

## Project Lead-the-Way®

The Project Lead the Way curriculum is a flexible sequence of eight pre-engineering courses:

- Principles of Engineering
- Engineering Graphics/Solid Modeling
- Introduction to Design and Development
- Gateway to Technology
- Computer Integrated Manufacturing
- Introduction to Digital Electronics
- Civil Engineering and Architecture
- Biotechnical Engineering
- Gateway To Technology – Advanced

Teachers who attend RIT's PLTW Core Training Institutes may apply to receive graduate credit for those courses by successfully completing the course, passing the graduate examination and completing a project and instructional material piece. PLTW teachers can apply to the Masters of Science in Professional Studies degree program during their PLTW enrollment or after completion of all courses. Upon acceptance, PLTW teachers can apply 30 quarter credit hours, representing Concentration A, to their degree. PLTW students can either complete Concentration B by selecting three courses from the RIT Graduate Bulletin, or transferring in 12 credit hours of graduate course work completed at an accredited university and that meets their professional goals. PLTW students must also complete the two required graduate courses, 'Context & Trends' and the 'Capstone Project'. More information about the Professional Studies degree can be found at [www.rit.edu/cms](http://www.rit.edu/cms).

For more information on the PLTW program, visit the RIT Project Lead the Way homepage at <http://www.rit.edu/PLTW> or visit the national site at <http://www.pltw.org>

### Example PLTW Curriculum

#### **Required**

3099-705 Context & Trends 4

#### **Concentration A: Pre-Engineering Technology Education**

0617-700 Engineering Graphics/Solid Modeling 6

0610-700 Principles of Engineering 6

0617-701 Computer Integrated Manufacturing 6

0617-702 Introduction to Design & Development 6

0617-703 Gateway to Technology 6

#### **Concentration B:**

RIT concentration or acceptable graduate transfer  
coursework 12 credit hours

#### **Required**

3099-775 Capstone Project 4

#### **Total 50**

*\*The decision on how to meet the requirements for Concentration B must be made at the time of admission to the program.*