

B.A. Mathematics

Group A

MAT 165	Discrete Mathematics for Computer Science	4 S.H.
MAT 220	Intermediate Statistics	3 S.H.
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.

Group B

(Year sequences: MAT 303 & MAT 312 **or** MAT 330-331 **or** MAT 410-411 **or** MAT 481-481)

MAT 381	Advanced Calculus	3 S.H.
MAT 382	Complex Variables	3 S.H.
MAT 410	Mathematical Statistics I	3 S.H.
MAT 411	Mathematical Statistics II	3 S.H.
MAT 431	Numerical Analysis I	3 S.H.
MAT 432	Numerical Analysis II	3 S.H.
MAT 481	Wavelet Analysis I	3 S.H.
MAT 482	Wavelet Analysis II	3 S.H.

Group C

MAT 282	Ordinary Differential Equations	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 356	Introduction to Operations Research	4 S.H.
MAT 358	Introduction to Theory of Computation	3 S.H.
MAT 400	Applied Mathematics	3 S.H.

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

8/01, 7/04, 5/06, 6/09, 6/26/09

WESTERN CONNECTICUT STATE UNIVERSITY

B.A. MATHEMATICS

Student _____

Box _____

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)*

Communication Skills (3 S.H.)

COM 160, 161 or 162 _____ 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)

_____ 3 _____
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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 _____

_____ 2, 3, or 4 _____

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

HPX 177 Fitness for Life _____ 2 _____

II. MAJOR REQUIREMENTS (44-45 S.H.)

Required Courses, including MAT 181: (22 S.H.)

MAT 150-151 Mathematics Seminar I & II _____ 1.0 _____

MAT 182 Calculus II _____ 4 _____

MAT 281 Calculus III _____ 4 _____

MAT 272 Introduction to Linear Algebra _____ 3 _____

MAT 416 Introduction to Abstract Algebra _____ 3 _____

MAT 450 Senior Seminar I _____ 1.5 _____

MAT 451 Senior Seminar II _____ 1.5 _____

CS 170 Computer Science I _____ 4 _____

Choose 2 from Group A (6 S.H.)

MAT _____ 3 _____

MAT _____ 3 _____

Choose a year sequence from Group B (6 S.H.)

MAT _____ 3 _____

MAT _____ 3 _____

Choose 2 from Group B or Group C (6-7 S.H.)

(Group B course other than ones used above for year sequence)

MAT _____ 3 _____

MAT _____ 3-4 _____

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 (6-8S.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

Number	Title	Credits
_____	_____	_____
_____	_____	_____

Foreign Language Requirement Met Through

High School Exemption: Yes _____ No _____

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Total Transfer Credits _____

8/01, 7/04, 5/06, 6/09, 6/26/09

* 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.