

These are the graduation rules for each program that your implementation of GRADS is expected to compute. Do not confuse these with the SOFTWARE REQUIREMENTS, which describe how the system is to be implemented and the properties it should exhibit.

Graduation rules are referred to with a NAME_WITH_UNDERSCORES. This is a special name to refer to these “rule checks” by in the generated progress summary so we can identify and examine each rule when testing your code.

Ph.D. Rules

- Including:
 - CORE_COURSES_PHD:
 - Must pass the following:
 - CSCE 513 - Computer Architecture
 - CSCE 531 - Compiler Construction
 - CSCE 551 - Theory of Computation
 - CSCE 750 - Analysis of Algorithms
 - CSCE 791 - Seminar in Advances in Computing
 - Courses become invalid after six years.
 - ADDITIONAL_CREDITS_PHD:
 - Students must pass 20 hours of CSCE courses numbered above 700 that are not any of the above courses (excluding CSCE 799 and 899).
 - Courses become invalid after six years.
 - DEGREE_BASED_CREDITS_PHD:
 - If the student has a masters degree already (MS,MENG,MSE), they must pass at least 24 hours in CSCE courses numbered 700 or above (excluding CSCE 799 and 899).
 - If the student lacks a masters degree, they must pass a minimum of 48 credit hours in graduate courses (excluding CSCE 799 and 899).
 - Of the 48 hours, at least 24 must be in CSCE courses numbered 700 or above.
 - Courses become invalid after six years.
 - THESIS_CREDITS_PHD:
 - Students must pass 12 hours of dissertation preparation (CSCE 899)
 - Courses become invalid after six years.
 - TIME_LIMIT_PHD:
 - A student must complete all degree requirements within a period of eight years after being admitted to the program as a regular student.
 - GPA:
 - For graduation a student must have a 3.0 GPA on all graduate courses taken and all courses taken at the 700 level or above.
 - MILESTONES_PHD:
 - Dissertation Advisor Selected
 - Program of Study Submitted
 - Dissertation Committee Formed

- Qualifying Exam Passed
- Dissertation Proposal Scheduled
- Comprehensive Exam Passed
- Dissertation Submitted
- Dissertation Defense Scheduled
- Dissertation Defense Passed

M.S. Rules

- Including:
 - CORE_COURSES_MS:
 - Must pass the following:
 - CSCE 513 - Computer Architecture
 - CSCE 531 - Compiler Construction
 - CSCE 750 - Analysis of Algorithms
 - CSCE 791 - Seminar in Advances in Computing
 - ADDITIONAL_CREDITS_MS:
 - Students must pass 8 hours of CSCE courses numbered above 700 that are not any of the above courses (excluding CSCE 799).
 - CSCE 797 may not be applied toward the degree.
 - DEGREE_BASED_CREDITS_MS:
 - Students must pass a minimum of 24 credit hours in graduate courses (excluding CSCE 799).
 - Students may count a maximum of 6 hours in non-CSCE courses
 - At most, 3 hours of CSCE 798 may be applied toward the degree.
 - CSCE 797 may not be applied toward the degree.
 - THESIS_CREDITS_MS:
 - Students must pass 6 hours of thesis preparation (CSCE 799)
 - TIME_LIMIT:
 - A student must complete all degree requirements within a period of six years after being admitted to the program as a regular student.
 - GPA:
 - For graduation a student must have a 3.0 GPA on all graduate courses taken and all courses taken at the 700 level or above.
 - MILESTONES_MS:
 - Academic Advisor Appointed
 - Thesis Advisor Selected
 - Program of Study Submitted
 - Thesis Committee Formed
 - Thesis Proposal Scheduled
 - Thesis Proposal Approved
 - Thesis Submitted
 - Thesis Defense Scheduled
 - Thesis Defense Passed

M.Eng. Rules

- Including:
 - CORE_COURSES_MENG:
 - Must pass the following:
 - CSCE 513 - Computer Architecture
 - CSCE 531 - Compiler Construction
 - CSCE 750 - Analysis of Algorithms
 - CSCE 791 - Seminar in Advances in Computing
 - ADDITIONAL_CREDITS_MENG:
 - Students must pass 11 hours of CSCE courses numbered above 700 that are not any of the above courses (excluding CSCE 799).
 - CSCE 797 may not be applied toward the degree.
 - DEGREE_BASED_CREDITS_MENG:
 - Students must pass a minimum of 30 credit hours in graduate courses.
 - Students may count a maximum of 6 hours in non-CSCE courses
 - At most, 3 hours of CSCE 798 may be applied toward the degree.
 - CSCE 797 may not be applied toward the degree.
 - TIME_LIMIT:
 - A student must complete all degree requirements within a period of six years after being admitted to the program as a regular student.
 - GPA:
 - For graduation a student must have a 3.0 GPA on all graduate courses taken and all courses taken at the 700 level or above.
 - MILESTONES_MENG:
 - Academic Advisor Appointed
 - Program of Study Submitted
 - Comprehensive Exam Passed

M.S.E. (Masters of Software Engineering) Rules

- Including:
 - CORE_COURSES_MSE:
 - Must pass the following:
 - CSCE 740 - Software Engineering
 - CSCE 741 - Software Process
 - CSCE 742 - Software Architectures
 - CSCE 743 - Software Requirements
 - CSCE 747 - Software Testing
 - ADDITIONAL_CREDITS_MSE:
 - Students must pass 15 hours of CSCE courses numbered above 700 that are not any of the above courses.
 - The courses must be taken from the following:
 - CSCE 510 - System Programming
 - CSCE 512 - System Performance Evaluation

- CSCE 515 - Computer Network Programming
- CSCE 516 - Computer Networks
- CSCE 520 - Database System Design
- CSCE 522 - Information Security Principles
- CSCE 547 - Windows Programming
- CSCE 721 - Physical Database Design
- CSCE 723 - Advanced Database Design
- CSCE 725 - Information Retrieval: Algorithms and Models
- CSCE 744 - Object-Oriented Analysis and Design
- CSCE 745 - Object-Oriented Programming Methods
- CSCE 767 - Interactive Computer Systems
- CSCE 782 - Multiagent systems
- CSCE 821 - Distributed Database Design
- CSCE 822 - Data Mining and Warehousing
- CSCE 826 - Cooperative Information Systems
- CSCE 846 - Software Reliability and Safety
- MGSC 872 - Project Management
- EXPERIENCE:
 - Students must pass CSCE 793 - Internship in Software Engineering.
- TIME_LIMIT:
 - A student must complete all degree requirements within a period of six years after being admitted to the program as a regular student.
- GPA:
 - For graduation a student must have a 3.0 GPA on all graduate courses taken and all courses taken at the 700 level or above.
- MILESTONES_MSE:
 - Academic Advisor Appointed
 - Program of Study Submitted
 - Comprehensive Exam Passed
 - Report Submitted
 - Report Approved

Certificate of Graduate Studies in Information Assurance and Security Rules

Note - this is an optional certificate taken in addition to any of the above degrees. If students are enrolled in this certificate, their progress summary should reflect these rules in addition to the rules of their actual degree.

- Including:
 - CORE_COURSES_INFAS:
 - Must pass the following:
 - CSCE 522 Information Security Principles
 - CSCE 715 Network Systems Security
 - CSCE 727 Information Warfare

- ADDITIONAL_CREDITS_INFAS:
 - Students must pass 18 hours of additional graduate coursework.
 - At least 9 hours must be CSCE courses numbered above 700 that are not any of the above courses (excluding CSCE 799).
 - Students may count a maximum of 6 hours in non-CSCE courses.
 - The Graduate School also limits the number of hours that may be included in another master's degree to 9 hours. Thus, to complete a masters and the certificate requires at least 39 carefully selected hours.
- TIME_LIMIT_INFAS:
 - A student must complete all certificate requirements within a period of six years after being admitted to the program as a regular student.
- GPA:
 - For graduation a student must have a 3.0 GPA on all graduate courses taken and all courses taken at the 700 level or above.