

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 9  
Spring 2014**

**---REQUIREMENTS---**

**Faculty Senate Approved April 10, 2014**

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.

<b>Dept</b>	<b>Proposed</b>	<b>Effective Date</b>
<b>Apparel, Merchandising, Design &amp; Textiles</b> Revise certification requirements in Apparel Design	<p><b>Apparel Design (120 Hours)</b> Apparel design focuses on the interaction between design and merchandising and offers depth in apparel design. Students typically complete a minor in Fine Art and/or Business Administration.</p> <p>Students wishing to certify in apparel merchandising, design, and textiles must have a minimum <del>2.70</del><u>2.50</u> cumulative gpa. Students must receive a C or better grade in all AMDT courses and MKTG 360. A course may only be repeated once. Courses required in these programs cannot be taken on a pass, fail basis. To maintain certification, a <del>2.70</del><u>2.50</u> cumulative gpa is required each semester. Independent study and internship courses (490, 495, 498) will not be included in gpa calculations. Students dropping below a <del>2.70</del><u>2.50</u> gpa will be de-certified and can reapply when the gpa is <del>2.70</del><u>2.50</u> or above. Students interested in the apparel design option are accepted through a portfolio review process. Applications are available in the main office and need to be submitted during the spring semester of the second year. Transfer student who have completed two years of college may submit an application during the summer prior to the first semester of attendance at WSU for consideration.</p>	<b>8-14</b>
<b>Apparel, Merchandising, Design &amp; Textiles</b> Revise Certification Requirements in Merchandising	<p><b>Merchandising (120 Hours)</b> Merchandising includes courses designed to allow students to develop competence in the planning, buying, and selling of merchandise in either manufacturing or retail organizations. Curriculum includes a focus on marketing. Students often pursue one of the minors in Business.</p> <p>Students wishing to certify in apparel merchandising, design, and textiles must have a minimum <del>2.70</del><u>2.50</u> cumulative gpa. Students must receive a C or better grade in all AMDT courses, MKTG 360, and ECONS 352. A course may only be repeated once. Courses required in these programs cannot be taken on a pass, fail basis.</p>	<b>8-14</b>
<b>Communication</b> BA in	<b>Strategic Communication (120 Hours)</b>	<b>8-14</b>

Communication:  
Add new  
Integrated  
Communication  
option to  
Strategic  
Communication  
major and revise  
existing major.

**Certification Requirements**

To certify a major in Communication, a student must meet the following minimum requirements: (1) Complete COM 101, 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 with in two semesters. All students should certify before earning 90 credit hours.

Students are required to take at least 3 semester hours of multimedia content creation (COM 210 or equivalent) courses and 3 semester hours of communication writing (COM 300 or equivalent). Transfer students who do not have these credits in their AA can take these credits as electives.

All majors require a minimum of 49 semester hours in Communication.

**First Year**

<i>First Term</i>	<i>Hours</i>
COM 101	3
COM 138	1
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3
Quantitative Reasoning [QUAN]	3
Social Sciences [SSCI]	3
<b><i>Second Term</i></b>	<b><i>Hours</i></b>
Biological Sciences [BSCI] or SCIENCE 101 [SCI] <sup>1</sup>	3 or 4
COM 102 [COMM]	3
COM 105 [HUM]	3
HISTORY 105 [ROOT]	3
Electives	3
Apply for and Certify in Major	

**Second Year**

<i>First Term</i>	<i>Hours</i>
COM 210	3
Creative & Professional Arts [ARTS]	3
Physical Sciences [PSCI] or SCIENCE 102 [SCI] <sup>1</sup>	3 or 4

Electives	6
<b><i>Second Term</i></b>	<b><i>Hours</i></b>
COMSTRAT 310	3
MKTG 360	3
Specialization Courses <sup>2</sup>	<u>6</u>
Electives	<del>6</del> <u>3</u>
Complete Writing Portfolio	
<b>Third Year</b>	
<b><i>First Term</i></b>	<b><i>Hours</i></b>
300-400-level Electives	3
300-400-level Major Elective or COMSTRAT 495 <sup>3</sup>	3
COM 300 [M]	3
Specialization Courses <sup>2</sup>	6
<b><i>Second Term</i></b>	<b><i>Hours</i></b>
300-400-level Major Elective or COMSTRAT 495 <sup>3</sup>	3
Specialization Course <sup>2</sup>	3
Electives	9
<b>Fourth Year</b>	
<b><i>First Term</i></b>	<b><i>Hours</i></b>
300-400-level Major Elective or COMSTRAT 495 <sup>3</sup>	3
Integrative Capstone [CAPS]	3
Specialization Course <sup>2</sup>	3
Electives	6
<b><i>Second Term</i></b>	<b><i>Hours</i></b>
300-400-level Major Elective or COMSTRAT 495 <sup>3</sup>	3
Specialization Course <sup>2</sup>	3
Electives	8

### Footnotes

<sup>1</sup> For a total of 7 units—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course, or 8 units of SCIENCE 101 [SCI] and 102 [SCI].

<sup>2</sup> Students select a specialization and complete the courses required for the specialty. At least one of the specialization courses must be an [M] course. Public Relations Specialization: COMJOUR 333, COMSTRAT 312, COMSTRAT 383 [M], COMSTRAT 485 [M], and COMSTRAT 475 or any COM, COMJOUR, COMSOC, or COMSTRAT course numbered 475-490. Advertising Specialization: COMSTRAT 380, COMSTRAT 381 [M], COMSTRAT 382, COMSTRAT 480 [M], and COMSTRAT 476 or any COM, COMJOUR, COMSOC, or COMSTRAT course numbered 475-490. Integrated Communication Specialization: COMSOC 301, COMJOUR 333 [M], COMSTRAT 312, COMSTRAT 310, COMSTRAT 380, COMSTRAT 383 [M], COMSTRAT 309, COMSTRAT 476, COMSTRAT 485, COMSTRAT 495.

<sup>3</sup> Select 12 credits of 300-400-level COM, COMJOUR, COMSOC, COMSTRAT major electives not used to meet other requirements above or COMSTRAT 495 internship credits (max. 6 credits of internship) in consultation with advisor.

<b>Electrical Engineering and Computer Science</b> Revise graduation requirements for BS in Computer Engineering	<b>Computer Engineering Requirements (123 Hours)</b>	<b>8-14</b>	
	<b>First Year</b>		
	<i>First Term</i>		<i>Hours</i>
	CHEM 105 [PSCI]		4
	CPT S 121		4
	ENGLISH 101 [WRTG]		3
	MATH 171 [QUAN]		4
	<i>Second Term</i>		<i>Hours</i>
	CPT S 122		4
	MATH 172		4
	MATH 216		3
	PHYSICS 201		4
	<b>Second Year</b>		
	<i>First Term</i>		<i>Hours</i>
	<u>CPT S 223</u>		<u>3</u>
	E E 214		4
	<del>HISTORY 105 [ROOT]</del>		<del>3</del>
	MATH 220		2
	MATH 273		2
	PHYSICS 202		4
	<i>Second Term</i>		<i>Hours</i>
	<del>CPT S 223</del>		<del>3</del>
	Creative & Professional Arts [ARTS]		3
E E 234	4		
E E 261	3		
E E 262	1		
<u>HISTORY 105 [ROOT]</u>	<u>3</u>		
MATH 315	3		
Complete Writing Portfolio			
<b>Third Year</b>			
<i>First Term</i>	<i>Hours</i>		
E E 311	3		
E E 321	3		
E E 324	4		
E E 352	3		
ENGLISH 402 [WRTG]	3		
<i>Second Term</i>	<i>Hours</i>		

	<p>Biological Sciences [BSCI] 3 or 4</p> <p>CPT S 360 4</p> <p>E E 334 3</p> <p>Engineering Science Elective<sup>1</sup> 3</p> <p>STAT 360 3</p> <p><b>Fourth Year</b></p> <p><b><i>First Term</i></b> <b><i>Hours</i></b></p> <p>Approved CPT E Technical Electives<sup>2</sup> 3</p> <p><u>Senior Design Elective I</u><sup>3</sup> 3</p> <p>E E 415 2</p> <p>ECONS 101 [SSCI] or 102 [SSCI] 3</p> <p>Humanities [HUM] 3</p> <p><b><i>Second Term</i></b> <b><i>Hours</i></b></p> <p>Approved CPT E Technical Electives<sup>2</sup> 6</p> <p>Diversity [DIVR] 3</p> <p><u>E E 302</u> 3</p> <p>E E 416 [CAPS] [M] 3</p> <p><del>Integrative Capstone [CAPS]</del> 3</p> <p>Complete Cpt E Exit Interview and Survey</p> <hr/> <p><b>Footnotes</b></p> <p><sup>1</sup> Choose from E E 331, 341, ME 301, or MSE 302. <u>(Note: If either E E 331 or E E 341 is taken as an engineering science elective, it cannot also count as a technical elective.)</u></p> <p><sup>2</sup> Technical electives must all be 300 or 400 level courses and must be chosen with an advisor's approval. <u>Any of the following courses may be chosen to fulfill technical elective requirements: E E 331, 341, 351, 431, 432, 434, 451, 464, 466, 470, 476, 489, 496; Cpt S 317, 322, 355, 422, 423, 430, 440, 442, 443, 450, 451, 452, 455, 460, 466; One only of Math 325, 340, 364, 415, 421, 440, 441, 448, 453, 464, 466.</u></p> <p><sup>3</sup> <u>Senior Design Electives adhere to one of the following sequences: E E 434 and E E 416: ASIC &amp; Digital Systems; E E 466 and E E 416: VLSI Design; Cpt S 466 and E E 416: Embedded and Microcomputer Systems.</u></p>	
<p><b>Electrical Engineering and Computer Science</b> Revise graduation requirements for BS in Computer Science</p>	<p><b>Bachelor of Science, Computer Science Requirements(120 Hours)</b></p> <p><b>First Year</b></p> <p><b><i>First Term</i></b> <b><i>Hours</i></b></p> <p>CPT S 121 4</p> <p>ENGLISH 101 [WRTG] 3</p> <p>MATH 171 [QUAN] 4</p> <p>PHIL 201 3</p> <p><b><i>Second Term</i></b> <b><i>Hours</i></b></p> <p>CPT S 122 4</p> <p>HISTORY 105 [ROOT] 3</p>	<p><b>8-14</b></p>

MATH 172	4
MATH 216	3
<b>Second Year</b>	
<i>First Term</i>	<i>Hours</i>
CPT S 223	3
<u>CPT S 224</u>	<u>2</u>
CPT S 260	3
<del>Humanities [HUM]</del>	<del>3</del>
<u>MATH 273 or 301</u>	<u>2 or 3</u>
PHYSICS 201 [PSCI]	4
<del>Social Sciences [SSCI]<sup>+</sup></del>	<del>3</del>
<i>Second Term</i>	<i>Hours</i>
Biological Sciences [BSCI]	3 or 4
<del>CPT S 224</del>	<del>2</del>
Creative & Professional Arts [ARTS]	3
MATH 220	2
PHYSICS 202	4
<u>Social Sciences [SSCI]<sup>1</sup></u>	<u>3</u>
Complete Writing Portfolio	
<b>Third Year</b>	
<i>First Term</i>	<i>Hours</i>
CPT S 322 [M]	3
CPT S 355	3
ENGLISH 402 [WRTG]	3
<u>Humanities [HUM]</u>	<u>3</u>
<del>MATH 273 or 301</del>	<del>2 or 3</del>
STAT 360	3
<i>Second Term</i>	<i>Hours</i>
CPT S 317	3
CPT S 323	3
CPT S 360	4
CPT S Option Courses <sup>2</sup>	6
<b>Fourth Year</b>	
<i>First Term</i>	<i>Hours</i>
CPT S 421	3
CPT S 422 [M]	3
CPT S 450	3
CPT S Option Courses <sup>2</sup>	6

	<p>Diversity [DIVR] 3</p> <p><b>Second Term</b> <i>Hours</i></p> <p><u>CPT S 302</u> 3</p> <p><del>CPT S 402</del> 3</p> <p>CPT S 423, or Integrative Capstone [CAPS] 3</p> <p>CPT S 460 3</p> <p>CPT S Option Course<sup>2</sup> 3</p> <p>Electives 2</p> <p>Complete Cpt S Exit Interview and Survey</p> <hr/> <p><b>Footnotes</b></p> <p><sup>1</sup> ECONS 101 or 102 recommended.</p> <p><sup>2</sup> Fifteen credits (5 courses) of option area classes are required for completion of the degree program. The option courses are chosen from upper-level computer science related courses and must be approved by an advisor. <u>BS Computer Science Option courses can be chosen from the following list of classes: CE 463, CPT S 425, CPT S 427, CPT S 430, CPT S 434, CPT S 438, CPT S 440, CPT S 442, CPT S 443, CPT S 451, CPT S 452, CPT S 453, CPT S 455, CPT S 456, CPT S 464, CPT S 466, CPT S 470, CPT S 481, CPT S 483, CPT S 490, CPT S 499, DTC 335, MATH 401, MATH 402, MATH 415, MATH 420, MATH 421, MATH 440, MATH 441. NOTE: Upper-division courses in other disciplines may be used with permission. Contact your advisor if you are interested in taking a course that is not included on this list.</u></p>	
<p><b>Electrical Engineering and Computer Science</b> Revise graduation requirements for BA in Computer Science</p>	<p><b>Bachelor of Arts, Computer Science Requirements(122 Hours)</b></p> <p><b>First Year</b></p> <p><i>First Term</i> <i>Hours</i></p> <p>CPT S 121 4</p> <p><u>Creative &amp; Professional Arts [ARTS]</u> 3</p> <p><del>ENGLISH 101 [WRTG]</del> 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>MATH 201<sup>1</sup> 3</p> <p>PHIL 201 [QUAN] 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>CPT S 122 4</p> <p><del>Creative &amp; Professional Arts [ARTS]</del> 3</p> <p><u>ENGLISH 101 [WRTG]</u> 3</p> <p>MATH 202<sup>1</sup> 3</p> <p>MATH 216 3</p> <p>Social Sciences [SSCI]<sup>2</sup> 3</p> <p><b>Second Year</b></p> <p><i>First Term</i> <i>Hours</i></p> <p><del>Biological Sciences [BSCI] with lab<sup>3</sup></del> 4</p> <p>CPT S 223 3</p>	<p><b>8-14</b></p>

<u>CPT S 224</u>	<u>2</u>
CPT S 260	3
MATH 212	4
<u>Minor Elective<sup>4</sup></u>	<u>3</u>
<b><i>Second Term</i></b>	<b><i>Hours</i></b>
<u>Biological Sciences [BSCI] with lab<sup>3</sup></u>	<u>4</u>
<u>CPT S 224</u>	<u>2</u>
MATH Elective <sup>1</sup>	3
Minor Electives <sup>4</sup>	6
Physical Sciences [PSCI] with lab <sup>3</sup>	4
Complete Writing Portfolio	
<b>Third Year</b>	
<b><i>First Term</i></b>	<b><i>Hours</i></b>
CPT S 322 [M]	3
CPT S 355	3
ENGLISH 402 [WRTG]	3
Minor Elective <sup>4</sup>	3
Science Elective [BSCI] or [PSCI] <sup>3</sup>	4
<b><i>Second Term</i></b>	<b><i>Hours</i></b>
Advanced Cpt S Elective <sup>5</sup>	3
CPT S 323	3
Diversity [DIVR]	3
<u>300-400-level Minor Elective<sup>4</sup></u>	<u>3</u>
Science Elective [BSCI] or [PSCI] <sup>3</sup>	3
<b>Fourth Year</b>	
<b><i>First Term</i></b>	<b><i>Hours</i></b>
300-400-level Minor Elective <sup>4</sup>	3
Advanced Cpt S Elective <sup>5</sup>	6
CPT S 422 [M]	3
Humanities [HUM]	3
<b><i>Second Term</i></b>	<b><i>Hours</i></b>
300-400-level Minor Elective <sup>4</sup>	3
Advanced CPT S Electives <sup>5</sup>	6
<u>CPT S 302</u>	<u>3</u>
<u>CPT S 402</u>	<u>3</u>
Integrative Capstone [CAPS]	3
Complete Cpt S Exit Interview and Survey	

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**Footnotes**



	<p><sup>1</sup> Either math sequence below will satisfy the math requirement for this degree. Sequence B will allow a broader selection of advanced computer science electives. The course work in mathematics must total at least sixteen semester hours (including MATH 216). Sequence A: MATH 201, 202, 212, and a MATH elective chosen from the following list: MATH 364, 416, or STAT 412. Sequence B: MATH 171, 172, 220, and MATH 212, or MATH 360.</p> <p><sup>2</sup> SOC 101 recommended.</p> <p><sup>3</sup> Science electives must include a year-long sequence (two semesters including a laboratory in each semester) and two additional science courses, one of which must have a laboratory component.</p> <p><sup>4</sup> Elective credits should include a minor program. Completion of a minor is strongly encouraged. If a minor in a science or engineering discipline is contemplated, Math Sequence B should be taken (see note 1).</p> <p><sup>5</sup> 300-400-level advanced computer science electives must be chosen to contain advanced work in at least three separate computer science areas. <u>Eligible areas and courses are: a) Theory: CPT S 317, 450, 453; b) Scientific Computing: CPT S 430, 438, 470; c) Programming Languages: CPT S 355, 452, 481; d) Hardware Systems: CPT S 360, 460, 466; E E 324, 334; e) Graphics and Multimedia: CPT S 442, 443; f) Software Systems: CPT S 425, 427, 451, 455, 464; g) Intelligent Systems: CPT S 440, 434; h) Software Engineering: CPT S 421, 422, 423; i) Selected offerings of CPT S 483 could fit in one or more of the categories above. Consult with an advisor for course choices and other requirements.</u></p>																											
<p><b>Electrical Engineering and Computer Science</b> Revise graduation requirements for BS in Electrical Engineering</p>	<p><b>Electrical Engineering Requirements(123 Hours)</b></p> <p><b>Fourth Year</b></p> <table border="0"> <thead> <tr> <th>First Term</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>Biological Sciences [BSCI]</td> <td>3 or 4</td> </tr> <tr> <td>Diversity [DIVR]</td> <td>3</td> </tr> <tr> <td>E E 415</td> <td>2</td> </tr> <tr> <td>ENGLISH 402 [WRTG]</td> <td>3</td> </tr> <tr> <td>Track Electives<sup>2</sup></td> <td>6</td> </tr> <tr> <td colspan="2"><b>Second Term</b></td> </tr> <tr> <td>300-400-level Track Electives<sup>2</sup></td> <td>6</td> </tr> <tr> <td><u>CPT S 302</u></td> <td><u>3</u></td> </tr> <tr> <td>E E 416 [CAPS] [M]</td> <td>3</td> </tr> <tr> <td>Humanities [HUM]</td> <td>3</td> </tr> <tr> <td><del>Integrative Capstone [CAPS]</del></td> <td><del>3</del></td> </tr> <tr> <td>Complete E E Exit Interview and Survey</td> <td></td> </tr> </tbody> </table> <hr/> <p><b>Footnotes</b></p> <p><sup>1</sup> Choose from CE 211, ME 212, ME 301, or MSE 302.</p> <p><sup>2</sup> Students follow one of <del>four</del> <u>five</u> tracks for an emphasis in their degree program: <u>Power track: required: E E 362, 491, and at least 6 hours from E E 486, 489, 492, 493, 494; Microelectronics track: required: E E 351, 476, 496, at least two of the following E E 431, 464, 489; Systems track: required: E E 464, 489, at least one from E E 432, 451, and two from E E 351, 431, 432, 451, 470; General track: at least one from E E 324, 351, 362, 489, and one from E E 432, 451, 491, 496; or Computer Engineering track: required: E E 434, 466, at least one from E E 324, 334, CPT S 360.</u> See your academic advisor for an approved list <u>and other requirements.</u></p>	First Term	Hours	Biological Sciences [BSCI]	3 or 4	Diversity [DIVR]	3	E E 415	2	ENGLISH 402 [WRTG]	3	Track Electives <sup>2</sup>	6	<b>Second Term</b>		300-400-level Track Electives <sup>2</sup>	6	<u>CPT S 302</u>	<u>3</u>	E E 416 [CAPS] [M]	3	Humanities [HUM]	3	<del>Integrative Capstone [CAPS]</del>	<del>3</del>	Complete E E Exit Interview and Survey		<p><b>8-14</b></p>
First Term	Hours																											
Biological Sciences [BSCI]	3 or 4																											
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Complete E E Exit Interview and Survey																												
<p><b>Engineering and Computer Science WSU-Vancouver</b> Revise Minor in</p>	<p><b>Computer Science</b></p> <p>The minor in computer science consists of <del>20</del> <u>21</u> credit hours that must include either <u>CS 121 or 251, plus CS 122, 223, 224, 360, and three two</u> 300-400 level CS courses, <u>excluding CS 402.</u> Lower division (100-200 level) courses <del>must</del> <u>may be</u></p>	<p><b>8-14</b></p>																										

Computer Science	<p>taken in residence at WSU or through WSU-approved education abroad or educational exchange courses, <del>excluding CS 402</del>. <u>Upper division (300-400 level) courses must be taken in residence at WSU. All prerequisites for minor courses must be met.</u> All courses must be completed with a grade of C or better <u>and all course prerequisites must be met.</u> The minor course of study must be pre-approved by the computer science academic coordinator.</p>	
<p><b>Engineering and Computer Science WSU-Vancouver</b> Revise certification and graduation requirements in BS in Computer Science.</p>	<p><b>Bachelor of Science, Computer Science Requirements (Vancouver Only) (120 Hours)</b> <u>Each May the computer science faculty will examine the available capacity in the program and determine the number of new students to be certified for the fall semester. Similarly, the faculty will determine in September the number of additional students to be certified for the spring semester. Students must be certified computer science majors, or minors, to enroll in 300 or 400 level computer science courses. Certification is required by WSU prior to the granting of a baccalaureate degree.</u></p> <p><u>Minimum qualifications for certification in computer science are:</u></p> <ol style="list-style-type: none"> <li>1) <u>Completion of Math 171, Math 172, CS 121, CS 122, CS 216, CS 224, CS 260, CS 261 and PHYSICS 201, or their equivalents, with a grade of C or better.</u></li> <li>2) <u>A cumulative GPA of 2.0 or better.</u></li> <li>3) <u>Students must be in good academic standing when they apply for certification with a 2.0 GPA or better in their prior semester's coursework.</u></li> </ol> <p><u>Students applying for certification for the fall semester must submit all necessary transcripts, along with their application for certification, by July 1<sup>st</sup>. Students applying for certification in the spring semester must submit their application (and necessary transcripts) by November 1<sup>st</sup>. Applicants will be notified of the decision by July 15<sup>th</sup> for fall semester applicants, or by November 15<sup>th</sup> for spring applicants.</u></p> <p><u>If the number of applications for certification exceeds the program's capacity, the following criteria will be used to select the applicants to be certified:</u></p> <ol style="list-style-type: none"> <li>1) <u>GPA earned in the courses required for certification</u></li> <li>2) <u>Overall GPA</u></li> </ol> <p><u>Students who meet the minimum qualifications for certification, but are denied certification, may appeal the decision. The appeal should describe any special circumstances to be considered. A faculty committee will consider the appeal - the circumstances described, trends in the student's grades and course load - and make a final decision regarding certification. The appeal must be submitted within 2 weeks of the notification described above. Appeals will be considered and final decisions made by August 1<sup>st</sup> and January 1<sup>st</sup> for the fall and spring semesters, respectively. Previously-certified students who become academically deficient under WSU's academic regulations are subject to decertification.</u></p>	8-14

Students who have completed at least 30 semester hours of course work and who have completed ~~CS 121, CS 122, CS 216, CS 224, CS 260, CS 261, MATH 171, MATH 172, and PHYSICS 201, or their equivalents, are eligible for certification into the Bachelor of Science in Computer Science program. All courses required for certification must be completed with a grade of C or better. Enrollment in 400-level computer science courses is restricted to certified majors or minors in computer science and to juniors and seniors certified in other degree programs requiring 400-level computer science courses, with the exception of CS 402.~~

No courses listed in this schedule of studies may be taken on a pass/fail basis. All listed computer science courses, and their prerequisites, must be completed with a grade of C or better.

**First Year**

<i>First Term</i>	<i>Hours</i>
CS 121	4
<del>ENGLISH 101 [WRTG]</del>	<del>3</del>
<del>HISTORY 105 [ROOT]</del>	<del>3</del>
<del>Humanities [HUM]</del>	<del>3</del>
MATH 171 [QUAN]	4

<i>Second Term</i>	<i>Hours</i>
CS 122	4
CS 216	3
<del>ENGLISH 101 [WRTG]</del>	<del>3</del>
<del>Humanities [HUM]</del>	<del>3</del>
MATH 172	4

**Second Year**

<i>First Term</i>	<i>Hours</i>
CS 223	3
CS 260	3
ECONS 101 [SSCI] or 102 [SSCI]	3
MATH 273	2
PHYSICS 201 [PSCI]	4

<i>Second Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab	4
CS 224	3
CS 261	3
MATH 220	2
PHYSICS 202	4
Complete Writing Portfolio	

**Third Year**

<i>First Term</i>	<i>Hours</i>
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	CS 317 3 CS 320 [M] 3 CS Option Course <sup>1</sup> 3 ENGLISH 402 [WRTG] 3 STAT 360 3 <b>Second Term</b> <b>Hours</b> CS 351 3 CS 355 3 CS 360 4 CS Option Course <sup>1</sup> 3 Diversity [DIVR] 3  <b>Fourth Year</b> <b>First Term</b> <b>Hours</b> Creative & Professional Arts [ARTS] 3 <u>CS 420 [CAPS] [M]</u> <u>3</u> CS 450 3 <del>CS 460</del> 3 CS Option Courses <sup>1</sup> 6 <b>Second Term</b> <b>Hours</b> CS 402 [M] 3 <u>CS 421</u> <u>3</u> <u>CS 460</u> <u>3</u> <del>CS 420 [M][CAPS]</del> 3 CS Option Courses <sup>1</sup> <u>96</u>	
	<b>Footnotes</b> <sup>1</sup> <del>24-18</del> credit hours of option area courses are required for completion of the degree program. The option courses <del>are</del> must be chosen from upper-division (CS 3XX and CS 4XX) computer science <del>and related</del> courses and <u>may also include up to 6 hours from the following list: MATH 315, MATH 448, MATH 453, ECE 324, ECE 366 and ECE 424. Other computer science-related courses may be substituted, as approved by the department.</u> <del>—must be pre-approved by a faculty advisor.</del>	
<b>Engineering and Computer Science WSU-Vancouver</b> Revise certification requirements in BS in Electrical Engineering.	<b>Bachelor of Science, Electrical Engineering Requirements (Vancouver only) (121 Hours)</b>  Students who have completed at least 30 semester hours of course work and who have completed CHEM 105; CS 251; ECE 214, ECE 234, ECE 260; MATH 273; and PHYSICS 202 or their equivalents are eligible for certification into the Bachelor of Science in Electrical Engineering program. All courses required for certification must be completed with a grade of C or better. Enrollment in many upper-division electrical engineering courses is restricted to certified majors or minors in electrical or mechanical engineering.  <u>When it becomes necessary to limit enrollment, the overall gpa as well as the gpa</u>	<b>8-14</b>

	<p><u>for the prerequisite courses listed will be important factors. Students who have not completed all of the prerequisite courses will be placed in a pre-engineering major.</u></p> <p>No courses listed in this schedule of studies may be taken on a pass/fail basis. All upper-division electrical engineering courses must be completed with a minimum 2.0 average gpa.</p> <p><b>First Year</b></p> <p><i>First Term</i> <span style="float: right;"><i>Hours</i></span></p> <p>CHEM 105 [PSCI] <span style="float: right;">4</span></p> <p>ECE 101 <span style="float: right;">2</span></p> <p><del>ENGLISH 101 [WRTG]</del> <span style="float: right;"><del>3</del></span></p> <p>HISTORY 105 [ROOT] <span style="float: right;">3</span></p> <p><u>Humanities [HUM]</u> <span style="float: right;"><u>3</u></span></p> <p>MATH 171 [QUAN] <span style="float: right;">4</span></p> <p><i>Second Term</i> <span style="float: right;"><i>Hours</i></span></p> <p>CS 251 <span style="float: right;">4</span></p> <p>ECONS 101 [SSCI] or 102 [SSCI] <span style="float: right;">3</span></p> <p>MATH 172 <span style="float: right;">4</span></p> <p>PHYSICS 201 [PSCI] <span style="float: right;">4</span></p> <p><b>Second Year</b></p> <p><i>First Term</i> <span style="float: right;"><i>Hours</i></span></p> <p>Biological Sciences [BSCI] or SCIENCE 101 [SCI] <span style="float: right;">3 or 4</span></p> <p>ECE 214 <span style="float: right;">3</span></p> <p>MATH 220 <span style="float: right;">2</span></p> <p>MATH 273 <span style="float: right;">2</span></p> <p>PHYSICS 202 <span style="float: right;">4</span></p> <p><i>Second Term</i> <span style="float: right;"><i>Hours</i></span></p> <p>Diversity [DIVR] <span style="float: right;">3</span></p> <p>ECE 234 <span style="float: right;">3</span></p> <p>ECE 260 <span style="float: right;">4</span></p> <p><u>ENGLISH 101 [WRTG]</u> <span style="float: right;"><u>3</u></span></p> <p><del>Humanities [HUM]</del> <span style="float: right;"><del>3</del></span></p> <p>MATH 315 <span style="float: right;">3</span></p>	
<p><b>Engineering and Computer Science WSU-Vancouver</b> Revise certification requirements in</p>	<p><b>Bachelor of Science, Mechanical Engineering Requirements (Vancouver Only) (121 Hours)</b></p> <p>Students who have completed at least 30 semester hours of course work and who have completed Chem 105; Math 220, 273; Mech 211, 212, 215; and Phys 201 or their equivalents are eligible for certification into the Bachelor of Science in Mechanical Engineering program. All courses required for certification must be</p>	<p><b>8-14</b></p>

BS in Mechanical Engineering.	<p>completed with a grade of C or better. Enrollment in many upper-division mechanical engineering courses is restricted to certified majors or minors in mechanical engineering.</p> <p><u>When it becomes necessary to limit enrollment, the overall gpa as well as the gpa for the prerequisite courses listed will be important factors. Students who have not completed all of the prerequisite courses will be placed in a pre-engineering major.</u></p> <p>No courses listed in this schedule of studies may be taken on a pass/fail basis. All upper-division mechanical engineering courses must be completed with a minimum 2.0 average gpa.</p>	
<b>English</b> New undergraduate Certificate in Editing and Publishing	<b>Certificate in Editing and Publishing</b> This career-oriented program equips students with a working, practical knowledge in the creative and professional fields of editing and publishing. To earn the certificate, students must complete the following three core courses: ENGL 355, 357, and 405 (9 credits), plus one (3 credit) elective from the following: ENGL 451, 452, 453, or 477. Students must also complete two 1-credit internships from a slate of approved editorial-based positions. The capstone course is a 1-credit directed study approved by the student’s advisor. Students must complete all coursework with a 3.0 GPA or better.	8-14
<b>General Studies – Social Sciences, WSU Vancouver</b> Title change	<b>General Studies - Social Sciences Option: Personnel Psychology/Human Resources Management (Vancouver-only Option)</b> [Note: To officially change name of option to match title currently used by department and in catalog]	8-14
<b>Horticulture</b> Revise minor in Horticulture	<b>Horticulture</b> A minimum of 16 hours in <u>courses carrying a HORT subject</u> is required, of which at least 9 hours must be in 300-400-level courses <u>excluding HORT 399 and 499</u> and taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. <u>A maximum of 3 hours of the 16 hours may be from the following courses: HORT 399, 495, 499. HORT/CROP SCI 202 and 251 are highly recommended. All pass, fail enrollments, and up to 2 credits of HORT 499, must be approved by the department chair.</u>	8-14
<b>Molecular Biosciences</b> Revise minor in Pre-Genetic Counseling.	<b>Pre-Genetic Counseling</b> A minor in pre-genetic counseling requires 19 - 23 hours including MBIOS 301, 423, PHIL 365, PSYCH 321 <u>or 333</u> , 440 or 444, 445, one of MATH 360, PSYCH 311, STAT 212, or 412. A grade of C or better is required in all course work for the 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.	8-14
<b>Politics, Philosophy, and Public Affairs</b>	<b>Political Science - General Option(120 Hours)</b> Students wishing to enroll in POL S 499 must have at least junior standing and	8-14

Revise graduation requirements for BA in Political Science – General.

~~consent of the instructor; no more than 3 hours of 499 or 3 hours of 497 may be counted towards the departmental requirements.~~  
36 hours in POL S are required, at least 15 of which must be earned at WSU.

**First Year**

***First Term***

***Hours***

~~Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]~~ 3

~~ENGLISH 101 [WRTG]~~ 3

~~HISTORY 105 [ROOT]~~ 3

~~Humanities [HUM]~~ 3

~~POL S 101 [SSCI]~~ 3

~~Electives~~ 3

***Second Term***

***Hours***

~~Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]~~ 3

~~Diversity [DIVR]~~ 3

~~ENGLISH 101 [WRTG]~~ 3

~~POL S 102~~ 3

~~Electives~~ 6

**Second Year**

***First Term***

***Hours***

Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] 4

Creative & Professional Arts [ARTS] 3

Foreign Language, if necessary, or Elective 3 or 4

POL S 103 3

Quantitative Reasoning [QUAN] 3

***Second Term***

***Hours***

Foreign Language, if necessary, or Elective 3 or 4

Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] 4

POL S 201 3

~~POL S Electives<sup>1,2</sup>~~ 6

Electives 34

Complete Writing Portfolio

**Third Year**

***First Term***

***Hours***

300-400-level Creative & Professional Arts, Humanities, or Social Sciences Elective 3

~~300-400 level POL S Elective [M]~~ 3

~~POL S Electives<sup>3,1</sup>~~ 69

	<p>300-400-level Electives <span style="float: right;">43</span></p> <p><b>Second Term</b> <span style="float: right;"><b>Hours</b></span></p> <p>300-400-level Creative &amp; Professional Arts, Humanities, or Social Sciences Elective <span style="float: right;">3</span></p> <p><del>300-400-level POL S Elective [M]</del> <span style="float: right;"><del>3</del></span></p> <p>ENGLISH 201 [WRTG], 301 [WRTG], or 402 [WRTG] <span style="float: right;">3</span></p> <p>POL S Elective<sup>31</sup> <span style="float: right;">36</span></p> <p><u>Elective (CPT S or STAT Elective recommended)</u><sup>4+</sup> <span style="float: right;">3</span></p> <p><b>Fourth Year</b></p> <p><b>First Term</b> <span style="float: right;"><b>Hours</b></span></p> <p>300-400-level Creative &amp; Professional Arts, Humanities, or Social Sciences Elective <span style="float: right;">3</span></p> <p>300-400-level POL S Elective<sup>1</sup> <span style="float: right;">3</span></p> <p>300-400-level Electives <span style="float: right;">9</span></p> <p><b>Second Term</b> <span style="float: right;"><b>Hours</b></span></p> <p>300-400-level Creative &amp; Professional Arts, Humanities, or Social Sciences Elective <span style="float: right;">3</span></p> <p>300-400-level POL S Elective<sup>1</sup> <span style="float: right;">36</span></p> <p>Integrative Capstone [CAPS] <span style="float: right;">3</span></p> <p>300-400-level Electives <span style="float: right;">3</span></p> <hr/> <p><b>Footnotes</b></p> <p><sup>+</sup> <del>American politics, see department.</del></p> <p><sup>1</sup> <u>POL S electives must include [M] courses sufficient to provide student with two, if these have not been taken to fulfill other requirements in the major.</u></p> <p><sup>2</sup> <del>Comparative or International Relations, see department</del></p> <p><sup>3</sup> <del>Policy and public administration, see department.</del></p> <p><sup>4</sup> <del>Recommended</del></p>	
<p><b>Politics, Philosophy, and Public Affairs</b> Revise graduation requirements for BA in Political Science – Global Politics.</p>	<p><b>Political Science - Global Politics Option(120 Hours)</b> <del>33</del>36 hours in POL S are required, at least 15 of which must be earned at WSU. Consult advisor on <del>study abroad in junior year</del> <u>International Experience requirement.</u></p> <p><b>First Year</b></p> <p><b>First Term</b> <span style="float: right;"><b>Hours</b></span></p> <p>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] <span style="float: right;">4</span></p> <p><del>ENGLISH 101 [WRTG]</del> <span style="float: right;"><del>3</del></span></p> <p>HISTORY 105 [ROOT] <span style="float: right;">3</span></p> <p><u>Humanities [HUM]</u> <span style="float: right;"><u>3</u></span></p> <p>POL S 101 [SSCI] <span style="float: right;">3</span></p> <p>Quantitative Reasoning [QUAN] <span style="float: right;">3 or 4</span></p>	<b>8-14</b>



<b><i>Second Term</i></b>	<b><i>Hours</i></b>
Diversity [DIVR]	3
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
<del>Humanities [HUM]</del>	<del>3</del>
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
POL S 102	3
Electives	3
<b>Second Year</b>	
<b><i>First Term</i></b>	<b><i>Hours</i></b>
Communication [COMM] or Written Communication [WRTG]	3
Creative & Professional Arts [ARTS]	3
POL S 103	3
<del>POL S Comparative Elective or Minor Field Elective<sup>1,2</sup></del>	<del>3</del>
Electives	4
<b><i>Second Term</i></b>	<b><i>Hours</i></b>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Minor Field Elective	3
<u>POL S 201</u>	<u>3</u>
POL S Elective <sup>1</sup>	3
<del>POL S IR Elective<sup>3</sup></del>	<del>3</del>
Electives	3
Complete Writing Portfolio	
<b>Third Year</b>	
<b><i>First Term</i></b>	<b><i>Hours</i></b>
Minor Field Elective or Foreign Language, <u>if applicable</u> <sup>2</sup>	3 or 4
<u>300-400-level POL S [M] Electives<sup>1</sup></u>	<u>36</u>
<u>POL S global courses<sup>2</sup></u>	<u>6</u>
<del>POL S 333 or 438</del>	<del>3</del>
<del>POL S Comparative Elective<sup>1</sup></del>	<del>3</del>
<del>POL S IR Elective<sup>3</sup></del>	<del>3</del>
<b><i>Second Term</i></b>	<b><i>Hours</i></b>
<u>300-400-level POL S [M] Electives<sup>1</sup></u>	<u>36</u>
<del>POL S Comparative Elective<sup>1</sup></del>	<del>3</del>
<del>POL S IR Elective<sup>3</sup></del>	<del>3</del>
Electives	<u>36</u>
Minor Field Elective or Foreign Language, <u>if applicable</u> <sup>2</sup>	3 or 4
<b>Fourth Year</b>	
<b><i>First Term</i></b>	<b><i>Hours</i></b>

	<p>Integrative Capstone [CAPS] 3</p> <p>Minor Field Elective, if applicable, or Elective 3</p> <p><del>Political Science Comparative Elective (if necessary)<sup>1</sup></del> 3</p> <p><u>POL S 427</u> 3</p> <p>300-400-level Electives 6</p> <p><b>Second Term</b> <b>Hours</b></p> <p><del>Minor Field Elective<sup>2</sup></del> 3</p> <p><u>International Experience<sup>3</sup></u> 3</p> <p><u>300-400-level Electives, including Minor Field, if applicable</u> 912</p> <hr/> <p><b>Footnotes</b></p> <p><sup>1</sup> <del>Comparative Politics Electives: POL S 305, 314, 405 [M], 413, 428, 432, 435, 447, 472 [M], 474, 476 (courses cannot be counted for both Comparative Politics and International Relations).</del></p> <p><sup>1</sup> <u>POL S electives must include [M] courses sufficient to provide student with two, if these have not been taken to fulfill other requirements in the major.</u></p> <p><sup>2</sup> <del>May choose from a minor in a Foreign Language or Global Studies.</del></p> <p><sup>2</sup> <u>Choose from POL S 305, 314, 405 [M], 418, 424 [M], 428, 429, 432 [M], 435, 447, 472 [M], 474, 475, or 476.</u></p> <p><sup>3</sup> <del>International Relations Electives: POL S 314, 424 [M], 427 [M], 428, 429 (courses cannot be counted for both Comparative Politics and International Relations).</del></p> <p><sup>3</sup> <u>International Experience: earn at least 3 credit hours while completing one of the following: a) Study abroad (POL S 276 or 277 at a WSU-approved program); b) International internship (POL S 497 approved by POL S advisor; either abroad or in U.S.-based internship that includes global activities); c) Minor in foreign languages or Global Studies; or d) Military Science 402 while enrolled in ROTC.</u></p>	
<p><b>Politics, Philosophy, and Public Affairs</b></p> <p>Revise graduation requirements for BA in Political Science – Pre-law.</p>	<p><b>Political Science - Pre-Law Option(120 Hours)</b></p> <p><del>24-30</del> hours in POL S and <u>18</u> hours in other disciplines required. <del>21-15</del> of the <u>24-30</u> <del>required</del> hours of <u>POL S</u> course work must be earned at WSU.</p> <p><b>First Year</b></p> <p><b>First Term</b> <b>Hours</b></p> <p>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] 4</p> <p><del>ENGLISH 101 [WRTG]</del> 3</p> <p>HISTORY 105 [ROOT] 3</p> <p><u>Humanities [HUM]</u> 3</p> <p>POL S 101 [SSCI] 3</p> <p>Quantitative Reasoning [QUAN] 3</p> <p><b>Second Term</b> <b>Hours</b></p> <p>ECONS 101 [SSCI] or ECONS 102 [SSCI] 3</p> <p><u>ENGLISH 101 [WRTG]</u> 3</p> <p><del>Humanities [HUM]</del> 3</p> <p>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] 4</p> <p>POL S 102 3</p> <p>Electives 3</p>	<p><b>8-14</b></p>

**Second Year*****First Term******Hours***

Creative & Professional Arts [ARTS]	3
CRM J 101( <u>recommended</u> ) or Elective	3
PHIL 201	3
POL S 103	3
Electives	3

***Second Term******Hours***

ENGLISH 201 [WRTG], or ENGLISH 301 [WRTG]	3
<u>H D 205 or COM 102</u>	<u>3</u>
<del>POL S [M] Course Elective</del>	<del>3</del>
<u>POL S 201</u>	<u>3</u>
POL S 300	3
<del>Public Speaking or Argumentation Elective</del>	<del>3</del>
Electives	4 <u>3</u>
Complete Writing Portfolio	

**Third Year*****First Term******Hours***

CRM J 320 or 420	3
300-400-level POL S Electives <sup>1</sup>	<u>3</u>
POL S 402	3
Electives	9 <u>5</u>

***Second Term******Hours***

POL S 404 [M]	3
<u>300-400-level</u> POL S Electives <sup>1</sup>	3
Electives	9

**Fourth Year*****First Term******Hours***

Diversity [DIVR]	3
300-400-level POL S Electives <sup>1</sup>	<u>3</u>
POL S 443	3
300-400-level Electives	6

***Second Term******Hours***

Integrative Capstone [CAPS]	3
<u>PHIL 470</u>	<u>3</u>
300-400-level Electives	12 <u>8</u>

**Footnotes**

<sup>1</sup> POL S electives must include [M] courses sufficient to provide student with two, if these have not been taken to fulfill other requirements in the major.

