Request for New Course Designator

OSU-Cascades is requesting a new **SE** course designator for the proposed BS Software Engineering degree program, currently submitted as draft [Category I proposal 101368](). We wish to create this course designator now, so that we may submit Category II proposals for new courses to accompany the Category I proposal.

Purpose

- **What academic programs, including majors, certificates, options and minors will be served by courses within the designator?**

  The SE designator serves a new BS Software Engineering program described in [Category I proposal 101368](). In the future, the program accommodates, by design, future opportunities to support a computer science or electrical engineering option in software engineering, a software engineering minor, graduate courses in software engineering, and, possibly, a certificate program in software engineering.

- **In what ways do the general area and scope of the content constitute a coherent body of knowledge?**

  The area and scope of the content represents the [IEEE Software Engineering Body of Knowledge](), a peer-recognized standard for software engineering content.

- **Is the proposed usage of the designator consistent with practice at OSU and other institutions? Give examples.**

  The usage of the SE designator is consistent with other programs, with examples including CS for computer science and EE for electrical engineering. Oregon Tech uses CST, based on the CSET Department name, and we believe the CST prefix to be cumbersome for a software engineering program. Rose-Hulman uses the CSSE prefix for all courses in both the computer science and software engineering curriculum, a combination of CS and SE.

Accountability

- **What is the academic College of the designator?**

  The SE designator resides with the College of Engineering.

- **Who is responsible for administering courses in the designator, e.g. scheduling and catalog updates. Who are the faculty contact persons?**

  The OSU-Cascades faculty and staff shall administer SE courses. The faculty contacts are Yong Bakos ([yong.bakos@osucascades.edu]()) and Dr. Marc Rubin ([marc.rubin@osucascades.edu]()).

- **Who is responsible for consistency and outcome assessment for courses in the designator?**

OSU-Cascades faculty and staff shall be responsible for consistency and outcome assessment for SE courses. Program assessments will be guided by ABET accreditation requirements.

- **Which units get credit for the SCH generated by courses in the subject code?**

  OSU-Cascades shall receive the SCH generated by courses in the subject code.

- **Who is responsible for communicating information about the new designator to stakeholders, including advisors, Admissions, and students?**

  OSU-Cascades faculty and staff shall be responsible for communicating information about the SE designator to all stakeholders.

Impacts

- **Will courses in the new designator duplicate or compete with existing ones?**

  Courses in the SE designator complement, rather than compete with, existing courses in the computer science curriculum. While similar in nature to some computer science courses, the pre-requisites, course sequences, learning outcomes, course content, and pedagogy of the SE courses do not duplicate nor compete with existing courses.

- **Are there expected cross-listings or curricular equivalencies?**

  There shall be no expected cross-listings for SE courses. OSU-Cascades plans to accept CS 160, 161 and 162 courses as curricular equivalencies for SE 101, 102 and 103. While these courses have different learning outcomes, we feel that students with a grade of B or better in the introductory computer science sequence shall receive credit for SE 101 – 103. In addition, this enables CS 160 – 162 course credits taken at Oregon community colleges to transfer to the proposed software engineering program at OSU-Cascades.

- **How will the new designator affect transfer credits?**

  OSU-Cascades faculty and staff shall define articulation of transfer credits from related academic programs, such as computer science, information systems and software engineering. Specifically, credits from OSU or Oregon community college courses CS 160, 161 and 162 may be transferred to specific SE courses.

- **Will any previous existing designators expire as the new one appears?**

  No existing designators shall expire as a result of the new SE designator.

- **How will the new designator benefit students?**
  The new designator clearly distinguishes the courses in the BS Software Engineering degree program. For more information about this new program, please contact Yong Bakos (yong.bakos@osucascades.edu) or see Category I proposal 101368.