

Curriculum of Study for Master of Science in Software Management Degree (16-month program)

Fall 2022: First Term

Required Course units: 48

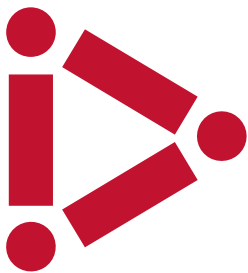
Minimum Units: 48

Maximum Units: 54

Curriculum Plan

Course #	Course Title	Semester	Units	Code
Required Courses				
49-760	Foundations of Software Management	Semester	12	R
49-786	Software Engineering Management	Semester	12	R
49-752	Product Definition & Validation	Semester	12	R
Elective Course				
Various	TBD – selected at New Student Orientation	Semester	12	RE
Professional Development Courses*				
49-794	Software Management Industry Workshop	Semester	3	O P

*Students will be automatically registered into their required courses for the first fall semester. While the professional development course is not required, students are highly encouraged to enroll in this course.



Spring 2023: Second Term

Required Course units: 48

Minimum Units: 48

Maximum Units: 60

Curriculum Plan

Course #	Course Title	Semester	Units	Code
Required Courses				
49-771	Process & Project Management	Mini 3	12	R M
49-762	Software Product Strategy	Mini 3	12	R M
49-763	The Business of Software	Mini 4	12	R M
Elective Course(s)				
Various	Electives	Mini 4	12	E M

Summer 2023: Third Term

Required Course units: 3

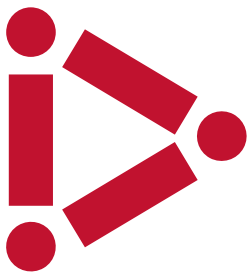
Course #	Course Title	Semester	Units	Code
Internship				
49-793	Practical Training in Software Management	Semester	3	R P

Fall 2023: Fourth Term

Required Course units: 48

Minimum Units: 48

Maximum Units: 60



Course #	Course Title	Semester	Units	Code
Elective Course(s)				
Various	Elective	Mini 1	12	E M
Various	Elective	Mini 2	12	E M
Various	Electives (some electives are full semester)	Semester	12	E
	<u>Applied Learning Requirement</u> One of the following courses required in final fall term.			
49-792	Software Management Practicum	Semester	12	R
49-808	Integrated Innovation for Large Scale Problems	Semester	12	R

Key for Code:

R = required course

E = elective: a graduate level course appropriate to the SM program

M = mini course: this course is taught in an 8-week format

O = Optional; highly recommended for MSSM students

P = Pass/No Pass units

RE = restricted elective: select from a limited set of courses

Curriculum Requirements

- The 3-semester curriculum requires students to complete a minimum of 144 units of course work over three semesters and a summer: Fall, Spring & Fall; plus a summer internship.
- Only two-12 unit mini courses may be completed at one time due to the high time commitment required for each.
- Students must have a minimum QPA of 3.0 to graduate.
- For additional details regarding degree requirements, review the full Graduate Student Handbook [here](#).

*All degree course plans are reviewed and updated annually during the spring semester.

If you have any questions regarding updates, please email: iii@cmu.edu.

Last Updated: 8/5/2022