SUNY CORNING COMMUNITY COLLEGE

Mechanical Technology

FACULTY SPOTLIGHT

Andy Diffenderfer
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Scan for more information

Andy Diffenderfer is a graduate of SUNY Corning Community College's Engineering Science A.S. program and would go on to earn a B.S. in Mechanical Engineering from Alfred University. Andy comes from industry working in machine design and automation as a mechanical engineer and machine systems engineer. His previous employers include world-renowned companies such as Corning Inc. and BUCHER Emhart Glass.

He likes to incorporate projects into his classes that teach principles of engineering, and also the importance of planning, patience, troubleshooting, and understanding the relationship between design and manufacturing.

Outside of the classroom he builds and flies full-size aircrafts, and enjoys a wide range of projects from automotive, aviation restoration, experimental aircraft, woodworking, and machining.

SUNY CORNING COMMUNITY COLLEGE
1 Academic Drive, Corning, NY 14830

SUNY CORNING COMMUNITY COLLEGE

MECHANICAL TECHNOLOGY: CAD DESIGN

ASSOCIATE IN APPLIED SCIENCE (A.A.S.)

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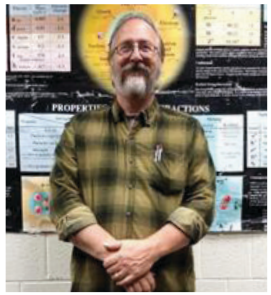

Mark McCarty earned his degree in Mechanical Technology from SUNY Corning Community College and then his B.S. in the same field from Cornell University in 2005. He was a Senior Engineer at Sikorsky Aircraft Corporation, contributing to the X2 Project – development of the world's fastest helicopter.

A VERY CREATIVE FIELD

Every new product, machine, vehicle, or device we enjoy today represents the work of creative mechanical designers. Those who derive satisfaction from the challenge of solving mechanical problems, making things work, and using computer technology to create new things may have a future in this exciting field. This program represents a blend of applied design theory with the most recent innovations in Computer-Aided Design (CAD), Rapid Prototyping, Computer Numerical Control (CNC) and traditional industrial practices. This program can lead to careers as Engineering Technicians, Process Technicians, Draftspersons, Quality Technicians, Designer Technicians, and Manufacturing Technicians, among others.

Should students decide to continue their education at the four-year college level, courses taken at Corning transfer to upper-division colleges granting Bachelor of Technology degrees in Mechanical Technology, Manufacturing Technology, and Manufacturing Engineering Technology.

Sample Courses

- Engineering Graphics
- CNC Programming
- Dimensional Metrology
- Machine Design
- Hydraulics and Pneumatics
- Strength of Materials
- Materials

Optional Transfers

- Alfred State
- Rochester Institute of Technology
- SUNY Buffalo
- Pennsylvania College of Technology
- SUNY Binghamton

$36K-$70K

Depending on the ultimate degree earned, program graduates typically earn in the range of

$36,000 to $70,000

Potential employers of our program graduates

CORNING

JABIL HARDINGE NUCOR

CAMERON MANUFACTURING & DESIGN Hilliard SIEMENS energy

SUNY CORNING COMMUNITY COLLEGE

Empowering Our Students | Elevating Our Community