

# Corrosion Engineering Technology

Associate of Applied Science Degree (285000AAS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

*Italicized* courses fulfill General Education requirements. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 English (3)	Placement by Advisor
2030:153 Technical Mathematics III (2)	2030:152 or equivalent with a grade of C- or better or placement by Advisor
2040:240 Human Relations (3)	
2820:111 Introductory Chemistry (3) (Note a)	Corequisite: 2030:152
2420:263 Professional Communication and Presentations (3)	Prerequisite or corequisite: 2020:121 or 3300:111
2850:120 Corrosion Engineering Technology Fundamentals 1 (3)	Corequisite: 2820:111
<b>Total Credits = 17</b>	

Year 1 Spring	Prerequisite
2030:154 Technical Mathematics IV (3)	2030:153 or equivalent with grade of C- or placement by Advisor
2020:222 Technical Report Writing (3)	2020:121 or 3300:111 or equivalent
2820:112 Introductory and Analytical Chemistry (3) (Note b)	2820:111 or permission
2820:160 Technical Physics—Mechanics with Lab (4)	Corequisite: 2030:154
2850:121 Corrosion Engineering Technology Fundamentals 2 (4)	2850:120
<b>Total Credits = 17</b>	

Year 2 Fall	Prerequisite
2990:125 Statics (3)	2030:154 and 2820:160
2820:163 Technical Physics: Electricity and Magnetism (2) (Sch. Lab)	2820:160 and 2030:154 (C- or better in both)
2920:142 Introduction to Material Technology (3) (Note b)	
2040:244 Death and Dying (3) -OR- 2040:254 Black Experience 1619-1877 (2) -OR- 2040:256 Diversity in American Society (3)	2020:121 or 3300:112 2020:121, or 3300:112 or equivalent
2850:220 Strategies for Corrosion Prevention (4)	2850:121
<b>Total Credits = 14-15</b>	

Year 2 Spring	Prerequisite
2990:225 Strength of Materials (3)	2990:125
2880:241 Introduction to Quality Assurance (3)	2880:100 and 2030:152
2040:247 Survey of Basic Economics (3)	
2850:221 Corrosion Engineering Technology Projects (4)	2850:121
<b>Total Credits = 13</b>	

<b>Total Credits for Degree = 61 minimum</b>
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**Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Mathematics, and Communications (Speech) requirements.**

**You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.**

Notes:

- Traditionally Fall semester only (see Program Contact)
- Traditionally Spring semester only (see Program Contact)

#### Program Contact

Program Director, Dr. Jennifer Lillard, Schrank Hall South 117B, 330-972-6787 or [jlillard@uakron.edu](mailto:jlillard@uakron.edu)

#### Program Description

The A.A.S. in Corrosion Engineering Technology program includes classroom and laboratory experiences which prepare students for careers in the corrosion industry and other allied industries.

#### Career Information

A person with an associate degree in Corrosion Engineering Technology can find employment in any industry that is impacted by material degradation. Examples include the oil and gas, chemical processing, and construction industries.

The program prepares the student to evaluate corrosion of materials in the field and apply strategies for mitigating corrosion. In completing the AAS degree in Corrosion Engineering Technology, the students will also be prepared to pass certification tests in Basic Corrosion and Cathodic Protection offered by NACE.

#### Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.