

GRADUATE CERTIFICATE PROGRAM REPORT

In order to qualify for a graduate certificate, a student must be admitted to the graduate certificate program through the Office of Graduate Admissions.

Course Credit Requirements for Graduate Certificates:

- 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.

Additional limitations and policies for graduate certificates can be found in the [Graduate College Bulletin](#).

This form is due in the Graduate College no later than the final semester of certificate coursework. Please see the [Graduate College website](#) for specific deadlines.

Please type all required information. Do not handwrite. List courses in the order they were/will be completed. Each course, directed reading, independent study, etc. should be listed on a separate line. Include only those courses that will be applied to the certificate.

GRADUATE CERTIFICATE in BIOPROCESSING

G245

NAME: _____

OU ID: _____

COURSE PREFIX & NUMBER	COURSE NAME	HOURS	GRADE	SEMESTER & YEAR
------------------------	-------------	-------	-------	-----------------

REQUIRED COURSEWORK: 9 hours.

CH E/BME 5243	Biochemical Engineering	3		
CH E 5583	Advanced Techniques in Biomanufacturing	3		

Choose one of the following:

CH E/BME 5423	Genetic Engineering and Biotechnology			
CH E/BME 5373	Tissue Engineering			

ELECTIVES: 3-4 hours. Choose one course from the following list. CHEM 5100, CHEM 5110, CHEM 5200, CHEM 5210, and CHEM 5240 may be taken for 1-3 hours.

CH E/BME 5373	Tissue Engineering (if not taken as required course above)			
CH E 5203	Bioengineering Principles			
AME 5003	Introduction to Structural Health Monitoring			
DSA 5103	Intelligent Data Analytics			
ISE 5503	Healthcare Analytics			
BIOL 5113	Cellular Pathology			
BIOL 5364	Principles and Techniques of Transmission Electron Microscopy			
BIOL 5374	Principles and Techniques of Scanning Electron Microscopy			
BIOL 5394	Advanced Light Microscopy			
BIOL 5903	Topics in Virology			
CHEM 5100	Instrumental Methods of Analysis			
CHEM 5110	Spectroscopic Chemical Analysis			
CHEM 5200	Principles of Biochemistry			
CHEM 5210	Molecular Biology			
CHEM 5240	Biochemical and Biophysical Methods			

TOTAL HOURS:

12 hours required

I hereby request approval of my certificate coursework as outlined above. I understand that I am responsible for reviewing the policies and procedures governing graduate study at the University of Oklahoma as published in the [Graduate College Bulletin](#).

Student Signature _____

Date _____



I have reviewed the above-named student's course of study for the graduate certificate and I recommend approval.

Printed Name of Graduate Liaison _____

Graduate Liaison Signature _____

Date _____

FOR GRADUATE COLLEGE USE ONLY:

Program effective **Summer 2025**.

Date Checked: ____/____/____ | Earliest Course: _____ | Hours Required: ____ | OK ____ Problem ____