MBIOS 413 or 513	3	
	MBIOS 466 or PHYSICS 466	3	
	Electives	3	
	Second Term	Hours	
	Lab Elective ⁴²	3	
	MBIOS 414	3	
	MBIOS 454 [M]	3	
	MBIOS 494 [M] [CAPS]	3	
	Electives	6	
	Footnotes		
	If required - consult advisor.		
	 Lab Elective: minimum of 3 credits selected from MBIOS 402, 411, 430, 498, 499; Bl 251, 315, 353. 	IOLOGY	
Molecular	Biochemistry - Molecular Biology Option (120 Hours)		8-15
Biosciences Revise graduation	A grade of C or better is required in all MBIOS courses taken to m	aat	
requirements for	graduation requirements. None of these courses may be taken pass/		
Bachelor of Science in	First Year		
Biochemistry –	First Term	Hours	
Molecular Biology Option.	BIOLOGY 106 [BSCI] or 107 [BSCI]	4	
Option.	CHEM 105 [PSCI]	4	
	ENGLISH 101 [WRTG]	3	
	MATH 106 (accelerated) ¹ or Elective	3	
	· · · · · · · · · · · · · · · · · · ·	-	
	MATH 108 (accelerated) ¹ or Elective	2.	
	MATH 108 (accelerated) ¹ or Elective Second Term	-	
	Second Term	Hours	
	Second Term BIOLOGY 106 or 107	Hours 4	
	Second Term BIOLOGY 106 or 107 CHEM 106	Hours 4	
	Second Term BIOLOGY 106 or 107 CHEM 106 HISTORY 105 [ROOT]	Hours 4 4 3	
	Second Term BIOLOGY 106 or 107 CHEM 106 HISTORY 105 [ROOT] MATH 140 [QUAN] or 171 [QUAN]	Hours 4	
	Second Term BIOLOGY 106 or 107 CHEM 106 HISTORY 105 [ROOT] MATH 140 [QUAN] or 171 [QUAN] Second Year	Hours 4 4 3 4	
	Second Term BIOLOGY 106 or 107 CHEM 106 HISTORY 105 [ROOT] MATH 140 [QUAN] or 171 [QUAN] Second Year First Term	Hours 4 4 3 4 Hours	
	Second Term BIOLOGY 106 or 107 CHEM 106 HISTORY 105 [ROOT] MATH 140 [QUAN] or 171 [QUAN] Second Year	Hours 4 4 3 4	

	PHYSICS 101 or 201	4	
	Second Term	Hours	
	CHEM 348	4	
	MBIOS 303	4	
	PHYSICS 102 or 202	4	
	Social Sciences [SSCI]	3	
	Complete Writing Portfolio		
	Third Year		
	First Term	Hours	
	Creative & Professional Arts [ARTS]	3	
	Humanities [HUM]	3	
	MBIOS 305	3	
	STAT 212 or 412	3 or 4	
	Electives	3	
	Second Term	Hours	
	Diversity [DIVR]	3	
	MBIOS 304 [M]	3	
	MBIOS 401	3	
	MBIOS 465	3	
	Electives	3	
	Fourth Year		
	First Term	Hours	
	Lab Elective ^{±2}	3 or 4	
	MBIOS 404	3	
	MBIOS 413 or 513	3	
	Electives	5	
	Second Term	Hours	
	MBIOS 414	3	
	MBIOS 454 [M]	3	
	MBIOS 494 [M] [CAPS]	3	
	Lecture Elective ²³	3	
	Electives	3	
	Footnotes		
	1 If required - consult advisor. 42 Lab Elective: minimum of 3 credits from MBIOS 402, 411, 430, 498, 499; BIOLOGY 2 353.	51, 315,	
	²³ Lecture elective: select one from MBIOS 410, 423, 426, 440, 442, 450, 466, 478; PHYS	ICS 466.	
Molecular Biosciences Revise graduation requirements for	Genetics and Cell Biology – Molecular Biology Option (12 Hours) A grade of C or better is required in all MBIOS courses taken to mee		8-15

Bachelor of Science in	graduation requirements. None of these courses may be taken pass	fail.	
Genetics and Cell	First Year		
Biology – Molecular Biology Option.	First Term	Hours	
Diology Option.	BIOLOGY 106 [BSCI] or 107 [BSCI]	4	
	CHEM 105 [PSCI]	4	
	ENGLISH 101 [WRTG]	3	
	MATH 106 (accelerated) ¹ or Elective	3	
	MATH 108 (accelerated) ¹ or Elective	2	
	Second Term	Hours	
	BIOLOGY 106 or 107	4	
	CHEM 106	4	
	HISTORY 105 [ROOT]	3	
	MATH 140 [QUAN] or 171 [QUAN]	4	
	Second Year		
	First Term	Hours	
	CHEM 345 ⁴²	4	
	Humanities [HUM]	3	
	MBIOS 301	4	
	PHYSICS 101 or 201	4	
	Second Term	Hours	
	Creative & Professional Arts [ARTS]	3	
	MBIOS 303	4	
	PHYSICS 102 or 202	4	
	Social Sciences [SSCI]	3	
	Complete Writing Portfolio		
	Third Year		
	First Term	Hours	
	Communication [COMM] or Written Communication [WRTG]	3	
	MBIOS 304	3	
	MBioS MBIOS 305	3	
	STAT 212 or 412	3 or 4	
	Electives	3	
	Second Term	Hours	
	Diversity [DIVR]	3	
	Lecture Elective ²³	3	
	MBIOS 401	3	
	Electives	4	
	Fourth Year		
	First Term	Hours	
	Lab Elective ³⁴	3 or 4	

	MBIOS 404	3	
	MBIOS 423	3	
	MBIOS 478	3	
	Electives	3	
	Second Term	Hours	
	MBIOS 402 [M]	3	
	MBIOS 442 or BIOLOGY 476	3	
	MBIOS 494 [M] [CAPS]	3	
	Electives	8	
	Footnotes		
	1 If required - consult advisor.		
	 Lecture elective: select one from BIOLOGY 476, 519; MBIOS 410, 413, 426, 503. 	, 440, 442, <u>450, or</u>	
	 34 Lab Elective: minimum of 3 credits selected from MBIOS 411, 430, 454, 498, 251, 315, 321, 353, 372, 420. 	, 499; BIOLOGY	
Molecular Biosciences	Microbiology – Medical Technology Option (120 H	ours)	8-1:
Revise graduation	A grade of C or better is required in all MBIOS courses taken	n to meet	
equirements for	graduation requirements. None of these courses may be taker		
Bachelor of Science in	First Year		
Microbiology –	First Term	Hours	
Medical Technology	BIOLOGY 106 [BSCI] or 107 [BSCI]	4	
Option.	CHEM 105 [PSCI]	4	
	ENGLISH 101 [WRTG]	3	
	MATH 106 (accelerated) ¹ or Elective	3	
	MATH 108 (accelerated) ¹ or Elective	2	
	Second Term	Hours	
	BIOLOGY 106 or 107	4	
	CHEM 106	4	
	HISTORY 105 [ROOT]	3	
	MATH 140 [QUAN] or 171 [QUAN]	4	
	Second Year		
	First Term	Hours	
	CHEM 345 ^{‡2}	4	
	Creative & Professional Arts [ARTS]	3	
	Humanities [HUM]	3	
	MBIOS 301	4	
	I MDIO3 301		
		Hours	
	Second Term MBIOS 303	Hours 4	

	Social Sciences [SSCI]	3	
	Electives	3	
	Complete Writing Portfolio		
	Third Year		
	First Term	Hours	
	Communication [COMM] or Written Communication [WRTG]	3	
	MBIOS 304	3	
	PHYSICS 101 or 201	4	
	STAT 212 or 412	3 or 4	
	Electives	3	
	Second Term	Hours	
	Diversity [DIVR]	3	
	MBIOS 410	3	
	MBIOS 450	3	
	PHYSICS 102 or 202	4	
	Electives	3	
	Fourth Year		
	First Term	Hours	
	BIOLOGY 418	4	
	MBIOS 404	3	
	MBIOS 430 [M]	3	
	MBIOS 440	3	
	Electives	3	
	Second Term	Hours	
	MBIOS 411 [M]	3	
	MBIOS 442	3	
	MBIOS 494 [M] [CAPS]	3	
	Electives	5	
	Footnotes		
	If required - consult advisor.		
	12 CHEM 345 and 348 recommended for professional or graduate degrees.		
Molecular	Microbiology – Molecular Biology Option (120 Hours)		8-15
Biosciences			
Bachelor of Science in	A grade of C or better is required in all MBIOS courses taken to me		
Microbiology –	graduation requirements. None of these courses may be taken pass/f First Year	a11.	
Molecular Biology	First Term	Hours	
Option	BIOLOGY 106 [BSCI] or 107 [BSCI]	Hours 4	
•	CHEM 105 [PSCI]	4	
	ENGLISH 101 [WRTG]	3	
	ENGERNI IVI [WKIU]	3	

MATH 106 (accelerated) ¹ or Elective	3
MATH 108 (accelerated) or Elective	2
Second Term	Hours
BIOLOGY 106 or 107	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4
Second Year	·
First Term	Hours
CHEM 345 ⁺²	4
Creative & Professional Arts [ARTS]	3
Humanities [HUM]	3
MBIOS 301	4
Second Term	Hours
MBIOS 303	4
MBIOS 305	3
Social Sciences [SSCI]	3
Electives	4
Complete Writing Portfolio	
Third Year	
First Term	Hours
Communication [COMM] or Written Communication [WRTG]	3
MBIOS 304	3
PHYSICS 101 or 201	4
STAT 212 or 412	3 or 4
Electives	2
Second Term	Hours
Diversity [DIVR]	3
MBIOS 410	3
MBIOS 450	3
PHYSICS 102 or 202	4
Electives	3
Fourth Year	
First Term	Hours
Lecture Elective ²³	3
MBIOS 404	3
MBIOS 430[M] or 411 [M]	3
MBIOS 440	3
Electives	3
Second Term	Hours

	Lab Elective ³⁴	3 or 4	
	MBIOS 442	3	
	MBIOS 494 [M] [CAPS]	3	
	Electives	6	
	Footnotes		
	1 If required - consult advisor.		
	⁴² CHEM 345 and 348 recommended for professional or graduate degrees. ²³ Lecture elective: select one from MBIOS 342, 401, 413, 426, 446; BIOLOGY 418	ENTOM 343	
	FS 416.	·	
	³⁴ Lab Elective: minimum of 3 credits selected from MBIOS 402, 411 or 430, 454, 49 BIOLOGY 251, 315, 353; ENTOM 344; FS 417.	98, 499;	
College of Pharmacy	Professional Curriculum(132124 Hours)		8-15
Revise graduation			
requirements for Doctor of Pharmacy	First Year		
Professional	First Term	Hours	
Curriculum	PHARDSCI 502	3	
	PHARDSCI 503	4	
	PHARDSCI 504	1	
	PHARDSCI 508	3	
	PHARDSCI 528	3	
	PHARMACY 505	2	
	PHARMACY 507	1	
	PHARMACY 509	1	
	PHARMACY 516	<u>2</u>	
	Second Term	Hours	
	PHARDSCI 512	4	
	PHARDSCI 515	2	
	PHARDSCI 518	2	
	PHARDSCI 519	1	
	PHARMACY 501	1	
	PHARMACY 513	1	
	PHARMACY 514	4	
	PHARMACY 516	2	
	PHARMACY 545	<u>3</u>	
	Elective ¹	1	
	Second Year		
	First Term	Hours	
	PHARDSCI 528	3	
	PHARDSCI 532	4	
	PHARMACY 527	3	
	PHARMACY 531	1	

PHARMACY 533	3
PHARMACY 534	4
HARMACY 565	<u>2</u>
ective ¹	±2
econd Term	Hours
HARDSCI 542	4
HARMACY 541	1
HARMACY 543	1
HARMACY 544	4
HARMACY 546	2
HARMACY 559	2
ective ¹	1 2
hird Year	_
rst Term	Hours
HARMACY 545	3
HARMACY 551	1
HARMACY 553	3
HARMACY 554	3
HARMACY 555	3
HARMACY 558	2
HARMACY 567	3
ective ¹	4 <u>2</u>
cond Term	Hours
ARMACY 557	3
IARMACY 561	1
IARMACY 563	2
IARMACY 564	3
IARMACY 565	2
IARMACY 566	3
IARMACY 568	1
ective ¹	<u> 12</u>
ourth Year	
irst Term	Hours
dvanced Pharmacy Practice Experiences (APPE) ²	15
cond Term	Hours
dvanced Pharmacy Practice Experiences (APPE) ²	15
ootnotes	
Elective Courses: 4 <u>10</u> credits of electives <u>involving a mini</u>	
ourses are mandatory required throughout the first three ye	
riculum. Students are required to take 2 elective credits	auring the first

two years of the program and 2 elective credits during the third year of the program. Select from: PHARMACY 499, 576, 577, 578, 579, 580, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, and-599, or any other College approved electives.

Advanced Pharmacy Practice Experiences (APPE) courses are: PHARMACY 581, 582, 583, 584, 585, 586, 587.