

**B.A. Mathematics  
With Computer Science Option**

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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**Natural Sciences & Mathematics (12 S.H. minimum)**

◆MAT 181Calculus I (or MAT 171\*\*) 4 \_\_\_\_\_  
PHY 110-111 or PHY 120-121 4 \_\_\_\_\_  
Or CHE 110-111 or BIO 103-104 4 \_\_\_\_\_

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

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

**II. MAJOR REQUIREMENTS (51 S.H.)**

**Required Math Courses (31 S.H.)**

MAT 150-151 Mathematics Seminar I & II 1.0 \_\_\_\_\_  
◆MAT 165 Introductory Discrete Mathematics 4 \_\_\_\_\_  
◆MAT 182Calculus II 4 \_\_\_\_\_  
◆MAT 207 Proofs 3 \_\_\_\_\_  
◆ MAT 272Linear Algebra 3 \_\_\_\_\_  
◆MAT 281Calculus III 4 \_\_\_\_\_  
MAT 282Differential Equations **OR** 3 \_\_\_\_\_  
MAT 222 Introductory Statistics  
◆MAT 375 Algebraic Structures 3 \_\_\_\_\_  
MAT 332 Intro to Applied Mathematics **OR** 3 \_\_\_\_\_  
MAT 359 Theory of Computation  
MAT 450/451 Senior Seminar 3 \_\_\_\_\_

**Required Computer Science Courses (20 S.H.)**

CS 170 Computer Science I: Language 4 \_\_\_\_\_  
CS 171 Computer Science II: Data Structures 4 \_\_\_\_\_  
CS 205 Data Modeling and Database Concepts 4 \_\_\_\_\_  
CS 315 Design and Analysis of Algorithms 4 \_\_\_\_\_  
One of  
CS 305 Database Applications Engineering 4 \_\_\_\_\_  
CS 350 Object Oriented Software Engineering 4 \_\_\_\_\_  
CS 360 Distributed Applications Engineering 4 \_\_\_\_\_

**III. FREE ELECTIVES+ (27 S.H.)**

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

**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

Number	Title	Credits
_____	_____	_____
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**Foreign Language Requirement Met Through  
High School Exemption: Yes \_\_\_ No \_\_\_**

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

\*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. 7/01, 7/04, 6/09, 6/26/09, 6/12, 10/13