

Roosevelt University

Evelyn T. Stone University College - Bachelor of Professional Studies

BPS Transitions: Computer Science to Master of Science in Computer Science

Student _____ Advisor _____

Phone _____ ID# _____ Date _____ Unofficial Official

BGS 201 or 302 (Pro-Seminar **OR** Methods of Critical Reasoning)

(Note: BGS 302, for Fast Track **AND** Next Step students, requires AA/AS degree **OR** 60 s.h. with 2.0 gpa)

RECOMMENDED INTRODUCTORY WORK: _____

UNIVERSITY WRITING REQUIREMENT: ENG 101 _____ ENG 102 _____ Other ENG _____

BGS 290 Technological & Quantitative Literacy

(suggested introductory work for students with no previous computer coursework)

MAJOR COURSES All CST courses must be passed with a C or higher. A minimum of 12 s.h. of CST courses (excluding experiential/proficiency credit) must be taken at Roosevelt University.

CORE COURSES:

CST 150 _____
Computer Science I

CST 250 _____
Computer Science II

CST 261 _____
Micro. Struct. & Assembler

CST 270 _____
Systems Analysis & Design

CST 280 _____
Comp. Sci. III Data Struct.

CST 340 _____
Computer Architecture

CST 417 _____
Operating Systems Conc.

CST 433 _____
Database Design

Computing Electives: Choose any one 200-level (or above) and three 300-level CST courses.

CST 2__ _____

CST 3__ _____

CST 3__ _____

CST 3__ _____

SUPPORTING COURSES:

MATH 121 _____
College Algebra

MATH 245 _____
Discrete Structures

PHIL 210 _____
Logic

MATH 202 or 231 _____
Mathematica Analysis for Bus. & Soc. Sci. or Calc I

MATH 300 or 217 _____
Linear Algebra or Intro to Probability and Statistics

INTERDISCIPLINARY SEMINARS (Note: May waive one Seminar with 9 s.h. transfer credit in area, not used elsewhere in curriculum, with 2.0 gpa. Students with AA/AS or 60 s.h. may waive two Seminars with 9 s.h. in two areas and 2.0 gpa.)

BGS 390 Seminar in Social Sciences _____

BGS 391 Seminar in Natural Sciences* _____

BGS 392 Seminar in Humanities _____

BGS 399 SENIOR THESIS _____

*Students must take at least one BGS Interdisciplinary Seminar. Students needing at least 2 seminars may substitute PHYS 365 and 366 for Natural Sciences.

I fully understand that the courses listed on this checksheet are the requirements for this major. Any change of major may require different and/or additional courses. DATE _____

STUDENT'S SIGNATURE _____ ADVISOR'S SIGNATURE _____

SEE REVERSE FOR IMPORTANT NOTES.

Notes Concerning the BPS Major in Computer Science

1. A maximum of 9 semester hours of CST credit can be earned through experiential/proficiency credit. A memo explaining the procedure is available from the CST school office (847) 619-8538.
2. Prior to registering for CST courses, students should contact a CST advisor at the Downtown Campus at (312) 281-3201 or at the Robin Campus at (847) 619-8537. The BPS advisor should be consulted for other courses.
3. Students with little or no on-the-job experience should consider pursuing an internship. The Career Planning Office can assist in the search for an area company willing to provide internship opportunities. Three semester hours of CST 395 credit can be earned through such internship programs. Contact the CST Director for more information in this regard.

Students who have completed the following courses with grades of C or higher are eligible for a Computer Science Certificate. Students must complete a graduate application and submit it by the published date to receive the certificate.

A. Math Background: MATH 121 or 245 _____
Prerequisite to MATH 245 is MATH 121 or College Algebra or Discrete Structures

B. CST Courses:

CST 150 _____
Computer Science I (Prereq. MATH 116 or 118 or 121)

CST 250 _____
Computer Science II (w/MATH 245)

CST 261 _____
Microcomp. Structure & Assembler

CST 270 _____
Systems Analysis Design

CST 333 _____
Database Design

CST 280 _____
Comp. Science III/Data Structures

CST 3 _____
300-level elective

***TRANSITIONS* – Your quick link to graduate study! BPS in Computer Science to Master of Science in Computer Science**

Students must choose the Transitions option within the first two semesters of undergraduate study at Roosevelt. Students will automatically be eligible for admission into the CST - MCST program if they have a GPA of 2.8 or higher. Students with a GPA of 2.5 to 2.79 will be granted probationary admission and will be limited to two courses in their first term as a graduate student. Students should meet with a Graduate Admission officer in their second-to-last semester. An application for Graduate Admission stamped with a Transitions stamp is due when registering for the last semester as a BGS student.

Transitions students who will be within 6 hours of graduation by the end of the semester, have completed all English requirements, whose GPA is 2.7 or higher, and who have applied for graduation should obtain an approved "Application to Register for Graduate Courses" form from their undergraduate program advisor to be authorized to register for graduate courses.

Conditions for admission to the Graduate Program may be changed at the discretion of the department with the approval of the Graduate Committee.

Transitions students do not pay a graduate application fee.

The first 2 graduate courses (CST 431 and 448) in the Telecommunications program must be taken prior to the student receiving an undergraduate diploma. Students pay graduate tuition for these courses, but they have two fewer courses to take in their combined undergraduate/graduate program. For specific graduate degree requirements, students should see the Graduate Catalog for the year in which they will begin coursework.

The first 2 graduate courses (CST 417 and 433) in the CST program must be taken prior to the student receiving an undergraduate diploma. Students pay graduate tuition for these courses, but they have two fewer courses to take in their combined undergraduate/graduate program. For specific graduate degree requirements, students should see the Graduate Catalog for the year in which they will begin coursework.

The undergraduate degree must be posted in Banner before the student can register for any additional graduate courses.

Students who do not complete the combination Transitions program must take the missing undergraduate courses to graduate.

NOTE: Federal financial aid and grant funds cannot be applied to graduate courses. Students are urged to consult with a Financial Aid counselor to determine whether scholarships can be applied or how their financial aid will be affected.