



### D. Eng. in ASM Study Plan

Please complete the tentative course plan with your faculty advisor. The study plan should be submitted to the program coordinator and approved by the program director before the first registration.

Name: \_\_\_\_\_ First Enrollment Term: \_\_\_\_\_

UMID: \_\_\_\_\_ Expected Graduation Date: \_\_\_\_\_

Faculty Advisor: \_\_\_\_\_ Research Area: \_\_\_\_\_

**Section 1. Coursework requirement (min. 6 Credits)**

Course	Title	Term		Grade	Credit Hours
		Planned	Actual		

Curricular Qualification Courses\* 1. \_\_\_\_\_ 2. \_\_\_\_\_

**Section 2. Research requirement (Fill in year and # of credits per term. ASM 791: min. 3 credits, ASM 980: min. 3 credits, ASM 990: min. 24 Credits)**

Course	Title	Fall	Winter	Summer	Total Credits
-	Responsible Conduct of Research & Scholarship (RCRS) Required**				-
ASM 791	Doctoral Directed Study				
ASM 980	Pre-candidate Dissertation Research				
ASM 990	Doctoral Dissertation				
ASM 990	Doctoral Dissertation				
ASM 990	Doctoral Dissertation				
ASM 990	Doctoral Dissertation				

Student (signature): \_\_\_\_\_ Date: \_\_\_\_\_

Faculty Advisor (signature): \_\_\_\_\_ Date: \_\_\_\_\_

Program Director (signature): \_\_\_\_\_ Date: \_\_\_\_\_

**Section 3 Plan review and update (please include attachments if needed.)**

Plan Update (Date)	Comments	Student Initials	Advisor Initials	Director Initials

\*The program does not have a written qualifying examination but instead a curricular qualification requirement. A student must obtain a cumulative GPA of 3.5/4.0 and B+ or above for both curricular qualification courses. If a student obtains B+ for both courses, the student is allowed to select another course as a qualification course and must get A- or above to meet the curricular qualification requirement. No additional attempt is allowed. The courses must be selected as recommended and approved by the faculty advisor.

\*\*Detailed information on RCRS can be found in the student handbook. Taking ENGR 700 offered in Winter terms will meet this requirement.

### **Time limit and continuous registration requirement**

The D.Eng. in ASM program has a time limit of 3 years for completion. Students are expected to complete the degree within 2 years after achieving candidacy, but no more than 3 years from the date of the first enrollment in the program. All D.Eng. in ASM students are required to register for either program coursework or dissertation credits every Fall and Winter semester unless they are on an approved leave of absence.

### **Early start research and research maintenance requirements**

The students are expected to engage in research work from the first year of the program. To facilitate that, each student should have a faculty research advisor at the beginning of the first semester and develop the dissertation research topic with the faculty advisor by the end of the second semester in the program. There is an additional requirement that at least 6 credit hours of faculty-guided research (ASM 791 and ASM 980) be completed within the first year of enrollment in the program. All students must take **ASM 791-Doctoral Directed Study** during the first semester and **ASM 980-Pre-Candidate Dissertation Research** during the second semester.

The required outcomes of **ASM 791** include:

- Well-defined research topic/objective/technical approach
- In-depth literature reviews

The required outcomes of **ASM 980** include:

- An approved dissertation committee
- Promising preliminary study results
- Well-developed research plan and milestones, and
- Successfully **passed dissertation proposal examination**, which covers the fundamentals of the research related to student's dissertation research area.
- If a student does not pass the proposal examination during the first attempt, and "I" grade will be assigned for the course. The student must retake both ASM 980 and the dissertation proposal examination in the following semester. If the student passes the examination during the second attempt, an "S" grade will be assigned to the course for both terms of enrollment. If the student fails the examination during the second attempt, they will be required to withdraw from the program.

All D.Eng. in ASM students will be required to take a series of non-credit short courses and workshops. (ENGR 700 offered in Fall terms will meet this requirement.) Professional workshops offered outside of the university with a certificate may be considered with the student's petition and approval.

Topics include:

- Project Management
- Leadership and Responsibilities
- Collaboration and Teamwork
- Surviving Complex Projects
- Business Startups and Patent Law
- Diversity, Equity, and Inclusion
- Presentation and Communication
- Career Path in and Outside Academia