

1-27-2006

SR-05-06-(11) 56-113 CC

Marshall University

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**CURRICULUM COMMITTEE  
RECOMMENDATION**

**SR-05-06-(11) 56-113 CC**

Recommends approval of the listed **CURRICULUM ACTION REQUESTS** for the **COLLEGE OF INFORMATION TECHNOLOGY & ENGINEERING**:

Action Requested: Addition of a Bachelor of Science in Engineering

Department: Engineering and Computer Science

Rationale: CITE is proposing the addition of a BSE major with the primary objectives being 1) to build a strong foundation in mathematics, science, and in core engineering courses; 2) to allow students the ability to pursue an engineering areas of emphasis; and 3) to provide students a high degree of flexibility through elective courses. The curriculum illustrates these objectives by requiring, in addition to basic mathematics, science, and Marshall Plan courses, 32 credits in core engineering courses, 27 credits in an engineering area of emphasis, and 15 credits taken as technical or free electives.

Curriculum: MTH 229, 230, 231, 335, 345; ENG 101, 102; UNI 101, CHM 211/217; PHY 211/202, 213 or CHM 212; ENGR 107, 111, 201, 213, 214, 216, 218, 221, 354; Marshall Plan Electives (9 hours); Engineering Emphasis (28 hours); Engineering Materials (3 hours); Technical Electives (9 hours); Free Electives (6 hours); and Senior Seminar/Projects (4 hours) for a total of 129 hours.

New Resources Required: None

Statement of Non-duplication: This major does not duplicate any existing programs.

Action Requested: Addition of an Area of Emphasis, Civil Engineering, within the Bachelor of Science in Engineering

Department: Engineering and Computer Science

Rationale: CITE is proposing the addition of a BSE Civil Engineering Area of Emphasis with the primary objectives being 1) to build a strong foundation in mathematics, science, and in core engineering courses; 2) to allow students the ability to pursue an engineering areas of emphasis; and 3) to provide students a high degree of flexibility through elective courses. The first area of emphasis to be implemented will be civil engineering, which meshes well with the collaborative agreement currently in place with WVU-Tech who is offering its accredited Bachelor of Science in Civil Engineering degree on Marshall's campus. Based upon surveys of past and currently enrolled freshman engineering students, we project graduating between 15-20 students per year from the BSE/Civil program.

Curriculum: MTH 229, 230, 231, 335, 345; ENG 101, 102, 354; Marshall Plan Elective (9 hours); UNI 101; CHM 211/217, ENGR 107, 111, 201, 213, 214, 216, 218, 221, 241; PHY 211/202, 213 or CHM 212; GLY 200; CVLE 212, 321, 322, 342, 413, 431, 432, 452, 453; Technical Elective (9 hours); and Free Electives (6 hours) for a total of 129 hours.

New Resources Required: None

Statement of Non-duplication: This area of emphasis does not duplicate any existing programs.

**FACULTY SENATE CHAIR:**

APPROVED BY THE  
FACULTY SENATE:

Larry Stibler DATE: 1/27/2006

DISAPPROVED BY THE  
FACULTY SENATE:

DATE: \_\_\_\_\_

**UNIVERSITY PRESIDENT:**

APPROVED: \_\_\_\_\_ DATE: 1/31/06

DISAPPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**COMMENTS:** \_\_\_\_\_

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