Code # SM26 (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)

Jie Miao, [jmiao@astate.edu](mailto:jmiao@astate.edu), 870-680-8168

**2.Proposed Change**

Remove the foreign language requirement in the Department of Mathematics and Statistics.

**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 Mathematics and Statistics proposes the removal of all foreign language requirements for the BS Mathematics degree program. The requirement for elective hours for the degree program is changed from 23-29 to 29.

**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 Mathematics**

**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.** |
| MATH 1093, Making Connections - Mathematics | **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*  *Twelve hours in Social Sciences (Required Departmental Gen. Ed. Option), including one of the following:*  *ANTH 2233, Introduction to Cultural Anthropology*  *GEOG 2613, Introduction to Geography*  *HIST 1013, World Civilization to 1660*  *HIST 1023, World Civilization since 1660* | **36** |
| **~~Language Requirement:~~** | **~~Sem. Hrs.~~** |
| *~~(Refer to p. 353 for foreign language requirements).~~* | ~~0-6~~ |
| **Major Requirements:** | **Sem. Hrs.** |
| CS 2114, Structured Programming | 4 |
| MATH 2183, Discrete Structures | 3 |
| MATH 2214, Calculus II | 4 |
| MATH 3254, Calculus III | 4 |
| MATH 3243, Linear Algebra | 3 |
| MATH 3303, Modern Algebra I | 3 |
| MATH 4403, Differential Equations | 3 |
| MATH 4553, Advanced Calculus I | 3 |
| PHYS 2044, University Physics II | 4 |
| STAT 3233, Applied Statistics I | 3 |
| STAT 4453, Probability and Statistics I | 3 |
| **Select one of the following:**  MATH 4423, Modern Algebra II  MATH 4563, Advanced Calculus II  STAT 4463, Probability and Statistics II | 3 |
| **Mathematics or Statistics Electives (select four of the following):**  MATH 3273, Applied Complex Analysis  MATH 3323, Mathematical Modeling  MATH 3343, College Geometry  MATH 3353, History of Mathematics  MATH 4423, Modern Algebra II  *If not taken to satisfy Major Requirements*  MATH 4513, Applied Mathematics  MATH 4533, Numerical Methods  MATH 4563, Advanced Calculus II  *If not taken to satisfy Major Requirements*  STAT 4463. Probability and Statistics II  *If not taken to satisfy Major Requirements* | 12 |
| **Sub-total** | **52** |
| **Electives:** | **Sem. Hrs.** |
| Electives (Eight hours must be upper-level) | **~~23-~~29** |
| **Total Required Hours:** | **120** |