

WESTERN CONNECTICUT STATE UNIVERSITY

B.A. COMPUTER SCIENCE

Student \_\_\_\_\_  
Box \_\_\_\_\_

Office Admissions Evaluation of Transfer Credit  
Entering Date \_\_\_\_\_ day/eve/full/part-time  
Previous School(s) \_\_\_\_\_

I. GENERAL EDUCATION REQUIREMENTS (42 S.H. plus HPX)\*

Communication Skills (3 S.H.)

COM 160, 161, 162 or 163 \_\_\_\_\_ 3 \_\_\_\_\_

Has completed one Writing Intensive Course Yes \_\_\_ No \_\_\_

Humanities (15 S.H. minimum, including 3 of 6 fields: Fine and Applied Arts - only 1 studio course accepted toward minimum - Foreign Language, Humanistic Studies, Literature, Philosophy, Western History)

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Social & Behavioral Sciences (12 S.H. minimum including 2 of 3 fields: Non-Western Culture, Psychology, Social Sciences)

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Mathematics (4 S.H.)

MAT 171 or 181 \_\_\_\_\_ 4 \_\_\_\_\_

Natural Sciences: (8 S.H. from the following 1 year sequences)

Physics 110 - 111 or Physics 120-121 or  
Chemistry 110 - 111 or Biology 103 - 104 (4-4) 8 \_\_\_\_\_

Health Promotion and Exercise Sciences (2 S.H.)

HPX 177 Fitness for Life \_\_\_\_\_ 2 \_\_\_\_\_

II. MAJOR REQUIREMENTS (57 S.H.)\*\*

CS REQUIRED COURSES: (35 S.H.)

CS 170 Computer Science I: Language \_\_\_\_\_ 4 \_\_\_\_\_  
CS 171 Computer Science II: Data Structures \_\_\_\_\_ 4 \_\_\_\_\_  
CS 205 Data Modeling and Database Design \_\_\_\_\_ 4 \_\_\_\_\_  
CS 215 Architecture \_\_\_\_\_ 4 \_\_\_\_\_  
CS 240 Computer Organization and Software \_\_\_\_\_ 4 \_\_\_\_\_  
CS 305 Database Applications Engineering  
or 350 Object Oriented Software Engineering  
or 360 Distributed Applications Engineering \_\_\_\_\_ 4 \_\_\_\_\_  
CS 315 Algorithms \_\_\_\_\_ 3 \_\_\_\_\_  
CS 355 Programming Languages \_\_\_\_\_ 4 \_\_\_\_\_  
CS 450 Operating Systems \_\_\_\_\_ 4 \_\_\_\_\_

MAT Required Courses: (10 S.H.)

MAT 120 Elementary Statistics \_\_\_\_\_ 3 \_\_\_\_\_  
CS/MAT 165 Introductory Discrete Mathematics \_\_\_\_\_ 4 \_\_\_\_\_  
CS/MAT 359 Intro to Theory of Computation \_\_\_\_\_ 3 \_\_\_\_\_

Computer Science Electives (12 S.H. - See Reverse Side)

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III. FREE ELECTIVES (21 S.H.)+

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Foreign Language Requirement Completed: Yes \_\_\_ No \_\_\_  
+Minimum of 122 S.H. including HPX 177 for B.A. Degree

Number Title Credits

\_\_\_\_\_  
\_\_\_\_\_

Foreign Language Requirement Met Through High School Exemption: Yes \_\_\_ No \_\_\_

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Total Transfer Credits \_\_\_\_\_

\* and \*\* See next page.

## B.A. Computer Science

**Computer Science electives (12 S.H.) must be taken from the following list:**

CS 235	Digital Media	4 S.H.
CS 245	Web Application Development	4 S.H.
CS 250	Advanced Topic in Programming Using JAVA	4 S.H.
CS 270	Computers in Society	3 S.H.
CS 297	Cooperative Education	1 - 4 S.H.
CS 298	Faculty Developed Study	1 - 4 S.H.
CS 299	Student Developed Study	1 - 6 S.H.
CS 285	Artificial Intelligence	4 S.H.
CS 305	Database Applications Engineering (if not used to satisfy the software engineering requirement)	4 S.H.
CS 330	Computer Graphics	4 S.H.
CS 340	Computer Animation	4 S.H.
CS 350	Object-oriented Software Engineering (if not used to satisfy the software engineering requirement)	4 S.H.
CS 351	Independent Study	3 S.H.
CS 360	Distributed Applications Engineering (if not used to satisfy the software engineering requirement)	4 S.H.
CS 399	Honors Project	3 S.H.
CS 410	Compiler Design	4 S.H.
CS 444	Computer Networks	4 S.H.
CS 484	Special Topics In CS	3 S.H.
MAT 182	Calculus II	4 S.H.
MAT 272	Linear Algebra	3 S.H.
MAT 356	Introduction to Operations Research	4 S.H.

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\*General education requirements at Western total 42 semester hours. In some instances, work toward a major program partially fulfills general education requirements. The remaining general education requirements for this program are shown above.

\*\*NOTE: To graduate, a student must have a 2.5 or better average in CS/MAT 165 & CS/MAT 359 and all CS labeled courses that are counted towards the major.

7/04, 6/09, 6/26/09, 9/10, 5/12