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

**Program Modification Form**

**[ ] Undergraduate Curriculum Council**

**[X] 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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| |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Department Curriculum Committee Chair** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **COPE Chair (if applicable)** |
| |  |  | | --- | --- | | Brandon Kemp | 3/1/2021 |   **Department Chair** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Head of Unit (if applicable)** |
| |  |  | | --- | --- | | Brandon Kemp | 3/1/2021 |   **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 | 3/1/2021 |   **College Dean** | |  |  | | --- | --- | | Alan Utter | 4/2/2021 |   **Vice Chancellor for Academic Affairs** |
| |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **General Education Committee Chair (if applicable)** |  |

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

Brandon Kemp

[bkemp@asate.edu](mailto:bkemp@asate.edu)

870.253.7370

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

New Accelerated Option for Master of Science in Engineering

An accelerated option is proposed for the Master of Science in Engineering. This proposal applies to the degree Master of Science in Engineering and all Emphasis Areas within the degree program (e.g. Civil Engineering, Electrical Engineering, and Mechanical Engineering).

Students admitted to the Accelerated Master of Science in Engineering program must be enrolled in an undergraduate engineering program (BSCE, BSEE, or BSME) and meet the university requirements given on pgs. 24-25 of the 2020-21 Graduate Bulletin.

Accelerated students may enroll in any course counting toward the Master of Science in Engineering degree as long as specified course prerequisites are met. A student enrolled in the Accelerated Master of Science in Engineering program may take up to 12 hours of graduate credits and apply up to 12 hours of graduate credits toward completion of the undergraduate degree.

1. **Effective Date**

8/1/2021

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

The proposal allows undergraduate engineering students working toward an undergraduate engineering degree to enroll in the Master of Science in Engineering (M.S. Engr.) program while completing the undergraduate degree. It will reduce the time for engineers to complete a master’s level degree in engineering. It is expected to increase enrollment in the research thesis-based M. S. Engr. program and produce more engineers with advanced training, which positively impacts economic development in the region.

**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.** |

Added text highlighted in blue.

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**ADMISSION AS AN UNDERGRADUATE INTO AN ACCELERATED MASTERS PROGRAM**

The accelerated master’s degree option provides a transition that enables outstanding A-State undergraduate students to begin taking graduate course work in their junior or senior year by combining components of the undergraduate and graduate curriculum. Students admitted into an approved accel­erated master’s degree program may have a limited number of graduate level courses counted toward both the undergraduate and graduate degree. Students must apply and be admitted to the accelerated master’s program by the department before enrolling for any courses to apply to the graduate degree. A-State graduate programs offering an accelerated option are listed below:

* Accounting (M.Acc.)
* Agriculture (M.S.A.) - All Concentrations
* Chemistry (M.S.)
* Computer Science (M.S.)
* Disaster Preparedness and Emergency Management (M.S.)
* Engineering (M.S.Engr.)
* History (M.A.)
* Political Science (M.A.)
* Public Administration (M.P.A.)
* Special Education – Instructional Specialist Grades K-12 (M.S.E.)

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**MSEngr ADMISSION REQUIREMENTS**

Each applicant must have an undergraduate GPA of at least 2.75 on a 4.00 scale and a bache­lor’s degree in engineering. Applicants that do not have a bachelor’s degree in engineering, for example those having a bachelor’s degree in physics, or those having an undergraduate GPA below 2.75, will be considered on a case-by-case basis and must show equivalent experience and training and have com­pleted the required pre-requisites for the courses. Applicants must present Graduate Record Examina­tion (GRE) scores for the Verbal, Quantitative, and Analytical tests. The minimum combined Verbal and Quantitative reasoning scores must be 300 for the revised GRE test or equivalent scores for general GRE. Applicant not having completed GRE scores may be admitted conditionally, but must complete this requirement prior to finishing the first semester of course work. Applications submitted throughout the year for the following semester and in accordance to Graduate Admissions deadlines will be con­sidered based on qualification and space availability. All application materials must be received by the College of Engineering and Computer Science during the semester prior to the student’s official enroll­ment in A-State courses. Official transcripts, two letters of recommendation, a resume, and a statement of purpose not exceeding three pages are also required for admission. International students require additional proof of English proficiency to meet the admission requirements of Graduate Programs.

**MSEngr APPLICATION DEADLINES**

Application deadline is April 1st each year to begin study in the Fall semester and October 1st each year to begin study in the Spring semester. Applications are not accepted for Summer admissions.

**ACCELERATED MASTERS PROGRAM**

Undergraduate students seeking admission into the Accelerated Master of Science in Engineering program must meet the admission requirements of Graduate Admissions. In addition, applicants must be enrolled in one of the following undergraduate engineering degrees: Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, or Bachelor of Science in Mechanical Engineering.

**MSEngr DEGREE REQUIREMENTS**

The number of semester credit hours for the M.S.E. degree is 30. Students are required to com­plete two core courses (ENGR 6023, 6043) for 6 semester credit hours, a minimum of three 6000 level graduate engineering elective courses for 9 credit hours, two additional approved graduate elective courses for 6 credit hours, one research course (ENGR 6693) for 3 credit hours, and two semesters of thesis research for 6 credit hours. The MSE curriculum is structured as a two-year program (four semesters).

**Appendix A, 8-Semester Plan**

(**Referenced in #2** - **Undergraduate Proposals Only)**

*Instructions: Please identify new courses in italics*.

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| **Arkansas State University-Jonesboro**  **Degree:**  **Major:**  **Year:** | | | | | | | | |
| Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. **Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters.** A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree. | | | | | | | | |
| **Year 1** | | | |  | **Year 1** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
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| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
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| **Year 3** | | | |  | **Year 3** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
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| **Total Hours** |  |  |  |  | **Total Hours** |  |  |  |
| **Year 4** | | | |  | **Year 4** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
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| **Total Hours** |  |  |  |  | **Total Hours** |  |  |  |
| **Total Jr/Sr Hours \_\_\_ Total Degree Hours \_\_\_** | | | | | | | | |
| **Graduation Requirements:** | | | | | | | | |