

Title: Local Board-Approved Course Numbers

Policy Reference:

Background Information:

The South Carolina State Department of Education Activity Coding System includes the standardized codes for courses, instructional activities, and non-instructional activities used in the student information systems in South Carolina public schools. The Activity Coding System is the foundation on which course codes, class scheduling, and class sections are built.

Course content is developed and/or approved in the various offices within the South Carolina Department of Education (SCDE) responsible for curriculum and instruction. Course codes are assigned to courses by the Office of Federal and State Accountability. In addition, school districts have the option of developing local board-approved course codes for courses for elective credit only.

Purpose: Approval for a course:

Introduction to Engineering Design Principles -1.0 Unit - Elective Credit

This is an introductory course to engineering which instructs students in the concepts necessary to develop their ideas into STEM solutions. The student is introduced to the science and engineering practices through participation, as a member of a team, in a complete design project. The synthesis of many fields involving science, technology, engineering, and mathematics are required for completion of the design project. The students will apply the laws of nature, mathematics, economics, management, and communication in conjunction with the engineering principles of analysis, experimentation, and design to a real-world problem, from initial concept to final recommendations. Students will be afforded the opportunity to work with mentors from industry, science, mathematics, and engineering to facilitate a deeper understanding of the design process. The course is directed to those students who have a keen interest in engineering and would like to pursue excellence and progress into areas of engineering. Group seminars plus individual consultations for support are provided. This course is intended for tenth grade students planning to continue an Engineering focus of study.

For additional information: Ben Hardee

Recommended Action: Approve course

Estimated Project Cost: None

Recurring ___ Non-recurring ___

Funding Sources: NA