

ADDITIVE MANUFACTURING CERTIFICATE

The Additive Manufacturing certificate will offer students an opportunity to develop the skills and understanding for this technology and how it is impacting the design and manufacturing industries. At the end of the certificate, the students will have learned:

1. the principles and applications of additive manufacturing in industrial and medical fields, how additive manufacturing works, and how to design and prototype parts or assemblies using different prototyping technologies;
2. how to implement strategic design considerations for various additive manufacturing processes and materials;
3. understand the special guidelines for additive manufacturing and post-processing of metals and be able to design and manufacture a real-world metal part.

Requirements

To obtain a certificate, students must complete three courses from the list below with a 3.0 grade point average or higher.

Code	Title	Semester Hours
Select three of the following:		9
MECH 533	Additive Manufacturing	
MECH 610	Metallurgical and Materials Engineering	
MECH 637	Rapid Prototyping	
MECH 639	Design for Additive Manufacturing	
Total Semester Hours		9