

# New Curriculum or Curricular Change EFD Template



College of Engineering

Engineering Faculty Document No.:

EFD#25-25

August 13, 2024

**TO:** The Engineering Faculty  
**FROM:** The Faculty of the School of Mechanical Engineering  
**RE:** New Engineering Concentration

The Faculty of the School of Mechanical 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:**

Motorsports Engineering

**DESCRIPTION:**

The proposed concentration will be listed under the existing MSME (Master of Science in Mechanical Engineering) degree option of Mechanical Engineering (ME). It will require twelve credit hours of core course work with an emphasis on Motorsports Engineering.

**RATIONALE:**

The Motorsports Engineering concentration is applicable for either students seeking additional motorsport industry training immediately after completion of their bachelor's degree in an engineering program or for industry professionals wishing to resume their studies to complete a Master's degree. The Motorsports Major provides an integrated experience in motorsports with emphasis on race engineering.

Motorsports faculty members and instructors are current or recent practicing engineers from the motorsports industry who bring a wealth of experience and knowledge of the latest technology and advancement in the field. Recent instructors have worked for such recognized motorsports teams as Andretti Autosport, Penske Racing, and the Toyota Formula One team.

The target audience is composed of graduate and dual degree students who intend to learn specialized skills in Motorsports Engineering in addition to the traditional core education in mechanical engineering.

As of Spring '24, the IUPUI Motorsports Engineering program under Technology has 184 undergraduates and 12 graduate students. With the program moving to Purdue Mechanical Engineering, enrollment is expected to grow significantly with: brand recognition, increased resources, dedicated program management, and marketing & communications campaigns.

A handwritten signature in black ink, appearing to read 'William Spoll'.

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Head/Director of the School of Mechanical Engineering

Link to Curriculog entry: <https://purdue.curriculog.com/proposal:28905/form>