

Students may elect to earn an MS degree as part of their PhD studies. CS 600, CS 700 and 12 credits of advanced graduate courses taken as part of the coursework for the PhD degree can also be applied towards the MS degree.

The following slides illustrate two scenarios in which a student can get a MS along the way to a PhD.

Example Scenario 1

Scenario where student comes in with a BS and gets a MS CS and a PhD CS. Student would take 10 courses that satisfy both CS PhD and MS CS course requirements

Basic Courses (including courses needed for PhD Quals prep)

CS 583, CS 584, CS 580, CS 555, CS 571

Advanced Courses:

CS 600 (Theory of Computation)

CS 657 (Mining large datasets with Map Reduce)

CS 675 (Distributed Systems)

CS 700 (Quantitative Methods)

CS 795 Sustainable Computing

CS 896 18 credits

CS 998/999 24 credits

Example Scenario 2

Here is a scenario for a student who wants to get a MS SWE and a PhD CS:

SWE 619 - core course

SWE 621 - core course

SWE 622 - core course

SWE 637 - core course

CS 583 - SWE elective

CS 550 - SWE emphasis course

SWE 632 - SWE emphasis course + PhD advanced

SWE 722 - SWE emphasis course + PhD advanced

SWE 763 - SWE elective + PhD advanced

CS 700 - SWE elective

CS 600

Another SWE/CS course that qualifies as PhD advanced

CS 896 - 12 credits

CS 998/999 - 24 credits.

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In this scenario, the student would need to take two additional courses (CS 600 and an advanced PhD course) beyond the courses needed for the MS SWE.