

**Chemical and Biological Engineering  
Summary of Actions  
2016-17**

Concern	Recommendation	Action	Follow-up
1. A number of students have requested a program in biomedical engineering.	The faculty recommended that a minor in Biomedical Engineering be explored. A committee was formed, and at the end of 2016, the Montana Board of Regents approved a Biomedical Engineering minor.	The Biomedical Engineering minor has been included in the 2017-18 catalog and efforts to promote the minor on various websites has been initiated.	The number of students that pursue the Biomedical Engineering minor will be tracked along with retention and enrollment in key, required courses for the minor.
2. The Department Advisory Committee was concerned will the limited amount of industrial experience for the current faculty.	A new faculty search was initiated soon after the DAC meeting, and an emphasis was placed on hiring someone with industrial experience.	A new faculty member has been appointed for next year who has over 20 years of industrial experience as well as a Ph.D. from one of the top Chemical Engineering graduate programs in the world.	The next challenge will be retaining both the new faculty member and funding for the position.
3. Students expressed concern about the amount of work required outside of lecture for EGEN 102, a 2-credit course.	The instructor recommended expanding the course to 3-credits and the recommendation was supported by the faculty.	A course change request/proposal was submitted in September of 2016 and approved in time for the Spring 2017 semester.	The initial results were promising as student success in the course increased, presumably due to the expanded lecture time and increase in recitation time. Student success (i.e., pass rate) will continue to be tracked.
4. An examination of best practices at other universities for teaching material and energy balances (ECHM 201) showed that many universities	The faculty recommended adding a recitation (or help session) to the course that would be taught by graduate teaching assistants, and the faculty recommended increase the course to 4-credits.	A course change request/proposal as well as additional funding for graduate teaching assistants was submitted and approved.	The student success rate and student retention in ECHM 201 will be tracked in the hope that both improve due to the addition of a recitation.

have a recitation or help session as part of the course.			
5. Proposed changes by ABET to the student outcomes may lead to a change in assessment requirements.	The department head recommended that new student work examples be identified for future assessment based on the proposed changes.	New student work examples and new outcomes matrix were developed by the entire faculty based on the proposed ABET changes.	The new plan will only be implemented if ABET approves the new student outcomes in July, 2017.