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| For Academic Affairs and Research Use Only | |
| Proposal Number | ECS21 |
| CIP Code: |  |
| Degree Code: |  |

**Program Modification Form**

**[x] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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| **Modification Type: [ ]Admissions, [ ]Curricular Sequence, or [x]Other** |

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

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| |  |  | | --- | --- | | Jason Stewart | 3/23/2022 |   **Department Curriculum Committee Chair** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **COPE Chair (if applicable)** |
| |  |  | | --- | --- | | Yeonsang Hwang | 3/25/2022 |   **Department Chair** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Head of Unit (if applicable)** |
| |  |  | | --- | --- | | Jason Stewart | 3/25/2022 |   **College Curriculum Committee Chair** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Undergraduate Curriculum Council Chair** |
| |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Director of Assessment** *(only for changes impacting assessment)* | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Graduate Curriculum Committee Chair** |
| |  |  | | --- | --- | | Abhijit Bhattacharyya | 3/25/2022 |   **College Dean** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Vice Chancellor for Academic Affairs** |
| |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **General Education Committee Chair (if applicable)** |  |

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

Jason Stewart, [jstewart@astate.edu](mailto:jstewart@astate.edu), 972-3226

1. **Proposed Change** (for undergraduate curricular changes please provide an 8-semester plan (appendix A), if applicable)

Clean up the language in the undergraduate bulletin that identifies engineering programs (including where they are taught and accreditation status). The different programs of study for the College of Engineering and Computer Science also need to be identified more clearly along with the administrative structure. No curricular changes are being proposed.

1. **Effective Date**

Fall 2022

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

Current language is confusing and cumbersome – the result of additions and modifications through the years in pieces without an overall consideration of clarity for all. The addition of the Queretaro campus has also necessitated this need for accreditation purposes for engineering programs.

**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. Please include a before (with changed areas highlighted) and after of all affected sections.**  **\*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.** |

From page 185 of 2021/22 bulletin (current):

**PROGRAMS OF STUDY**

The College of Engineering and Computer Science offers undergraduate degree programs in a broad spectrum of areas, including a Bachelor of Arts and a Bachelor of Science in Computer Science; a Bachelor of Science in Civil Engineering degree; a Bachelor of Science in Data Science and Data Analytics; a Bachelor of Science in Electrical Engineering degree; a Bachelor of Science in Engineering Management Systems; a Bachelor of Science and an Associate of Science in Engineering Technology a Bachelor of Science and Associate of Applied Science in Land Surveying and Geomatics; and a Bachelor of Science in Mechanical Engineering degree. Minors are available in Computer Science, Electrical Engineering, Land Surveying and Geomatics, and Renewable Energy Technology. Two undergraduate certificates in Data Analytics and Controls and Automation are also available.

The College of Engineering and Computer Science grants a wide-range of master’s degree programs (M.E.M., M.S., M.S.E., M.S.Engr.) and multiple graduate certificates. For further information, see A-State’s Graduate Bulletin.

From an administrative standpoint, the college is comprised of one department and five programs:

Department of Computer Science

Program for Civil Engineering

Program for Electrical Engineering

Program for Engineering Management Systems

Program for Engineering Technology

Program for Mechanical Engineering

See next page for edits.

NEW:

**PROGRAMS OF STUDY**

The College of Engineering and Computer Science offers a broad spectrum of undergraduate degrees, certificates, and minors. The Jonesboro campus supports the following undergraduate programs.

Civil Engineering, Bachelor of Science in Civil Engineering (B.S.C.E.)

Computer Science, Minor, Bachelor of Arts, Bachelor of Science (minor, B.A., B.S.)

Construction Management, Bachelor of Science (B.S.)

Controls and Automation, Certificate

Data Analytics, Certificate

Data Science and Data Analytics, Bachelor of Science (B.S.)

Electrical Engineering, Minor, Bachelor of Science in Electrical Engineering (minor, B.S.E.E.)

Engineering, Minor

Engineering Management Systems, Bachelor of Science (B.S.)

Engineering Technology, Associate of Science, Bachelor of Science (A.S., B.S.)

Land Surveying and Geomatics, Minor, Associate of Applied Science, Bachelor of Science (minor, A.A.S., B.S.)

Mechanical Engineering, Bachelor of Science in Mechanical Engineering (B.S.M.E.)

Renewable Energy Technology, Minor

The College of Engineering and Computer Science offers two undergraduate engineering programs through its campus in Queretaro, Mexico.

Electrical Systems Engineering, Bachelor of Science (B.S.)

Mechanical Systems Engineering, Bachelor of Science (B.S.)

The College of Engineering and Computer Science grants a wide range of master’s degree programs (M.E.M., M.S., M.S.E., and M.S.Engr.) and multiple graduate certificates. For further information, see A-State’s Graduate Bulletin.

**ADMINISTRATIVE STRUCTURE**

The College of Engineering and Computer Science is comprised of one department and five programs:

Department of Computer Science

Program for Civil Engineering

Program for Electrical Engineering

Program for Engineering Management

Program for Engineering Technology

Program for Mechanical Engineering

The Construction Management and Engineering Management Systems programs are part of the Engineering Management administrative unit, the Land Surveying and Geomatics program is part of the Civil Engineering administrative unit, and the Data Science and Data Analytics program is administered by the Dean’s Office. The academic programs in Mechanical Systems Engineering and Electrical Systems Engineering are administered by Arkansas State University, Campus Queretaro.

From page 198 of 2021/22 bulletin (current):

Engineering offers three undergraduate academic programs: Civil Engineering, Electrical Engineering, and Mechanical Engineering. All prerequisite engineering, mathematics, and science courses for all engineering degrees must be completed with a grade of “C” or better before attempting the subsequent engineering courses. Also, each course in the Engineering Core Curriculum must be completed with a grade of “C” or better. In addition to the University requirements for all baccalaureate degrees, all engineering degrees require that one of the two following conditions be met: (1.) “C” or better in each course in the major requirements or (2.) 2.5 or greater grade point average in the major requirements.

NEW:

Engineering offers three undergraduate academic programs through the Jonesboro campus: Civil Engineering, Electrical Engineering, and Mechanical Engineering. Two undergraduate academic programs are offered through the campus in Queretaro, Mexico: Electrical Systems Engineering and Mechanical Systems Engineering. All prerequisite engineering, mathematics, and science courses for all engineering degrees must be completed with a grade of “C” or better before attempting the subsequent engineering courses. Also, each course in the Engineering Core Curriculum must be completed with a grade of “C” or better. In addition to the University requirements for all baccalaureate degrees, all engineering degrees require that one of the two following conditions be met: (1.) “C” or better in each course in the major requirements or (2.) 2.5 or greater grade point average in the major requirements.