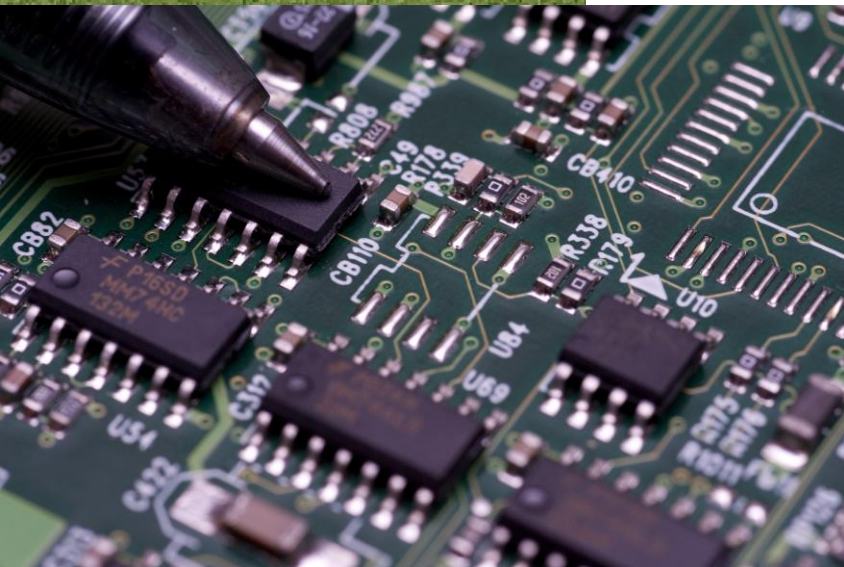




# Course Title: Introduction to Composite Materials Science

This course will focus on the science of the materials utilized in a broad range of composite applications. The definition of composites is the combination of 2 or more different materials that when combined stay unique, but their combined performance is greater than the individual components. Furthermore, due to the breadth of this industry we will narrow it down to the reinforced polymeric materials. Therefore we will focus on the science of the polymeric materials, reinforcements, applications and the techniques of analytical characterization. This course will utilize the advanced analytical capability of the Composites Engineering and Research Laboratory extensively throughout the laboratory section with the theory presented in the lecture.

Pre-requisites for this Junior/Senior Elective: General chemistry, interest in manufacturing and applications engineering.



**Course Hours:** 2 hour lecture and 2 hour lab.

**Course Days:** Monday and Wed.

**Course Times:** TBD

**Instructor:** Andrew Schoenberg  
37 years experience in various  
Composite Industries – Director  
Of CERL

