Code # AG18 (2014)

**Program and/or Course Deletion Proposal-Bulletin 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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| --- |
| **Program and/or Course Deletion**  Please complete the following and attach a copy of the catalogue page(s) showing what changes are necessary. |

|  |  |
| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 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. Program and/or Course Title, Prefix and Number**

Bachelor of Science, Emphasis in Manufacturing - Industrial

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

Rajesh Sharma, [rsharma@astate.edu](mailto:rsharma@astate.edu), 2270

**3. Last semester student can graduate with this degree and/or last semester course will be offered**

Summer 2016

**4. Student Population**

a. The program and/or course was initially created for what student population?

This emphasis area was created for TECH majors interested in manufacturing.

b. How will deletion of this program and/or course affect those students?

Currently, there are 3 active students enrolled in this emphasis. All of them will graduate by 2016.

**5.**

**a. How will this affect the department?**

It will not affect the department since we never had any substantial enrollment in this emphasis area.

**b. Does this program and/or course affect another department?**  No

**c. If yes, please provide contact information from the Dean, Department Head, and/ or Program Director whose area this affects.**

Enter text...

**6. (For courses only) Will another course be substituted?**  Yes/No

**If yes, what course?**

Enter text...

**Technology Program**

**BACHELOR OF SCIENCE DEGREE**

The Bachelor of Science degree with a major in Technology offers five emphasis areas: *Technical Studies, Technology Management, Computer Aided Drafting and Design, and Manufacturing-Industrial Technology.* Each program will be tailored to meet the needs of the career specifications designated by the student.

The ***Technical Studies*** option is designed to permit the student to tailor a program in accordance

with his/her specific interests for which a traditional baccalaureate degree is not attainable.

Students who have successfully completed some of the degree requirements in an occupational

environment may continue their education under this educational umbrella.

The ***Technology Management*** option is designed to prepare a student to apply theories, per- ceptions, and principles established in the humanities and social and behavioral sciences, as well as sound business practices in a technology-oriented environment. Graduates with this emphasis will serve as liaison between manufacturing or industrial production and the administrators of a company. Consequently, a sound understanding of the basic principles of business, personnel management, and management techniques will be mandatory.

~~The~~ ***~~Manufacturing-Industrial Technology~~*** ~~option is focused to develop and train qualified personnel capable of directing the production, distribution, and management of products and services. Graduates with this emphasis will serve as liaison between manufacturing or industrial production and the administrators of the company. Consequently, a sound understanding of the basic principles of business, personnel management, and management techniques will be mandatory.~~

~~The student, upon completion of the program, will have the ability to apply the principles of math- ematical and physical sciences as related to technology, in the manufacturing-industrial setting.~~

The ***Computer Aided Drafting and Design*** option is focused to develop and train qualified personnel in the use of computer aided technology for designing objects, real or virtual. The design of geometrics models using parametric procedures, using driven dimension, and tolerances. These procedures in CAD, will allow students the ability to apply the principles in manufacturing settings. Graduates with this emphasis will serve all manufacturing clients such as Civil, Mechanical, Electrical, and Industrial engineering groups.

Prior Learning Assessment is a program that enables students to earn college credit for learning acquired outside of the traditional college classroom. Seminars are provided to assist students in the development of prior learning portfolios. Upon completion of the assessment process, up to 25 percent of the degree requirements may be awarded using TECH 3721-9, Technical Career Subjects and/or TECH 1891-9, Occupational Studies Credit.

Students who are graduates of two-year occupational programs may be considered as candidates to enroll in the Bachelor of Science - Technology degree program.

The Bachelor of Science - Technology degree is accredited by the Higher Learning Commission.

The bulletin can be accessed at <http://www.astate.edu/a/registrar/students/>

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**~~Major in Technology~~**

**~~Bachelor of Science~~**

**~~Emphasis in Manufacturing - Industrial~~**

~~A~~ [~~complete 8-semester degree plan is available at http://registrar.astate.edu/.~~](http://registrar.astate.edu/)

|  |  |
| --- | --- |
| **~~University Requirements:~~** |  |
| ~~See University General Requirements for Baccalaureate degrees (p. 41)~~ |  |
| **~~First Year Making Connections Course~~** | **~~Sem. Hrs.~~** |
| ~~AGRI 1213, Making Connections in Agriculture~~ | **~~3~~** |
| **~~General Education Requirements:~~** | **~~Sem. Hrs.~~** |
| ~~See General Education Curriculum for Baccalaureate degrees (p. 84)~~  **~~Students with this major must take the following:~~**  *~~MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite~~*  *~~COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)~~* | **~~35~~** |
| **~~Major Requirements:~~**  ~~Grade of “C” or better required for all Major Requirements~~ | **~~Sem. Hrs.~~** |
| ~~CIT 3013 Management Information Systems~~ | ~~3~~ |
| ~~ENG 3043, Technical Writing~~ | ~~3~~ |
| ~~MGMT 3153, Organizational Management~~ **~~OR~~**  ~~Sociology Elective~~ **~~OR~~**  ~~Psychology Elective~~ | ~~3~~ |
| ~~RET 3113, Fund. Applications of Renewable Energy~~ | ~~3~~ |
| ~~TECH 3773, Statistics~~ | ~~3~~ |
| ~~TECH 3863, Industrial Safety~~ | ~~3~~ |
| ~~TECH 4813, Operations Systems Research~~ | ~~3~~ |
| ~~TECH 4823, Quality Assurance~~ | ~~3~~ |
| ~~TECH 4853, Lean 6 Sigma for Manufacturing~~ | ~~3~~ |
| ~~TECH 4883, Work Center Management~~ | ~~3~~ |
| **~~Sub-total~~** | **~~30~~** |
| **~~Emphasis Area (Manufacturing - Industrial):~~**  ~~Grade of “C” or better required for all Emphasis Area Requirements~~ | **~~Sem. Hrs.~~** |
| ~~TECH 2863, Principles of Technology~~ | ~~3~~ |
| ~~TECH 3803, Electrical Systems~~ | ~~3~~ |
| ~~TECH 3823, Mechanics I~~ | ~~3~~ |
| ~~TECH 3883, Machine Design~~ | ~~3~~ |
| ~~TECH 3843, Manufacturing Materials & Processes~~ | ~~3~~ |
| ~~TECH 3873, Tool Design~~ | ~~3~~ |
| ~~TECH 3813, Programmable Logic Control~~ | ~~3~~ |
| ~~TECH 4843, Labor Relations~~ | ~~3~~ |
| ~~TECH 4873, Motion and Time Study~~ | ~~3~~ |
| ~~Technology Electives~~ | ~~12~~ |
| **~~Sub-total~~** | **~~39~~** |
| **~~Electives:~~** | **~~Sem. Hrs.~~** |
| ~~Electives~~ | **~~13~~** |
| **~~Total Required Hours:~~** | **~~120~~** |