Code # SM23 (2015)

**Bulletin / Banner Change Transmittal Form**

**Undergraduate Curriculum Council** Print 1 copy for signatures and save 1 electronic copy.

**Graduate Council** - Print 1 copy for signatures and send 1 electronic copy to [pheath@astate.edu](mailto:pheath@astate.edu)

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| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (If applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |

**1.Contact Person** (Name, Email Address, Phone Number)

Hung-Chi Su, [suh@astate.edu](mailto:suh@astate.edu), 680-8119

**2.Proposed Change**

Remove the foreign language requirement in the Department of Computer Science, and change the number of computer science electives for BA Computer Science.

**3.Effective Date**

Spring 2016

**4.Justification –** *Please provide details as to why this change is necessary.*

Foreign language requirements for the departments within the College of Science and Mathematics are in place at the college level. Abandonment of the requirements at the college-level means that individual departments within the college must specify what, if any, foreign language requirements should take their place.

Accordingly, the Department of Computer Science proposes the removal of all foreign language requirements for the BA Computer Science and BS Computer Science degree programs.

At the same time, removing the foreign language requirement provides the opportunity to bring the number of computer science electives for the BA in computer science in line with the number already required for the BS in computer science, which was itself established by surveying like programs at peer institutions.

**Bulletin Changes**

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| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)  - New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font).  - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)  *You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.*  *Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

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**Major in Computer Science**

**Bachelor of Arts**A complete 8-semester degree plan is available at http://registrar.astate.edu/.

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| --- | --- |
| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 41) |  |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| CS 1093, Making Connections - Computer Science | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 83)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *PHYS 2054, General Physics I*  *ECON 2313, Principles of Macroeconomics OR*  *ECON 2333, Economic Issues & Concepts*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **~~Language Requirement:~~** | **~~Sem. Hrs.~~** |
| *~~(Refer to p. 353 for foreign language requirements).~~* | ~~0-12~~ |
| **Major Requirements:** | **Sem. Hrs.** |
| CS 1114, Concepts of Programming | 4 |
| CS 2114, Structured Programming | 4 |
| CS 2124, OOP and Fundamental Data Structures | 4 |
| CS 3113, Algorithms and Advanced Data Structures | 3 |
| CS 3233, Operating Systems | 3 |
| CS 4113, Software Engineering | 3 |
| CS 4143, Java and Application Development | 3 |
| CS 4313, Computer Networks | 3 |
| CS 4543, Database Systems | 3 |
| ENG 3043, Technical Writing | 3 |
| MATH 2183, Discrete Structures | 3 |
| MATH 2204, Calculus I OR  MATH 2143, Business Calculus OR  MATH 2194, Survey of Calculus | 3-4 |
| PHIL 3723, Computers, Ethics, and Society | 3 |
| STAT 3233, Applied Statistics I | 3 |
| Computer Science Electives  CS 1013 may not be used to satisfy this requirement. MATH 4533 may be used to satisfy  this requirement | 12 |
| **Page 382 2015-2016 A-State Undergraduate Bulletin**  **Major in Computer Science**  **Bachelor of Arts** A complete 8-semester degree plan is available at http://registrar.astate.edu/. |  |
| Business Track (Select all of the courses in one of the following tracks):  Electronic Commerce Track  CIT 3353, Mobile and Web Applications Development  CIT 4453, Global E-Commerce  MKTG 3013, Marketing  GCOM 3673, Digital Publishing and Publication Design  Information Technology Track  CIT 2523, Telecommunications and Networking Essentials  CIT 4453, Global E-Commerce  CIT 4653, Automatic Data Capture  CIT 4853, IT Project Management  General Business Track  ACCT 2023, Fundamental Accounting Concepts  FIN 3713, Business Finance  LAW 2023, Legal Environment of Business  MGMT 3153, Organizational Behavior  MKTG 3013, Marketing | 12-15 |
| Sub-total | 69-73 |
| **Electives:** | **Sem. Hrs.** |
| Electives | 9-13 |
| **Total Required Hours:** | **120** |

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**Major in Computer Science**

**Bachelor of Science**A complete 8-semester degree plan is available at http://registrar.astate.edu/.

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| --- | --- |
| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 41) |  |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| CS 1093, Making Connections - Computer Science | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 83)  **Students with this major must take the following:**  *MATH 2204, Calculus I*  *PHYS 2034, University Physics I OR*  *PHYS 2073 AND 2071, Fundamental Physics and Laboratory*  *ECON 2313, Principles of Macroeconomics OR*  *ECON 2333, Economic Issues & Concepts*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **36** |
| **~~Language Requirement:~~** | **~~Sem. Hrs.~~** |
| *~~(Refer to p. 353 for foreign language requirements).~~* | ~~0-6~~ |
| **Major Requirements:** | **Sem. Hrs.** |
| CHEM 1013 AND CHEM 1011, General Chemistry I and Laboratory | 4 |
| CS 2114, Structured Programming | 4 |
| CS 2124, OOP and Fundamental Data Structures | 4 |
| CS 3113, Algorithms and Advanced Data Structures | 3 |
| CS 3123, Programming Languages | 3 |
| CS 3223, Computer Organization | 3 |
| CS 3233, Operating Systems | 3 |
| CS 4113, Software Engineering | 3 |
| CS 4143, Java and Application Development | 3 |
| CS 4543, Database Systems | 3 |
| CS 4713, Analysis of Algorithms | 3 |
| EE 3333, Digital Electronics I | 3 |
| ENG 3043, Technical Writing | 3 |
| MATH 2183, Discrete Structures | 3 |
| MATH 2214, Calculus II | 4 |
| MATH 3243, Linear Algebra | 3 |
| PHIL 3723, Computers, Ethics, and Society | 3 |
| PHYS 2044, University Physics II OR  PHYS 2083 AND 2081, Fundamental Physics II and Laboratory | 4 |
| STAT 3233, Applied Statistics I | 3 |
| Computer Science Electives  CS 1013 may not be used to satisfy this requirement. MATH 4533 may be used to satisfy  this requirement | 12 |
| Sub-total | 74 |
| **Electives:** | **Sem. Hrs.** |
| Electives | 7 |
| **Total Required Hours:** | **120** |