Carnegie Mellon University
Master of
Software Engineering

Information Systems – Master of Software Engineering in Scalable Systems
Accelerated Master's Program

Eligibility	
Academic requirement	• CMU undergraduate students the Information Systems program • Strong academic background • Most undergraduate requirements completed
Apply Junior Year	To be eligible for the IS – MSE-SS Program, candidates must apply in the fall semester of their junior year and will begin taking courses in the fall of their senior year.

Standard Application Materials		
1.	Application Deadline	Submit application by deadline found on the website: https://mse.isri.cmu.edu/applicants/mse-amp.html
2.	Application	Apply online: https://applygrad.cs.cmu.edu/apply/index.php?domain=88
3.	2 Letters of Recommendation	At least one (1) of your recommenders should know you in a professional setting (full-time employment, internship, part-time employment, research, non-academic extracurricular activity, etc.) You may opt to have up to three (3) recommendations submitted in support of your application.
4.	Unofficial Transcript(s)	You are required to upload electronic transcripts from each college/university that you attended in which you completed coursework. Do not send official transcripts at this time.
5.	Statement of Purpose	An essay describing your interest in software engineering and how your experience and proposed study will help you reach your career goals.
6.	Resume	A current resume with your education information, work experience (including internships and hourly positions) and extracurricular information
7.	GRE/GMAT	Both are optional. An application without test scores is not at a disadvantage; however, applicants who have taken the GRE or GMAT are encouraged to submit their scores. The GRE at Home Test is accepted.

Additional AMP Application Requirements		
8.	Signed AMP Form	Completed **Undergraduate Course Requirements form (AMP form)** with advisor's signature
9.	Required Interview	**Interviews are required**. You must contact the Senior Admissions Officer by email to schedule your interview. Schedule as soon as possible. Email: mpawlak@andrew.cmu.edu
10.	Bachelor's Degree Requirement	The completed bachelor's degree requirement is waived for AMP applicants

Financial Aid Information
Financial aid for your senior year (first year taking MSE courses) will continue as it has in prior years
Undergraduate students do not qualify for MSE program financial aid
Students are eligible for aid in the final two semesters of the IS – MSE-SS (after having **completed** a bachelor's degree)

MSE Degree Requirements	
Units required	153 units are required to complete the MSE-SS program
Undergrad units toward the MSE degree	Up to 48 units of undergraduate classes completed while enrolled in the MSE-SS program may be transferred and counted toward the required 153 units. Courses should be upper division and relevant to the content of the MSE-SS degree. A **grade of B or better** must be earned in order to count the units toward the MSE-SS degree.
Units remaining	Students able to transfer the total 48 units will complete the remaining 105 MSE-SS units
	Some MSE-SS courses may fulfill undergraduate requirements. You should discuss this with your undergraduate advisor.
Prerequisite Coursework	Prerequisite courses in programming, data structures and the foundations of software engineering must be successfully completed prior to enrolling in the program. Prerequisite course grades should be a "B" or higher. Students who do not meet the prerequisite will not be eligible to enroll.

Senior	
Fall	**Spring**
95-422 Managing Digital Transformation (9 units)	Innovation and Entrepreneurship Requirement (9-12 units)
Concentration research (12 units)	17-636 (Mini-3) Applied Distributed Systems (6 units)
Gen Ed (9 units)	17-646 (Mini-4) DevOps and Continuous Integration (6 units)
17-611 (Mini-1) Statistics for Decision Making (6 units)	17-635 (Mini-3) Software Architectures (6 units)
17-626 (Mini-2) Requirements for Info Systems (6 units)	17-643 (Mini-4) Quality Management (6 units)
17-623 (Mini-2) Quality Assurance (6 units)	17-647 (Mini-4) Data Intensive and Scalable Systems (6 units)
Total: 45-48 units	**Total**: 45-48 units
Summer following Senior Year	
17-667 Internship for Software Engineers (3 units)	
5th Year Master's	**5th Year Master's**
Fall	**Spring**
17-603 Communications for Software Leaders I (3 units)	17-604 Communications for Software Leaders II (3 units)
17-612 (Mini-1) Business & Marketing Strategy (6 units)	17-675 Software Engineering Practicum (36 units)
17-614 (Mini-1) Formal Methods (6 units)	17-674 Software Engineering Practicum Bootcamp (0 units)
17-615 (Mini-1) Data Structures and Algorithms (6 units)	SE Free Elective (12 units)
17-625 (Mini-2) Design Patterns and API Design (6 units)	**Total**: 51 units
17-622 (Mini-2) Agile Methods (6 units)	
17-632 (Mini-2) Software Project Management (6 units)	
SE Free Elective (12 units)	
Total: 51 units	

Contact Information:

mse-applications@andrew.cmu.edu

Marlana Pawlak (mpawlak@andrew.cmu.edu)
MSE Senior Admissions Officer
300 South Craig Street, Room 278

Travis Breaux (tdbreaux@andrew.cmu.edu)
MSE Program Director
300 South Craig Street, Room 277

Accelerated Master's Program (AMP) Undergraduate Course Requirements Form

This form is required as part of the application for admission.
Please upload this completed form to your online application.

All students applying to the AMP must complete this form with their undergraduate advisor's signature, listing their undergraduate degree requirements (specific courses that are required, electives AND any other units required to complete their bachelor's degree) that are remaining in their junior and senior years.

Carnegie Mellon undergraduate students are eligible to apply for admission to the AMP only if the student will have the ability to enroll in the necessary number of graduate courses during their senior year:
- AMP: 48 UNITS OR MORE MUST BE TAKEN IN THE FINAL TWO SEMESTERS OF UNDERGRADUATE PROGRAM

Carnegie Mellon undergraduate students are eligible to "double count" certain undergraduate coursework towards their master's degree requirements to a maximum of 48 units.

All graduate courses taken during their senior year must have earned grades of B- or better.

Student Name: _____

Student Signature: _____ Date: _____

Number of units required to complete bachelor's degree: _____

Please legibly list the remaining required courses you need to take in order to complete your undergraduate degree, what semester you plan to take them, and how many units you will earn for each course:

Required Courses Remaining

Course Number	Course Title	Semester	Units

Advisor Name: _____

Advisor Signature: _____ Date: _____