



COMPUTER SCIENCE MAJOR

MAKE A REAL WORLD IMPACT

EOSYS has supported Cooperative Education since 1995, employing dozens of top students annually between our office locations. Our program, EOSYS NEXT, prepares Computer Science students for a rewarding and successful career in industrial and manufacturing industries by providing an immersive, hands-on experience, and expanding their technical skills under the guidance and direction of a mentor.

**The mission of EOSYS NEXT is simple:
turn top students into world-class engineers.**

In addition to technical skills development, you will learn professional skills crucial to a successful career.

As an EOSYS NEXT Engineer, Computer Science students can expect to be on the front end of developing plant information systems and plant floor control systems that assist clients with optimizing their manufacturing operations to improve overall performance.

Our Digital Transformation team has the Industry 4.0 manufacturing and information technology experience to help students understand the need for custom applications and off-the-shelf products. Over the course of the co-op experience with EOSYS, students are exposed to many of the interventions used to improve efficiency and effectiveness in manufacturing:

- Data Collection
- S88 Batch
- Recipe Management
- Production Scheduling / Kitting
- Work Order Management
- Product / Lot Tracking PLC-based, Operator Entry, Barcode, RFID
 - Product Genealogy (Track & Trace)
- Quality Management / Reporting
- Electronic Checklists / Workflows (Paper on Glass)
- WMS Integration
- Alarms / Events Annunciation / Escalation
- Downtime Reporting / Root Cause Analysis
 - Performance Analysis (OEE)

Our Digital Transformation team utilizes many industry-leading MES (Manufacturing Execution System) Application Packages such as: Parsec™ TrakSYS™, Wonderware® MES, Wonderware® Historian, FactoryTalk® ProductionCentre®, FactoryTalk® Metrics, FactoryTalk® Historian, FactoryTalk® VantagePoint, OSIsoft PI, GE Proficiency.