



Graduate Profile:

Computer Integrated Design

A graduate from SAITs Computer Integrated Design (CID) program brings a unique blend of high-value talents to manufacturing and design-oriented industries. They have the skill-set required to contribute to, or even manage, a design or re-engineering project from conception, through the prototype stage, to final production specifications. They have the technical knowledge to add value to the project, and the soft skills to keep a project team on track.

CID GRADUATE SKILLS

Manufacturing Engineering

- Machine Shop
- Tool Die Mold Making
- Geometric Dimensioning and Tolerancing
- Metallurgy
- Composites
- Plastics
- Math (calculus, statistics)
- Physics (statics, dynamics)
- Strength of Materials
- Electrical Principles (AC/DC)
- Automation (PLC and Robotics)

Computers

- 3D modeling (SolidWorks)
- AutoCAD
- Data Conversion and Presentation
- Rapid Prototyping
- Cutterpath programming (CNC)
- Microsoft Office Suite

Project Management

- Problem solving / Decision making
- Team dynamics
- Motivation
- Leadership techniques
- Time management
- Performance Management
- Evaluation
- Facilitation and Brainstorming
- Business Communications
- Quality Systems
- Project Planning and Tracking
- Economic Decision Making

Industrial Design

- Ergonomics
- Industrial Design Methods
- Drafting
- Sketching and Rendering
- Prototyping
- Model making

COMPETITIVE ADVANTAGE: TIME TO MARKET

A CID graduate is equipped to reduce the cost and the time to market of your ideas and products. Reduced design costs and reduced iterations add up to a faster time to market and your competitive advantage.