

REQUIREMENTS FOR THE GRADUATE CERTIFICATE
DODGE COLLEGE OF ARTS AND SCIENCES
THE UNIVERSITY OF OKLAHOMA

| Academic Year |
|---|
| For Students Entering the Oklahoma State System for Higher Education Summer 2023 through Spring 2024 |

| General Requirements |
|------------------------------|
| Minimum Total Hours 15 |

| Program |
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| Microscopic Imaging and Technology G619 Graduate Certificate |

Minimum Total Hours: 15

Program Code: G619

The Certificate Program in Microscopic Imaging and Technology is designed for graduate students with a strong interest in the investigation of using advanced imaging technology to characterize biological, materials and physical science specimens at a range of resolutions that can reach to a near atomic level. Students who may be interested in this certificate come from a wide range of interests (e.g., Biology, Microbiology, Plant Biology, Biomedical Engineering, Biotechnology, Chemistry, Biochemistry, Materials Sciences, Nanotechnology, Physics).

Certificate Requirements

| Code | Title | Credit Hours |
|--|---|--------------|
| MBIO 5364 | Transmission Electron Microscopy (crosslisted with PBIO and BIOL) | 4 |
| MBIO 5374 | Scanning Electron Microscopy (crosslisted with PBIO and BIOL) | 4 |
| MBIO 5394 | Advanced Light Microscopy (crosslisted with PBIO and BIOL) | 4 |
| Choose 3 hours of Independent Research selected from a list maintained by the Department of Microbiology and Plant Biology | | 3 |
| Total Credit Hours | | 15 |

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/dodge-arts-sciences/biological-sciences/microscopic-imaging-technology-graduate-certificate/>).