Updated: July 2024

Certificate of Departmental Approval

Master of Science in Engineering Degree Program in Chemical and Biomolecular Engineering

Declared MSE Program Type: ◯ Essay-Based ◯ Course-Based

SEM/YEAR OF GRADUATION: _____

Student Name	
JHED ID	
Hopkins ID	
Faculty Advisor	
JHU Email Address	

Undergraduate institution, major, and graduation date:

_____

Plans After Graduation:
(Indicate specific employer or university if already known. If unknown at this time, please indicate as such, and provide your tentative plans.)

_____

Coursework Requirements:

Core Courses (3 Total)

Sem/Year	Course	Credits	Grade	Double-Counted?	Transfer?
Core 1: Thermodynamics (One Required)					
→	(Select One)			☐	☐
Core 2: Transport (One Required)					
DO NOT LEAVE BLANK →	(Select One)			☐	☐
Core 3: Kinetics (One Required)					
→	(Select One)			☐	☐

In addition to your three core courses above, students must also take Elective Credits as follows:

◯ **Essay-Based:** 9 credits of graduate-level coursework; at least 3 of which from ChemBE courses (540.6XX) and 12 credits of research credit in addition (540.801). All students must take 1 credit of 540.801 in their first semester.

◯ **Course-Based:** 21 credits of graduate-level coursework; at least 9 of which from ChemBE courses (540.6XX) and 1 credit of research credit in addition (540.801). All students must take 1 credit of 540.801 in their first semester.

Elective Courses

Sem/Year	Course #	Course Name	Credits	Grade	Double-Counted?	Transfer?
TECHNICAL WRITING REQUIREMENT*	(Select One)**				☐	☐
					☐	☐
					☐	☐
					☐	☐
					☐	☐
					☐	☐
					☐	☐
					☐	☐
		Elective Credit Total:	0			

*PLEASE LIST YOUR TECHNICAL WRITING COURSE IN THE FIRST LINE
**IF YOU ATTENDED JHU FOR UNDERGRAD, YOUR TECHNICAL WRITING REQUIREMENT IS WAIVED. PLEASE SELECT "WAIVED" FROM THE DROPDOWN

Focus Area:

(Select One)

Course #	Course Name	Credits
Please select a Focus Area		
Please select a Focus Area		
Please select a Focus Area		
Please select a Focus Area		

*****Please relist courses.*** Essay-Based students must take 6 credits and Coursework-Based students must take 12 credits in their chosen focus area. If you have approval from the Master's Director of Graduate Studies, you may input a course not found from the preselected list. Note, the drop down boxes may not update if viewing this form in-browser or in certain PDF viewers.**

Other Requirements:

Laboratory Safety

- ◯ **I attended JHU for undergrad; this requirement is waived due to having taken EN.540.490 (Leave table below blank).**
- ◯ **I am a Coursework-Only student and am exempt from this requirement (Leave table below blank).**

Sem/Year	Course	Grade
	EN.500.601 - Research Laboratory Safety	

RESET "LABORATORY SAFETY" FIELDS ABOVE

At least one (1) semester of each of the following:

Sem/Year	Course	Grade
	EN.500.603 - Graduate Orientation and Academic Ethics	
	EN.540.600/601 - Chemical and Biomolecular Engineering Seminar I/II	

Responsible Conduct of Research

Sem/Year	Course	Grade
	AS.360.624* - Responsible Conduct of Research	

Master's students funded through formal NIH training grants or fellowships must **also** complete the in-person training course (AS.360.625). Click here for details.

Essay Title: (Write "N/A" if Course-Based Student)

_____

Required Signatures:

Faculty Advisor:

I, _____, hereby verify that I have evaluated this student's Plan of Study above. I confirm that it fulfills all academic requirements set forth in the MSE Student Handbook neccessary to earn a Master of Science in Engineering Degree from the Department of Chemical and Biomolecular Engineering.

_____ _____

Advisor's Signature **Date**

Departmental Representative

I certify that the courses listed above have been completed and the grades indicated are accurate and final.

_____ _____

Signature of Departmental Representative **Date**