THE OHIO STATE UNIVERSITY

College of Engineering

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W. Randy Smith, Ph.D.
Vice Provost for Academic Programs
Office of Academic Affairs
203 Bricker Hall, 190 North Oval Mall, Columbus, OH 43210

Dear Randy:

The College of Engineering continues to work with the Office Strategic Enrollment Management (SEM) on the recruitment and enrollment of students into engineering majors (KSA programs and Aviation are treated separately from this conversation). We are currently at a point where students applying to 10 of our majors are directly enrolled into major (DEM) at the time of admission. We still have 4 majors that are oversubscribed for the capacity we can provide. These are Aerospace Engineering, Biomedical Engineering, Computer Science & Engineering (including the Computer & Information Science major in ASC), and Mechanical Engineering. In consultation with SEM and ASC advising we have created a plan to enable admissions to directly enroll students into these 4 oversubscribed students as well. As a part of that plan we identified the need to have additional sub-plans for students to come in and explore alternate engineering majors.

The College of Engineering would like to request sub-plans for students enrolling in the COE who are undecided on a specific degree and would like additional support and resources to explore multiple engineering pathways that result in the students desired career outcomes. The sub-plans would support and empower incoming students to explore majors within focused engineering themes and enable a holistic advising approach to increase early student academic success. This more tailored approach to the previously used Engineering Undecided will also allow us to improve enrollment management across the degree programs of incoming students from all entry points. Students are unaware that multiple engineering majors can lead to the same or similar career outcomes. This lack of knowledge and limitation of the current application process often results in students selecting engineering majors based on the 3-4 most well-known degrees with no option to explore engineering career pathways. Based on feedback from current students, this change will improve students' ability to make better-informed major selections earlier in their academic careers, leading to fewer major changes, which may impact time to degree. Additionally, this addition of themed options for undecided engineering majors will allow the College to highlight career opportunities aligned with JobsOhio and assist in increasing enrollment in lesser-known degree programs.

We request that the following academic plans be attached to the UENG academic program:

Engineering Pathway 1
DESCRLONG ENG Pathway: Business Analytics, Computation and Systems Integration
ACAD_PLAN ANLYCP-PRE
DESCR   ENG PW: Bus Anly, Comp & Syst

Engineering Pathway 2
DESCRLONG ENG Pathway: Biotechnology, Biosystems, PreMed
ACAD_PLAN BIOENG-PRE
DESCR   ENG PW: Biotech Biosyst PreMed

Engineering Pathway 3
DESCRLONG ENG Pathway: Robotics, Space Systems, and Materials
ACAD_PLAN ROBSPC-PRE
DESCR   ENG PW: Robotics, Space & Mats

Engineering Pathway 4
DESCRLONG ENG Pathway: Sustainability, Energy, and Infrastructure
ACAD_PLAN SUSTAI-PRE
DESCR   ENG PW: Sustain, Energy & Infa

The proposed Plan codes have been discussed with stakeholders in the College of Engineering and TIU leadership, and they support this change. We would be grateful for approval of this request and to receive information about any next steps we may need to coordinate with the Registrar Office.

Respectfully Submitted,
David Tomasko
Associate Dean for Academic Programs and Student Services

c: Dr. James Orr