CMU CS Academy CPCS Course Info

Course Number	15-111
Course Title	College Programming and Computer Science (15-111)
Units/Credits	12 CMU units (equivalent to 4 college credits)
Prerequisites	High school students who take this course for CMU credit should have at least one prior full-year course of programming (in any language) or the equivalent, preferably APCS-A or its equivalent, and must have their teacher's permission based in part on their performance on the required/recommended math pre-test.
Outcomes	Students who complete this course and pass the CMU-supplied and CMU-graded final exam with a C or better can have their final grade transcripted as 15-111. This would count as a prerequisite for any CMU course requiring 15-112 and the student could transfer the credits to any other college as appropriate. Most colleges will transfer credit for courses with a grade of C or better. After the 2023 pilot, students informed us that they received course credit from schools including Carnegie Mellon, Purdue, U Maryland, U Mass, U Va, U Wisconsin, and Northern Va Community College.
Course Description	A college-level introduction to the foundations of programming with an emphasis on problem-solving in Python with clear, robust, and reasonably efficient code using top-down design, informal analysis, and effective testing and debugging. Topics include data and expressions, conditionals, loops, strings, 1d and 2d lists, animations using model-view-controller, sets, dictionaries, efficiency and Big O, object-oriented programming, recursion and backtracking.

Important Dates:

Date(s)	Event(s)
February 15, 2024	15-111 Practice Exam is available
Feb 15 - April 15, 2024	15-111 Exam signup and CMU Course Enrollment Petition submission period (students who sign up will be billed $200)
April 30, 2024	Students billed; payment due **no later** than May 15; paid list will be printed April 15, April 30, May 15.
May 20, 2024	15-111 Exam Date is set to be after AP exams. If a teacher has an approved conflict, we will allow an alternate date soon after the official date.
June 2024	15-111 Exam grades will be released by early June and CMU transcripts will be available soon after.
July 31, 2024 - July 31, 2025	Transcript Redaction Period Students who take the 15-111 exam and do not wish to have their grade reported will have one calendar year to request that CMU redact the transcript.