

**Program Action Form**  
**from the**  
**The Case School of Engineering**

**Modernizing the “Undesignated Undergraduate B.S. Degree Program in Engineering”**

**Background:**

The CSE Undergraduate Studies Committee was charged with bringing up-to-date the Undesignated Undergraduate B.S. Degree Program in Engineering. The primary purpose of the undesignated degree program is to serve the needs of students who have multiple areas of interest in technical fields and/or who do not wish to pursue pure engineering careers but would need adequate technological background to excel in their chosen careers. The current curriculum consists of the following 7 groups of courses:

<b>Course Category</b>	<b>Credit hours:</b>
1. Case Core (math and sciences courses)	29
2. GER including SAGES	19
3. Open Elective	9
4. Engineering core +Engineering computing	24
5. Engineering Elective (chosen from 2 groups out-of-4)	6+
6. Major (including 3-credit capstone)	24+
7. Minor(chosen with the help of Assoc. Dean of Academics)	<u>15+</u>
	Total 129

The current curriculum is clearly not flexible and does not appear to serve the stated purpose.

**Recommendation:**

To achieve the required flexibility to better serve the stated purpose of the undesignated curriculum, the committee recommends that the 48 credit-hours of courses in categories 5, 6 and 7 be replaced by courses chosen in consultation with the Associate Dean of Academics and approved by an appropriate committee, with at least 30 credit hours being engineering courses including 3 credit hours of capstone. It is suggested that, in lieu of the CSE UG committee, the approval could be simply done by the Associate Dean of Academics and two additional faculty members. Also, it is recommended that the name of the degree program be changed to “Dean’s Approved Major in Engineering”

Accordingly, the CSE Undergraduate Studies Committee proposed the following motion that was supported by the Case School of Engineering Executive Committee and subsequently voted upon at the Spring CSE Faculty meeting held on April 24, 2017:

**Motion passed at the Spring CSE Faculty Meeting held on April 24, 2017:**

The Case School of Engineering proposed that:

1. The curriculum for the undesignated undergraduate degree program in engineering be updated to the following:

<b>Course Category</b>	<b>Credit hours:</b>	<b>Changed?</b>
1. Case Core (math and sciences courses)	29	No
2. GER including SAGES	19	No
3. Open Elective	9	No
4. Engineering core +Engineering computing	24	No
<b>5. Engineering courses chosen in consultation with Associate Dean of Academics (including 3-credit capstone)<sup>a</sup></b>	<b>30</b>	<b>Yes</b>
<b>6. Courses chosen in consultation with Associate Dean of Academics<sup>a</sup></b>	<b><u>18</u></b>	<b>Yes</b>
<b>Total</b>	<b><u>129</u></b>	

*<sup>a</sup> In addition to the Associate Dean of Academics, the chosen courses should also be approved by an appropriate committee consisting of at least two faculty members (in lieu of the CSE Undergraduate Studies Committee).*

2. The Undesignated Undergraduate B.S. Degree Program in Engineering be named: **“General Engineering”**