

# Microbiology and Biotechnology Techniques Certificate

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## Department Information

- **Credential Offered:**  
Certificate

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## Minimum Credits Required: 9

Code	Title	Credits
MICR 645	Animal Cell Culture Techniques	1
MICR 667	Microbial Isolation and PCR Applications	1
MICR 668	Microscopy and Imaging Techniques	1
MICR 669	CRISPR Gene Editing	1
MICR 671	Immunological Assays	1
MICR 672	Flow Cytometry	1
MICR 673	Quality Control in Biotechnology	1
MICR 674	Sequencing	1
PPTH 647	Fundamentals of Molecular Techniques in Agriculture	1
<b>Total Credits</b>		<b>9</b>

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## Admission and Application Requirements

Graduate School admission and application requirements are found on the Admission Information (<https://catalog.ndsu.edu/graduate/admission-information/>) page.