

# ADM 162 : ADDITIVE MANUFACTURING PROCESS

This course focuses on basic principles and methodology of different types of polymers and processes created with the Additive Manufacturing (AM) process. Comparison of selecting the best type of polymer for production will be discussed. Students receive proper instruction on safety operations, set-up, routine maintenance and production on the AM system. Students learn the various types of polymer AM systems; ie. Fused Deposition Manufacturing (FDM), Poly Jet and SLA. Students also learn the software used for each AM system. Upon completion, students will be able to describe the different types of polymers available for the AM process including, but not limited to, ABS, PC, PCABS, ULT, PPS, and Nylon and explain what the benefits are for basic AM. They should be able to demonstrate the how to take the AM system apart from start to finish and be able to select the best process for the type of product being produced.

**Credits 3**

**Lab Hours 2**

**Theory Hours 1**