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**Bulletin / Banner Change Transmittal Form**

**[X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

Email completed proposals to curriculum@astate.edu for inclusion in curriculum committee agenda.

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| E. T. Hammerand | 4/8/2017 |

**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Hung-Chi Su | 4/8/2017 |

**Department Chair:**  |

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**Head of Unit (If applicable)**   |
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| David Gilmore | 4/28/2017 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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| John M. Pratte | 4/14/2017 |

**College Dean** |

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**Graduate Curriculum Committee Chair** |
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**General Education Committee Chair (If applicable)**   |

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**Vice Chancellor for Academic Affairs** |

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

E. T. Hammerand, hammerand@astate.edu, 680.8109

**2.Proposed Change**

Addition of EE 3331 to the major requirements of the Bachelor of Science in Computer Science

**3.Effective Date**

Fall 2017

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

This addition reflects change to course requirement in the Electronic Engineering Program.

**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.* |

2016 – 2017 Bulletin, page 402:

**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 **and EE 3331, Laboratory** ~~3~~ 4

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 4

PHYS 2083 AND 2081, Fundamental Physics II and Laboratory

STAT 3233, Applied Statistics I 3

Computer Science Electives 12

 CS 1013 and CS 1114 may not be used to satisfy this requirement. MATH 4533 may be

 used to satisfy this requirement

Sub-total ~~74~~ 75

**Electives: Sem. Hrs.**

Electives ~~7~~ 6

**Total Required Hours:** 120