

MSIT Project

The purpose of the MSIT Project is for you to demonstrate command of the material learned in the core and electives courses you have taken. You will do so by solving a substantial practical problem in a realistic setting. Your focus will be to understand a major aspect of the software development life cycle in detail.

While the MSIT Project is intended for individual students, it may be completed in very small teams of no more than three people. All members of the team must have completed the core courses in the MSIT program. A team project must be more significant in scope than a project by an individual.

The MSIT Project may be completed on campus or off campus at your place of work.

The steps for the MSIT Project are:

1. Propose a project. This will take the form of a formal document and will be considered the first deliverable of the project. The proposal must include

- an executive summary
- a definition of the work to be completed, including
 - Deliverables*
 - Timelines
 - Reviews
 - Final report
- two advisors (A technical advisor who can evaluate the content of your work and a Carnegie Mellon faculty mentor who will evaluate the correctness of your process.)
- a proposal of how you want the grade to be generated from the MSIT Project material
- a completed table (see below)

Core Course	Areas of interest as they apply to the MSIT Project	How will they be applied in the MSIT Project?
Models of Software Systems (17651)		
Methods of Software Development (17652)		
Managing Software Development (17653)		
Analysis of Software Artifacts (17654)		
Architectures for Software Systems (17655)		

3. Discuss the project. Discussions will take place with your faculty mentor, technical advisor, and your work supervisor (if the MSIT Project is done off campus in cooperating with your employer). Your technical advisor may be your supervisor.

* Deliverables will always include a report which addresses the strengths and weaknesses of the technique in the chosen domain and relates what went well and what did not.

4. Receive approval. Approval usually occurs after all parties involved have agreed on the proposal, deliverables, clarified any issues, and contact between the mentor and the advisor has taken place. Approval will be in writing from the Carnegie Mellon faculty mentor.

5. Begin the project. Report periodically to your faculty mentor and technical advisor.

An alternative to the outlined MSIT Project is to participate in the development phase of an existing MSE studio project. The deliverables are the work performed as part of the studio project in addition to a specialized area of the software development process on which you would report.

If you decide to work with an MSE team must, you still must submit a proposal for evaluation. In addition, the team must agree to your participation. You will need to participate in the end of semester presentation and the final products for the MSE project.