

## Overview of the Engineering Program

State legislation (RSA [188-E:14](#), IV.) enacted in 2002 introduced an opportunity for State capital budget funding to develop and implement engineering programs for middle school and high school students in New Hampshire. Additional rules related to RSA 188-E:14 can be found in the NH Code of Administrative Rules ED 1407. As of February, 2014, 38 schools across New Hampshire have received funding under this initiative.

Middle school and high school programs provide preliminary coursework, and those programs must work collaboratively with their respective regional career and technical education center(s) to articulate their students to the regional center for the capstone course(s). Regional career and technical education centers must further develop and maintain a secondary to postsecondary linkage that encourages a seamless transition from the career center program to college level engineering certificate or degree programs.

State capital budget funds continue to be available for the development of engineering technology programs, with \$125,000 currently available at varying levels, dependent upon the populations being served:

<u>Populations to be served:</u>	<u>Maximum Award</u>
Middle Schools (Grades 6 through 8) .....	\$15,000
High Schools (Grades 9 through 12) .....	\$25,000
Regional Career Technical Education Centers .....	\$50,000

At a minimum, each district receiving funds must match the State award with public and/or private funds on a dollar-for-dollar basis (50/50), thus demonstrating local support for the program. Such matching funds must meet the criteria outlined in the New Hampshire Code of Administrative Rules ED 1407.02(3). Districts must also certify that local funds will be made available to fund the continuation of this program annually, ensuring sustainability of the newly established engineering pathway.

Access to this funding is through the submission of a Career and Technical Education New Program Approval Application to the NH Department of Education, Bureau of Career Development. Engineering new program approval applications must include, as an attachment, narrative responses to the following items, further explained in the [NH Engineering Program Application](#), which can be downloaded from the NHDOE website at <http://www.education.nh.gov/career/career/grants.htm#engineer>

- Instruction: Curriculum and Plan for Delivery
- Student Portfolios and Notebooks
- Software, Equipment and Resources
- Professional Development/Instruction
- Advisory Committee
- Student Enrollment
- Administrative Support/Sustainability
- Funding and Budget
- Communication and Outreach

There are also two additional reporting requirements associated with this funding. Recipients will be expected to submit an assessment in a format provided by the Pre-Engineering Technology Advisory Council (PETAC). In addition, a two-page narrative final report must be attached to the grant in the Department of Education Grants Management System (GMS) at the time the grant is closed. Required specific elements of that report include:

- Outcomes and key achievements;
- Number of students served, disaggregated by gender;
- Impact/benefits of class/program; and
- District plan for sustainability of the class/program.