REQUIREMENTS FOR THE GRADUATE CERTIFICATE
GALLOGLY COLLEGE OF ENGINEERING
THE UNIVERSITY OF OKLAHOMA

Academic Year	General Requirements	Program
For Students Entering the Oklahoma State System for Higher Education **Summer 2025 through Spring 2026**	Minimum Total Hours **12**	**Advanced Metal Additive Manufacturing** **G605, G606-OL** Graduate Certificate

Minimum Total Hours: 12

Program Code: G605, G606-OL

Certificate Requirements

Manufacturing is transitioning into the "Fourth Revolution," which seeks to combine the burgeoning process of 3D printing of parts and components with a more interconnected and integrated approach to previously siloed digital data streams. This program will help engineers develop the necessary skills and knowledge to operate, oversee, and manage cutting-edge advanced manufacturing technologies that are increasingly vital in today's industries.

Code	Title	Credit Hours
Core Courses		
ENGR 5312	Introduction to Advanced Manufacturing for Metals	2
ENGR 5322	Digital Thread Concept	2
ENGR 5332	Digital Thread Implementation	2
ENGR 5342	Thermal Effects in Metal Additive Manufacturing	2
ENGR 5352	Post-Processing in Metal Additive Manufacturing	2
ENGR 5362	Metal Additive Manufacturing Lab	2
Total Credit Hours		**12**

A graduate *certificate* is not a graduate *degree*. A graduate degree represents a program of independent inquiry beyond the depth of coursework alone, while a graduate certificate represents a set of courses only.

- All courses must be taken at OU. No transfer credit will apply.
- No course substitutions are permitted for graduate certificates.
- Coursework applied to a graduate certificate cannot be more than five years old as of the semester the graduate certificate is awarded.
- Students must earn a grade point average of 3.00 or higher on all coursework applied to the graduate certificate.

More information in the catalog: (http://ou-public.courseleaf.com/gallogly-engineering/college-engineering-administrated-programs/advanced-metal-additive-manufacturing-grad-cert/).