

# Capstone Design Intent Form

*Engineering Majors who wish to fulfill their culminating design experience with EGR 421 or 431 must submit a completed Capstone Design Intent Form before registering for that class to Kristin Morse ([kbmorse@smith.edu](mailto:kbmorse@smith.edu)).*

A capstone design project is a central part of the Picker Engineering Program's Engineering Science major at Smith College. The capstone design experience comprises the year-long two-credit course Engineering 410D *plus one* of EGR 421D, 422D, or 431D. Course descriptions of these courses are found in the Smith College Catalog. If you plan to fulfill this requirement with Design Clinic (422D), then just register for that class. If you plan to fulfill it with EGR 421 or 431, you must complete this form and obtain the approvals before registration.

Proposed Project Title:

Summary of Proposed Project with explanation of design component(s):

Sponsoring Faculty Member\*:

Estimated Project Cost:

Potential Funding Sources (if needed):

Other Resources Required:

Additional Information:

ABET's Criterion 5 establishes that the Bachelor of Science in Engineering Science curriculum must include a culminating major engineering design experience that 1) incorporates appropriate engineering standards and multiple constraints, and 2) is based on the knowledge and skills acquired in earlier course work. <sup>[1]</sup><sub>[SEP]</sub>

Please explain how you will satisfy these culminating design experience requirements.

*Describe all other relevant experience (e.g., internships, course projects, J-term classes):*

\*The sponsoring faculty member must be in the Picker Engineering Program. Faculty members are most likely to support capstone projects that are clearly defined, financially and technically feasible, and for which the students are well prepared. Such preparation generally includes successful prior work with that faculty member (i.e., summer internships, special studies, etc.) as well as courses and other experiences that provide the necessary foundation for the proposed work.

**Signatures**

Student: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Faculty Sponsor<sup>1</sup>: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Academic Advisor: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Program Dir/Assistant Dir: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

