

CORROSION SCIENCE AND ENGINEERING - CERTIFICATE

Program Requirements

Code	Title	Semester Credit Hours
MSEN 601	Fundamental Materials Science and Engineering	3
MSEN 643	Materials Electrochemistry and Corrosion	3
MSEN 644	Corrosion and Electrochemistry Lab	3
MSEN 646	Corrosion Prevention and Control Methods	3
Select one of the following:		3
BMEN 635	Biomaterials Compatibility	
CHEM 623	Surface Chemistry	
CHEN 655/ SENG 655	Process Safety Engineering	
MEEN 660	Corrosion Engineering	
MEMA 611	Fundamentals of Engineering Fracture Mechanics	
MSEN 602	Physics of Materials	
MSEN 603	Fundamentals of Soft and Biomaterials	
MSEN 616/ MEEN 616	Surface Science	
MSEN 620	Kinetic Processes in Materials Science	
MSEN 625	Mechanical Behavior of Materials	
MSEN 640	Thermodynamics in Materials Science	
NUEN 662	Nuclear Materials Under Extreme Conditions	
PETE 643	Oil Field Chemistry	
Total Semester Credit Hours		15