

# Biomedical Engineering

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## Department Information

- **Program Coordinator:**  
Long Jiang, Ph.D.
- **Email:**  
long.jiang@ndsu.edu
- **Department Location:**  
Dolve 111C
- **Department Phone:**  
(701) 231-8839
- **Department Web Site:**  
[www.ndsu.edu/coe/bme/](http://www.ndsu.edu/coe/bme/) (<http://www.ndsu.edu/coe/bme/>)
- **Application Deadline:**  
February 15 for fall semester; September 15 for spring semester. Applications received after the deadline will still be considered, but preference is given to those submitted by the deadline.
- **Credential Offered:**  
Ph.D., M.S., on campus and online
- **English Proficiency Requirements:**  
TOEFL iBT 71, IELTS 6, Duolingo 105

Code	Title	Credits
<b>M.S. - Plan A Thesis Option</b>		<b>30</b>
Anatomy & Physiology		3-6
BIOL 660	Animal Physiology (or EE 590 Advanced Electrical Engineering Problems - UND)	
BRG Related Courses		6-9
Graduate Preparation (e.g. Grant Writing)		0-3
BME 794	(Practicum (industrial, clinical, or research lab))	1-3
Electives (approved by advisor)		9 (max)
BME 790	Graduate Seminar (One credit per semester.)	3
BME 798	Master's Thesis	9

Code	Title	Credits
<b>M.S. - Plan B Master's Paper Option</b>		<b>30</b>
Anatomy & Physiology		6-9
BIOL 660	Animal Physiology (or EE 590 Advanced Electrical Engineering Problems - UND)	
BRG Related Courses		6-9
Graduate Preparation (e.g. Grant Writing)		3
BME 794	(Practicum (industrial, clinical, or research lab))	1-3
Electives (as approved by advisor)		15 max
BME 790	Graduate Seminar (one credit each semester)	3
BME 797	Master's Paper	2-4

Code	Title	Credits
<b>Ph.D. (90 credits)</b>		
Anatomy & Physiology		3-6
BIOL 660	Animal Physiology	3
BME 790	Graduate Seminar (One credit per semester)	3-6
or UND-ENGR 562 Seminar (1 credit), or UND-EE 570 Seminar (1 credit)		
BRG Related Courses		12-15

BME 899	Doctoral Dissertation	6-30
Graduate Preparation (e.g. Grant Writing; College Teaching Certificate)		3-6
Internship (industrial, clinical, or research lab):		3-6
Electives (approved by adviser)		36 (max)

For more information: [ndsu.edu/coe/bme/](https://www.ndsu.edu/coe/bme/) ([https://www.ndsu.edu/coe/future\\_students/biomedical\\_engineering/](https://www.ndsu.edu/coe/future_students/biomedical_engineering/))