



Engineering Science

FACULTY SPOTLIGHT



**Andy
Diffenderfer**

607-962-9243
adiffend@corning-cc.edu



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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.



ENGINEERING SCIENCE

ASSOCIATE IN SCIENCE (A.S.)

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

SUNY CORNING COMMUNITY COLLEGE
corning-cc.edu | 607-962-9151



**Alexandra
(Williams) Rennie**

is a 2011 graduate of SUNY CCC with a degree in Engineering Science and Liberal Arts and Sciences: Mathematics and Science.

She went on to receive her Bachelor of Science in Environmental Resources Engineering from SUNY ESF in 2014.

She is a Senior Wastewater Engineer for Chemung County Sewer Districts.

BUILD YOUR OWN FUTURE

The Engineering Science A.S. program is for those who love learning how things work and enjoy solving problems. Engineering Science provides a foundation in engineering principles, physical sciences, math, and social fields in preparation for making important contributions to engineering and society. The program provides university parallel coursework for the first two years of a bachelor's degree in engineering.

Prepare for the Future

Graduates continue their education by transferring to a four-year institution where they specialize in traditional fields such as electrical, mechanical, chemical, civil, environmental, materials, aerospace, and biomedical engineering.

Students will have the opportunity to learn about the different engineering fields while gaining the fundamental basics required of all engineers. Our class sizes are small, we provide engaging laboratory experiences, and our dedicated faculty ensure students are well prepared for transfer.

Sample Courses

- Engineering Orientation
- Calculus
- General & Organic Chemistry
- Graphics for Engineers
- Material Science
- Circuit Analysis
- Engineering Mechanics
- Engineering Physics

Common Transfers

- SUNY Binghamton
- Alfred University
- Rochester Institute of Technology
- SUNY Buffalo
- Clarkson University
- Rensselaer Polytechnic Institute
- University of Rochester
- Cornell University
- Georgia Institute of Technology
- Carnegie Mellon University

\$65K-\$80K*

***Program transfer graduates with a bachelor's degree typically earn in the range of**

\$65,000 to \$80,000