

College of Applied Science and Technology
Corrosion Technology
 Certificate (285000C)

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. Completion of this certificate 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.

This certificate program is available to any student who completes a minimum of 17 credits indicated below. The objective of this certificate is to enhance student knowledge of the fundamentals of corrosion technology, including forms of corrosion, types of corrosive environments, material selection, corrosion control, testing, monitoring and treatment.

The following courses constitute a "Corrosion Technology Certificate" and must be completed with a minimum grade point average of 2.0 over-all for the certificate to be noted on the student's record.

Both Courses Must Be Taken in the Following Category

| ✓ | Corrosion Courses | | Credits | Prerequisites |
|---|-------------------|--------------------------------------|---------|--------------------|
| | 2850:100 | Introduction to Corrosion Technology | 2 | 2030:151 or higher |
| | 2850:200 | Advanced Corrosion Technology | 3 | 2850:100 |

One Course Must Be Taken from each of the Following Four Categories

| ✓ | Chemistry I Courses | | Credits | Prerequisites | Corequisites |
|---|---------------------|---------------------------|---------|----------------------------------|--------------|
| | 2820:111 | Introductory Chemistry | 3 | | 2030:152 |
| | 3150:151 | Principles of Chemistry I | 3 | 3450:149 or higher or permission | |

| ✓ | Chemistry II Courses | | Credits | Prerequisites |
|---|----------------------|---------------------------------------|---------|------------------------|
| | 2820:112 | Introductory and Analytical Chemistry | 3 | 2820:111 or permission |
| | 3150:153 | Principles of Chemistry II | 3 | 3150:151 |

| ✓ | Circuits Courses | | Credits | Prerequisites | Corequisites |
|---|------------------|------------------------------|---------|---------------|--------------|
| | 2860:122 | AC Circuits | 3 | 2860:120 | 2030:154 |
| | 2860:370 | Survey of Electronics I | 3 | 2820:163 | |
| | 4400:307 | Basic Electrical Engineering | 4 | 3650:292 | 3450:335 |

| ✓ | Materials/Devices Courses | | Credits | Prerequisites | Corequisites |
|---|---------------------------|-------------------------------------|---------|-----------------------|--------------|
| | 2920:142 | Introduction to Material Technology | 3 | | |
| | 2860:225 | Application of Electronic Devices | 4 | 2860:123 and 2030:154 | |
| | 4200:305 | Materials Science | 2 | 3150:153 | 3650:292 |
| | 4300:202 | Intro: Mechanics of Solids | 3 | 4300:201 | |

Program Contacts

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