

CORROSION SCIENCE AND ENGINEERING - CERTIFICATE

Program Requirements

| Code | Title | Semester Credit Hours |
|------------------------------------|--|-----------------------|
| MSEN 440 | Materials Electrochemistry and Corrosion | 3 |
| MSEN 444 | Corrosion and Electrochemistry Lab | 3 |
| MSEN 446 | Corrosion Prevention and Control Methods | 3 |
| Select one of the following: | | 3 |
| AERO 413 | Aerospace Materials Science | |
| BMEN 344 | Biological Interactions and Testing | |
| CHEN 322 | Chemical Engineering Materials | |
| CVEN 306 | Materials Engineering for Civil Engineers | |
| MMET 207 | Metallic Materials | |
| MSEN 201 | Fundamentals of Materials Science and Engineering | |
| MSEN 222/ | Materials Science | |
| MEEN 222 | | |
| NUEN 265 | Materials Science for Nuclear Energy Applications | |
| Select one of the following: | | 3 |
| AERO 411 | Applications of Fracture Mechanics to Aerospace Structures | |
| CHEM 466 | Polymer Chemistry | |
| CHEM 470 | Industrial Chemistry | |
| CHEN 430/ | Risk Engineering | |
| SENG 430 | | |
| CHEN 457 | Environmental Engineering | |
| MEEN 460 | Corrosion Engineering | |
| NUEN 465 | Nuclear Materials Engineering | |
| PETE 355 | Drilling Engineering | |
| Total Semester Credit Hours | | 15 |