

CORROSION ENGINEERING TECHNOLOGY (CRET)

CRET 120 Corrosion Engineering Technology Fundamentals I (3 Units)

Pre/Corequisite: CHEM 101 or [CHEM 151 and CHEM 152]. Introduction to corrosion engineering topics including economic impacts of corrosion, types of corrosion, their recognition and prevention, parameters affecting corrosion, and methods of corrosion control. (Formerly 2850:120)

CRET 121 Corrosion Engineering Technology Fundamentals II (4 Units)

Prerequisite: CRET 120. Basic understanding of steps and methods required for combating corrosion including proper design, material selection, protective coating application, inhibitors use, and cathodic and anodic protection. (Formerly 2850:121)

CRET 220 Strategies for Corrosion Prevention (4 Units)

Prerequisite: CRET 121. Pre/Corequisite: EEET 120. This course focuses on the control of corrosion by applying coatings and cathodic protection. (Formerly 2850:220)

CRET 221 Corrosion Engineering Technology Projects (4 Units)

Prerequisite: CRET 220. Course focuses on corrosion/failure analysis and corrosion mitigation, and discussion of regulatory compliance and resource acquisition and allocation. (Formerly 2850:221)