

Engineering Clinics for Teachers

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This ECT (Engineering Clinics for Teachers) Program is a partnership between Rowan University's Colleges of Engineering and Education to provide an *Engineering Clinic* experience for middle school teachers and guidance counselors. Modeled after the unique Rowan Engineering Clinics, it utilizes real world problem solving via innovative creative measures. The overall objectives of the program are to:

- *Provide* exposure to engineering careers and make engineering more relevant to middle school educators,
- *Ensure* that teachers are academically prepared to successfully integrate engineering content into their existing curriculum,
- *Support* teachers and students in exploring and understanding engineering content in K-12 education through professional development activities, and
- *Serve* as a national model for other undergraduate institutions in integrating engineering content in K-12 education.

This is the first Rowan initiative to integrate engineering content in the middle school curriculum and train teachers regarding engineering concepts as well as the identification of students with potential to become engineers. The ECT program is being funded by a generous grant from the Martinson Foundation.

This presentation will focus on the summer 2006 activities for the weeklong ECT workshop.