

WESTERN CONNECTICUT STATE UNIVERSITY

B.A. MATHEMATICS
Box _____

Student _____

Office Admissions Evaluation of Transfer Credit

Entering Date _____ **day/eve/full/part-time**

Previous School(s) _____

I. GENERAL EDUCATION REQUIREMENTS (40 S.H. plus HPX)*

Number	Title	Credits
_____	_____	_____
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Foreign Language Requirement Met Through High School Exemption: Yes ___ No ___

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Total Transfer Credits _____

5/06, 6/09, 6/26/09, 5/12

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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Natural Sciences & Mathematics (10 S.H. minimum)

♦♦ MAT 181 Calculus I (or MAT 171**) 4 _____

Lab. Science _____ 2, 3, or 4 _____

CS 140 Intro to Programming (or CS 143) 3, or 4 _____

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

HPX 177 Fitness for Life 2 _____

II. MAJOR REQUIREMENTS (45 S.H.)

Required Courses, including MAT 181: (39 S.H.)

MAT 150-151 Mathematics Seminar I & II 1.0 _____

♦ MAT 141 Foundational Discrete Mathematics 3 _____

♦♦ MAT 182 Calculus II 4 _____

MAT 185 Intro to Symbolic Computations 3 _____

♦ MAT 207 Proofs 3 _____

MAT 222 Introductory Statistics 3 _____

♦ MAT 272 Introduction to Linear Algebra 3 _____

♦ MAT 281 Calculus III 4 _____

MAT 282 Differential Equations 3 _____

MAT 332 Intro to Applied Mathematics 3 _____

♦ MAT 375 Algebraic Structures 3 _____

MAT 383 Intro to Mathematical analysis 3 _____

MAT 450/451 Senior Seminar 3 _____

One Course which completes a sequence in Analysis, Algebra, or Applied Math: 3 _____

One elective from the Department's Approved List 3 _____

_____ 3 _____

A year sequence from one of the following (may also be used to satisfy general education requirements) BIO 103-104 or CHE 110-111 or ECO 100-101 or PHY 110-111 (6-8 S.H.)

_____ 3-4 _____

_____ 3-4 _____

III. FREE ELECTIVES+

Foreign Language Requirement Completed: Yes ___ No ___

+Minimum of 122 S.H. including HPX 177 for B.A. Degree

**MAT 171 assumes student also took MAT 170

♦ Minimum grade of C is required

♦♦ Minimum grade of B is required

* 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.

B.A. Mathematics

Approved List of Electives

MAT 250	Mathematical Modeling	3 S.H.
MAT 251	Posing and Solving Problems in Mathematics	3 S.H.
MAT 363	History of Mathematics	3 S.H..
*MAT 298	Faculty Developed Study	1-4 S.H.
*MAT 299	Student Developed Study	1-6 S.H.
MAT 342	Topics in Geometry	3 S.H.
*MAT 351	Independent Study	3 S.H.
MAT 359	Introduction to Theory of Computation	3 S.H.

*The credits from this course may be applied to the major only if the department has approved it for major credit.

5/06, 6/09, 6/26/09, 5/12