# New Curriculum or Curricular Change EFD Template

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|  | Engineering Faculty Document No.: 25-26July 14, 2025  |

**TO**: The Engineering Faculty

**FROM**: The Faculty of the Elmore Family School of Electrical and Computer Engineering

**RE**: New Engineering Concentration – MSSWE, Embedded Software, Robotics, Controls

The Faculty of the Elmore Family School of Electrical and Computer Engineering has approved the following new concentration from the College of Engineering. This action is now submitted to the Engineering Faculty with a recommendation for approval.

TITLE:

**MSSWE, Concentration Embedded Software, Robotics, Controls**

DESCRIPTION:

MSSWE students who complete the specified coursework can earn a concentration in embedded software, robotics, and controls. See following page for course list.

Relevant programs: SWE-MSSWE, SWE-MSSWE-HY, SWE-MSSWE-OL

RATIONALE:

This concentration allows the MSSWE student to earn a more specialized credential. Embedded Software, Robotics, and Controls is one of the focus areas of the MSSWE. We anticipate that about 30% of our MSSWE students will be interested in this concentration.

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| Milind Kulkarni, Head/Director of the Elmore Family School of Electrical and Computer Engineering |

Link to Curriculog entry:

[https://purdue.curriculog.com/proposal:30353/form](https://purdue.curriculog.com/proposal%3A30353/form)

