Updated: Sept 2022

Certificate of Departmental Approval

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

Declared MSE Program Type: ◯ Essay-Based ◯ Design-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)					
	(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)
- ◯ **Design-Based:** 9 credits of graduate-level coursework; at least 3 of which from ChemBE courses (540.6XX)
- ◯ **Course-Based:** 21 credits of graduate-level coursework; at least 9 of which from ChemBE courses (540.6XX)

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

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	

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: (Leave Blank if Course-Based Student)

_____

This is to certify that this Academic Plan has been reviewed as having satisfied all of the academic requirements laid down by the Department for granting a Master of Science in Engineering Degree in the Department of Chemical and Biomolecular Engineering.

_____ _____

Advisor's Signature **Date**

Once all of the above has been completed with the exception of your final semester's grades, this form should be returned to the MSE Academic Staff Member.

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

_____ _____

Signature of Departmental Representative **Date**