



UT Tyler SCHOOL OF MEDICINE

The University of Texas at Tyler
The School of Medicine
Master of Science in Biotechnology
2024 Catalog

Prior to enrollment each semester, students must meet with an advisor. This advisement worksheet must be completed before a student is eligible to enroll in any courses for the next semester.

If a course requires special permission from an instructor or the chair of the department, this form will need to be signed by the instructor/chair and returned to advisor before a student will be allowed to enroll in the course.

Students must complete 2 electives.

Name	Student ID	Date
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University Requirements

- 36 Semester Hours
- 3.0 or higher GPA for degree coursework
- A minimum grade of C in all courses
- Thesis Submitted

Milestones

- Coursework completed.
- Thesis Committee appointed and approved.
- Thesis proposal completed and approved.
- Thesis defended and approved by committee
- Two electives completed.
- Oral defense of dissertation.
- Graduation paperwork filed.
- Dissertation accepted by Graduate School.

Year 1 Fall

• BIOT 5101 Biotechnology Research Seminar I. 1 credit hour seminar. Not included in 36 credit hour total.	Needed	In Progress	Completed
• BIOT 5211/5211L: Advanced Biotechniques and Lab. 2 credit hour lecture, 2 credit hour lab.	Needed	In Progress	Completed
• BIOT 5310: Fundamentals of Biomedical Research. 3 credit hour lecture.	Needed	In Progress	Completed
• BIOT 5312: Molecular Biochemistry. 3 credit hour lecture.	Needed	In Progress	Completed

Name	Student ID	Date		
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Year 1 Spring

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|--|--------|-------------|-----------|
| <ul style="list-style-type: none"> • BIOT 5101 Biotechnology Research Seminar I.
1 credit hour seminar. Not included in 36 credit hour total. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • BIOT 5131: Critical Reading I.
1 credit hour seminar. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • BIOT 5221/5221L: Proteins and Nucleic Acids and Lab.
2 credit hour lecture, 2 credit hour lab. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • BIOT 5222/5222L: Advanced Metabolism and Lab.
2 credit hour lecture, 2 credit hour lab. | Needed | In Progress | Completed |
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Year 1 Summer

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|--|--------|-------------|-----------|
| <ul style="list-style-type: none"> • BIOT 6336: Biophysical Chemistry.
3 credit hour lecture. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • Elective Taken? | Needed | In Progress | Completed |
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Year 2 Fall

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|---|--------|-------------|-----------|
| <ul style="list-style-type: none"> • BIOT 6101 Biotechnology Research Seminar II.
1 credit hour seminar. Not included in 36 credit hour total. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • BIOT 5132: Critical Reading II.
1 credit hour seminar. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • BIOT 6311: Biotechnology I.
3 credit hour lecture. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • BIOT 6331: Thesis Research.
1-3 credit hours of thesis research (lab). | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • Elective Taken? | Needed | In Progress | Completed |
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Year 2 Spring

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|---|--------|-------------|-----------|
| <ul style="list-style-type: none"> • BIOT 6101 Biotechnology Research Seminar II.
1 credit hour seminar. Not included in 36 credit hour total. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • BIOT 6312: Biotechnology II.
3 credit hour lecture. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • BIOT 6332: Thesis Writing.
1-3 credit hours of thesis writing. | Needed | In Progress | Completed |
| <ul style="list-style-type: none"> • Elective Taken? | Needed | In Progress | Completed |
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Name _____ Student ID _____ Date _____

Electives

<ul style="list-style-type: none"> • BIOT 5331L: Advanced Graduate Studies I. 1-3 credit hour lab. Offered: Fall, Summer, Spring 	Needed	In Progress	Completed
<ul style="list-style-type: none"> • BIOT 5332L: Advanced Graduate Studies II. 1-3 credit hour lab. Offered: Fall, Summer, Spring 	Needed	In Progress	Completed
<ul style="list-style-type: none"> • BIOT 5140: Emerging Techniques. 1 credit hour seminar. Offered: Fall 	Needed	In Progress	Completed
<ul style="list-style-type: none"> • BIOT 6334: Advanced Immunology. 3 credit hour lecture. Offered: Summer 	Needed	In Progress	Completed
<ul style="list-style-type: none"> • BIOT 6335: Tissue Culture. 3 credit hour lecture. Offered: Summer 	Needed	In Progress	Completed
<ul style="list-style-type: none"> • BIOT 6340: DNA Forensics. 3 credit hour lecture. Offered: Spring 	Needed	In Progress	Completed
<ul style="list-style-type: none"> • BIOT 5150: Special Topics. 1-3 credit hour lecture. Contact the instructor for topic details. Offered: At instructor's discretion. 	Needed	In Progress	Completed
<ul style="list-style-type: none"> • BIOT 6325: Biotechnology Internship. 3 credits of Internship. Offered: Fall, Summer, Spring 	Needed	In Progress	Completed

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General Comments

Caution: You may need electives to reach the University Requirements of 9 credit hours per semester for full time status.

Student Signature: _____ Date: _____

Advisor Signature: _____ Date: _____

Program Manager/Director Signature: _____ Date: _____