Washington State University
MAJOR CHANGE FORM – REQUIREMENTS

NOTE: If proposing a **new** program (degree) or **extending, moving, consolidating, eliminating or renaming** an existing program (degree), these proposals must first go through the Provost's Office review process. Please do not use this form. Please contact the Provost's Office for directions on processing program (degree) proposals.

SUBMITTING PROPOSAL – Follow the steps on form, then:

- **Submit one electronic copy of complete packet of signed form/rationale statement/supporting documentation and/or edits** to wsu.curriculum@wsu.edu.
- Send the **original stapled packet** PLUS **10 stapled copies** of packet to the **Registrar's Office,** campus mail code 1035.

Department Name School of Electrical Engineering and Computer Science

1. Check proposed changes:

- ☐ New Plan (Major) *in* _____ CIP#___._____
- ☐ Change name of Plan (Major) *from* _____ *to* _____
- ☑ Revise certification requirements for the Plan (Major) *in* BA Computer Science
- ☑ Revise Plan (Major) requirements *in* BA Computer Science
- ☐ Drop Plan (Major) *in* _____

- ☐ New Sub-Plan (Option) *in* _____ CIP#___._____
- ☐ Change name of Sub-Plan (Option) from _____ *to* _____
- ☐ Revise requirements for the Sub-Plan (Option) *in* _____
- ☐ Drop Sub-Plan (Option) *in* _____

- ☐ New Minor *in* _____ CIP#___._____
- ☐ Change name of Minor from _____ *to* _____
- ☐ Revise Minor requirements *in* _____
- ☐ Drop Minor *in* _____

- ☐ New Certificate *in* _____ CIP#___._____
- ☐ Change name of Certificate from _____ *to* _____
- ☐ Revise Certificate requirements *in* _____
- ☐ Drop Certificate *in* _____

- ☐ Other _____

2. **Effective Date: Fall** 2016 (Effective date must be for future fall term.) ***Submission deadline is Oct 1st.***
NOTE: Items received after deadlines may be put to the back of the line or forwarded to the following year. Please submit on time.

Contact: Josh Whiting Phone number: 335-2446
Email: joshwhiting@wsu.edu Campus mail code: 2752

3. PLEASE ATTACH A RATIONALE STATEMENT giving the reasons for each request marked above, and explaining how this impacts other units in Pullman and other campuses (if applicable).

4. PROVIDE SUPPORTING DOCUMENTATION AND/OR CURRENT CATALOG COPY with edit marks showing requested changes.

5. SIGN AND DATE APPROVALS.

Chair Signature/date	Dean Signature/date	CSC Date	
Chair Signature/date	Dean Signature/date	AAC or GSC Date	Senate Date

RATIONALE

New programming courses taught in Java are being offered starting Fall 2016. These changes formalize how Java programming courses will be used to earn a degree in Computer Science.

Current Requirements

Students may apply for certification into the Bachelor of Arts in Computer Science degree program after completion of the following courses with a grade of C or better and a cumulative GPA of 2.5 or higher: CPT S 121, 122, 223; MATH 201, 202, 216; PHIL 201. MATH 171, 172 may be substituted for MATH 201, 202.

No courses listed in this schedule of study may be taken on a pass/fail basis. All listed E E and CPT S courses, required electives, and prerequisites to these courses must be completed with a grade of C or better.

First Year

First Term	Hours
CPT S 121	4
Creative & Professional Arts [ARTS]	3
HISTORY 105 [ROOT]	3
MATH 2011	3
PHIL 201 [QUAN]	3

Second Term	Hours
CPT S 122	4
ENGLISH 101 [WRTG]	3
MATH 2021	3
MATH 216	3
Social Sciences [SSCI][2]	3

Second Year

First Term	Hours
CPT S 223	3
CPT S 224	2
CPT S 260	3
MATH 212	4
Minor Elective[3]	3

Second Term	Hours
Biological Sciences [BSCI] with lab[4]	4
MATH Elective[1]	3
Minor Elective[3]	3
Physical Sciences [PSCI] with lab[4]	4
Complete Writing Portfolio	

Third Year

First Term	Hours
CPT S 322 [M]	3
CPT S 355	3
ENGLISH 402 [WRTG]	3
Minor Elective[3]	3
Science Elective[4]	4

Second Term	Hours
300-400-level Minor Elective[3]	3
Advanced Cpt S Elective[5]	3
CPT S 323	3
Diversity [DIVR]	3
Science Elective[4]	3

Fourth Year

First Term	Hours
300-400-level Minor Elective[3]	3
Advanced Cpt S Elective[5]	6
CPT S 422 [M]	3
Humanities [HUM]	3

Second Term	Hours
300-400-level Minor Elective[3]	3
Advanced CPT S Electives[5]	6
CPT S 302	3
Integrative Capstone [CAPS]	3
Complete Cpt S Exit Interview and Survey	

Footnotes

[1] 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.

[2] SOC 101 recommended.

[3] 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).

[4] 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. Electives include BIOLOGY 106, 107; CHEM 101, 102 or 105, 106; PHYSICS 101, 102 or 201, 202.

[5] 300-400-level advanced computer science electives must be chosen to contain advanced work in at least three separate computer science areas. 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.

Proposed Requirements

Students may apply for certification into the Bachelor of Arts in Computer Science degree program after completion of the following courses with a grade of C or better and a cumulative GPA of 2.5 or higher: CPT S 121, 122, 223 or 131, 132, 233; MATH 201, 202, 216; PHIL 201. MATH 171, 172 may be substituted for MATH 201, 202.

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First Year

First Term	Hours
CPT S 121 or 131[6]	4
Creative & Professional Arts [ARTS]	3
HISTORY 105 [ROOT]	3
MATH 2011	3
PHIL 201 [QUAN]	3

Second Term	Hours
CPT S 122 or 132[6]	4
ENGLISH 101 [WRTG]	3
MATH 2021	3
MATH 216	3
Social Sciences [SSCI][2]	3

Second Year

First Term	Hours
CPT S 223 or 233[6]	3
CPT S 224	2
CPT S 260	3
MATH 212	4
Minor Elective[3]	3

Second Term	Hours
Biological Sciences [BSCI] with lab[4]	4
MATH Elective[1]	3
Minor Elective[3]	3
Physical Sciences [PSCI] with lab[4]	4
Complete Writing Portfolio	

Third Year

First Term	Hours
CPT S 322 [M]	3
CPT S 355	3
ENGLISH 402 [WRTG]	3
Minor Elective[3]	3
Science Elective[4]	4

Second Term	Hours
300-400-level Minor Elective[3]	3
Advanced Cpt S Elective[5]	3
CPT S 323	3
Diversity [DIVR]	3
Science Elective[4]	3

Fourth Year

First Term	Hours
300-400-level Minor Elective[3]	3
Advanced Cpt S Elective[5]	6
CPT S 422 [M]	3
Humanities [HUM]	3

Second Term	Hours
300-400-level Minor Elective[3]	3
Advanced CPT S Electives[5]	6
CPT S 302	3
Integrative Capstone [CAPS]	3
Complete Cpt S Exit Interview and Survey	

Footnotes

[1] 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.

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[6] Students may choose between a C/C++ or Java programming path. Students should stick to one path.