



MARSHALL'S STRATEGIC VISION - *Our Bold Constellation for the Future*

Status Update for: Complete the Necessary Steps to Establish a 4-year, ABET-accredited Engineering Degree



Overview

The Weisberg Division of Engineering and Computer Science continues its planning for an ABET (Accreditation Board for Engineering and Technology) visit in fall 2009, for the Bachelor of Science in Engineering degree. In preparation, the following activities are underway:

- A BSE Advisory Board has been created, consisting of representatives from major engineering employers throughout the state, region, and county, including Toyota, CSX, US Army Corps of Engineers, [Chesapeake Energy](#), State Electric Company, Dow, JH Fletcher Equipment Company, and others. Advisory board members meet regularly for working sessions, and are active participants in curriculum planning and development. Board members also will play an important role in the ABET visit and in the ongoing assessment and updating of the program after accreditation.
- BSE program faculty are working on preparation of the ABET self-study, and assembling required course materials and student portfolios.
- Curriculum additions and changes continue to be implemented, based on joint recommendations of program faculty and the advisory board. The latest curriculum changes required before the ABET visit were approved by the faculty senate curriculum committee in April.
- A detailed assessment plan, based on previously adopted programmatic objectives and learning outcomes, is in the final stages of development. Work on course assessment plans is ongoing.
- Construction of the [engineering lab building](#) and purchase of associated laboratory and office equipment is proceeding on schedule for use in the fall of 2008. The [Engineering Lab](#) announcement was made in April of 2007.
- Formal notice and request for an on-site visit will be submitted to ABET in January 2009 (as required for a fall 2009 visit), followed by required submission of the self-study in June, 2009. Throughout this period, [CITE](#) administrators and faculty will participate in a number of ABET meetings, workshops, and conferences.

Some other developments of note:

To learn more visit this Strategic Initiative at:
<http://www.marshall.edu/president/strategic/EngineeringSchool.asp/>

- The first group of the new Bachelor of Science in Computer Science students graduated in May 2008.
- The eighth annual “Exploring Engineering: Academy of Excellence,” a residential summer camp for high school students interested in engineering, took place in June 2008. The camp is free to participating students due to the support of the [Rahall Transportation Institute](#), [Marshall University](#), [WV EPSCoR](#), Kanawha Stone Company, and other private sector sponsors.
- On April 25-26, the [West Point Bridge statewide competition](#) took place on Marshall’s campus. Using software developed by the United States Military Academy at West Point, teams of students throughout the state used software to virtually design, build, and strength-test bridges. The program is funded by the Rahall Transportation Institute, the West Virginia Department of Transportation, and the West Virginia Department of Education.