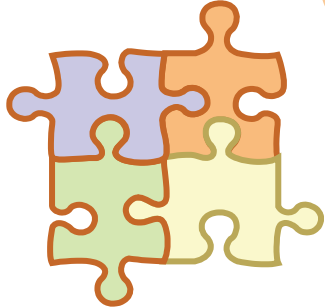


COMPUTER SCIENCE TRANSFER ASSOCIATE DEGREE IN ENGINEERING TRANSFER

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE ENGINEERING & SCIENCE TRANSFER DEPARTMENT



LIKE TO SOLVE
PUZZLES?

**Want to design games?
Build a better search engine?
Write software for medical imaging?
Create artificial intelligence?
Design new, larger more searchable data bases?
Become a Computer Scientist!**

For the last decade, Money Magazine ranked computer oriented careers in the top 10 most rewarding careers.

Computers are everywhere in today's society. They process the transactions of international banks, communications satellites, video games, and even the fuel and ignition systems of automobiles.

Computer software is as common-place in the areas of education and recreation as it is in science and business. There is virtually no field or profession that does not rely upon computer science for the problem-solving skills and the production expertise required in the efficient processing of information. Computer scientists function in a wide variety of roles ranging from pure theory and design to programming and marketing.



Entrance Requirements

Students from this department have successfully transferred to over 60 four year colleges and universities such as UMass, RPI, WPI, and Cornell. The Department has a Joint Admissions Program with UMass as well as articulation agreements with Rensselaer, Western New England College, A.I.C., Springfield College, Westfield State and other state colleges.

In order to be admitted to the Engineering Transfer Programs a student should have completed two years of algebra, one year of geometry, one year of trigonometry or senior math, and one year each of chemistry and physics with grades of "B" or better. Applicants should also have achieved minimum SAT scores of 500 in math and 350 in English.

Students who have completed a C++ programming class in high school and earned a grade of "B-" or better can take a challenge examination to receive credit for the freshman Computer Science 1 course.

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CURRICULUM OF THE COMPUTER SCIENCE
OPTION OF THE ENGINEERING AND SCIENCE TRANSFER DEPT.
SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

\$52,177
WAS THE
AVERAGE SALARY
OFFER FOR A JUNE
2007 GRADUATE
WITH A B.S. IN
COMPUTER
SCIENCE

The mission of the Engineering and Science Transfer Department is to provide students with the first two years of a 4-year engineering or science based curriculum. The quality and breadth of this education is such that the students are able to transfer to any 4-year college or university and complete their Baccalaureate Degree in two additional years. This curriculum offers the student cost effective

Semester One

Calculus 1

Introduction to Computer Science

Introduction to Java Programming

English Composition 1

Elective: Social Science

Semester Two

Calculus 2

Intermediate Topics in Java Programming

University Physics 1

English Composition 2

Elective: Social Science/Humanities

Semester Three

Calculus 3

Computer Organization & Digital Logic

Data Structures & Algorithms

University Physics 2

Elective: Social Science/Humanities

Semester Four

Discrete Structures

Linear Algebra

Machine & Assembly Language

Elective: Computer Science, Engineering or Math

Elective: Social Science/Humanities



For more information, please contact: Antonio Silvestri, Professor, Computer Science Transfer: 413.755.4689 or silvestri@stcc.edu