VII. STANDING COMMITTEES

A. Academic and Student Affairs Committee

Department of Bioengineering – Establishment of the Master of Applied Bioengineering Degree

RECOMMENDED ACTION

It is the recommendation of the administration and the Academic and Student Affairs Committee that the Board of Regents grant authority to the graduate faculty of the Department of Bioengineering at the University of Washington, Seattle, WA to offer the Master of Applied Bioengineering (MAB) degree program, effective Autumn Quarter 2016. The degree program will have provisional status with a review to be conducted by the Graduate School in the 2021-2022 academic year. At such time that continuing status is granted, a ten-year review cycle would begin.

BACKGROUND

In December 2014, the Graduate School received a Planning Notice of Intent (PNOI) from the graduate faculty of the Department of Bioengineering to offer a Master of Applied Bioengineering. The Department submitted a full proposal in June 2015, requesting authority to offer the Master of Applied Bioengineering degree program. An enrollment of 8 FTE is proposed for the first year, with 25 FTE in year five of the degree program. The program will require 55 course credits for degree completion.

The Department has requested a new tuition category for the MAB program. It is anticipated that a one-year project based, high-quality and intensive education experience will provide prospective students an attractive, efficient and affordable option in a high nationally ranked department.

The design course content of the program is focused on engineering principles for medical technology innovation. A combination of clinical, business, design, and technology knowledge is central to the program. It will provide students with an emphasis on entrepreneurship and business plan development, and didactic coursework in a technical subspecialty within bioengineering, such as Medical Imaging, Biomaterials, Molecular Bioengineering, and Technology for Expanding Access to Healthcare.

The Master of Applied Bioengineering proposal was evaluated by faculty with expertise in the field from the Department of Bioengineering at Rice University, Houston, TX, and a chief scientific officer in a biotechnology firm in Seattle, WA. The evaluators noted that the program responds to a growing demand for such a program in the field. They identified strengths of the proposal and provided
VII. STANDING COMMITTEES

A. Academic and Student Affairs Committee

Department of Bioengineering – Establishment of the Master of Applied Bioengineering Degree (continued p. 2)

faculty constructive criticism regarding areas in which the degree program could be strengthened.

On October 15, 2015, the Graduate School Council recommended unanimously that the proposal for the Master of Applied Bioengineering be forwarded to the Board of Regents for approval.

The College of Engineering Dean, the School of Medicine Vice Dean for Research and Graduate Education, the Vice Provost and Dean of the Graduate School, and the Interim Provost have reviewed and approved this recommendation for the proposed Master of Applied Bioengineering.

Attachment
New Graduate Degree Proposal – UW Seattle
New Graduate Degree Proposal – UW Seattle

IDEA STAGE
Conversations with:
• Faculty/Deans/Chancellors;
• PCE (fee based programs);
• Office of Planning & Budgeting & Provost office;
• Other stakeholders.

PLANNING NOTICE OF INTENT (PNOI)
• Faculty lead contacts the Office of Academic Affairs and Planning (OAAP) in the Graduate School for proposal guidelines;
• Submit PNOI to OAAP.

PNOI COMMENT PERIOD
• 10 day stakeholder comment period (all three campuses);
• includes UW Libraries, Registrar’s Office and GEMS.

EXTERNAL REVIEW
• Unit submits revised proposal to OAAP;
• OAAP sends proposal to external reviewers;
• Unit responds to reviewers’ comments.

FULL PROPOSAL DEVELOPMENT
• Addresses stakeholders feedback;
• Includes tuition tier (state-funded programs) or draft of MOA (fee based programs);
• Unit contacts Student Financial Aid;
• Submit preliminary draft to OAAP for review and comment.

GRADUATE SCHOOL
• Graduate School Dean authorizes proposal development

GRADUATE SCHOOL COUNCIL
• Council considers proposal including final MOA;
• After presentation, unit incorporates feedback, if needed;
• Graduate Dean authorizes sending proposal to Board of Regents.

BOARD OF REGENTS
• Degree approval;
• Provost confirms Regents’ approval.

CREATE CODE
• OAAP directs Registrar to create new program code.

PROGRAM LAUNCH
• Unit works with Graduate Enrollment Management Services to create academic profile;
• Degree Program 5 year review cycle begins.

ATTACHMENT