



The state of Florida, because of its geographic location and its location relative to the Atlantic Ocean and the Gulf of Mexico is especially impacted by corrosion related issues. However, the number of engineers with special expertise in corrosion or with a Master's degree/certificate in

corrosion is not on track with the need for such experts. There are no Masters or Certificate Degrees, in the area of corrosion, offered in the State of Florida Universities. Nationwide and internationally, there are a handful of universities that offer a degree in corrosion engineering: two examples include University of Akron in Ohio and University of Manchester in Manchester, England.

Corrosion Engineers (NACE) offers online courses in various areas of corrosion engineering. However, more organized degrees or certificates are not being offered. The department of Ocean and Mechanical Engineering, due to its extensive expertise and facilities, is uniquely

positioned to offer a certificate degree in the corrosion field. For those living in regions that do not have University programs in Corrosion Engineering, it may not be always possible, for economic or family reasons, to relocate in order to pursue a graduate degree in Corrosion Engineering. The same would be the case for working

course in the program. Five courses in the program must be completed with a GPA of 3.0 or better. All course materials will be in English and all international students must demonstrate

proficiency in English to enter the program.

curriculum. The five courses, four of which, including corrosion I and corrosion 2, must be completed for the certificate program in Corrosion, are given below. **Category Courses** (all are 3 credit hour courses)

- EOC6216C Corrosion I
- EOC 6230 Physical Metallurgy
- EOC 6218C Corrosion II
- EOC6431 Offshore Structures

EOC 6157 Advanced Fracture and Failure Processes I