

**WESTERN ILLINOIS UNIVERSITY - DEPARTMENT OF MATHEMATICS**

**B.S. in MATHEMATICS - OPTION D: Actuarial Science**

**(Unspecified) GENERAL EDUCATION**

**For Math Majors: 33 SH**

(See Next Column)

**MATHEMATICS MAJOR COURSES:**

**A. CORE COURSES 19 SH**

MATH 133 4  
 MATH 134 4  
 MATH 231 4  
 MATH 311 3  
 MATH 341 3  
 MATH 391 or 444 1

**B. OPTION COURSES 15 SH**

MATH 383 3  
 MATH 370 3  
 STAT 276 3  
 STAT 471 3  
 STAT 472 3

**C. OTHER COURSES 18 SH**

ACCT 201 3  
 ACCT 371 3  
 FIN 331 3  
 ECON 231 3  
 ECON 232 3  
 CS 114 or CS 214 3

**D. DIRECTED ELECTIVES 6 SH**

Approved courses in Mathematics, Statistics,  
 Decision Science or Finance.  
 May include, 3-6 s.h. of internship, Math 496.

**E. OPEN ELECTIVES 3-5 SH**

**F. MINOR COURSES 16-18 SH**

Minor in Accounting of Finance

† Lab Science Sequence 8 SH

*For. Lang/Global Issues Requirement* 0-12 SH

(There are several ways to cover this requirement while meeting other requirements.)

**GENERAL EDUCATION:**

**(1) Communication Skills 9 SH**

ENG 180 3  
 ENG 280 3  
 COMM 241 3

**(2) Natural Sciences & Math (2 depts) 16 SH**

† (By taking Math 133, 134, and a required Lab Science sequence, this category's 16 SH becomes specified and covered.)

**(3) Social Sciences (2 depts.)"12-6" 6 SH**

Two required courses in economics satisfy 6 more SH in this category  
 Soc Sci Elective 3  
 Soc Sci Elective 3

**(4) Humanities & Fine Arts (2 depts) 12 SH**

Fine Arts 3  
 Humanities 3  
 Humanities or Fine Arts Elective 3  
 Humanities or Fine Arts Elective 3

**(5) Multicultural Studies 3 SH**

Multicultural Studies Elective 3

**(6) Human Well Being (from 2 depts) 3 SH**

Human Well Being Elective 1-3  
 Human Well Being Elective 1-3

**Total General Education 55 SH**

**Unspecified General Education**

**for a Math Major 33 SH**

**TOTAL PROGRAM HOURS 120 SH**

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<b><u>Sample Program</u></b>		<b>YEAR</b>
<b><u>Freshman Year</u></b>		<b>TOTAL</b>
<b>Fall Semester</b>		
MATH 133	4	
Lab Science Sequence I	4	
ENG 180	3	
Humanities/Fine Arts Gen Ed	3	
Univ. 100-Human Well Being Gen Ed	1	
<b>Total</b>	<b>15</b>	
<b>Spring Semester</b>		
MATH 134		4
Lab Science Sequence II		4
Human Well Being Gen Ed		2
Social Science Gen Ed		3
Humanities/Fine Arts Gen Ed		3
<b>Total</b>		<b>16</b>
		<b>31</b>
<b><u>Sophomore Year</u></b>		
<b>Fall Semester</b>		
MATH 231	4	
MATH 311	3	
ENG 280	3	
ACCT 201	3	
ECON 231	3	
<b>Total</b>	<b>16</b>	
<b>Spring Semester</b>		
MATH 341		3
STAT 276		3
Humanities/Fine Arts Gen Ed		3
FIN 331		3
ECON 232		3
<b>Total</b>		<b>15</b>
		<b>31</b>
<b><u>Junior Year</u></b>		
<b>Fall Semester</b>		
MATH 383	3	
Humanities/Fine Arts Gen Ed	3	
Social Science Gen Ed	3	
MATH 370	3	
Minor elective	3	
<b>Total</b>	<b>15</b>	
<b>Spring Semester</b>		
ACCT 371		3
CS 114 or 214		3
Multicultural Studies Gen Ed		3
Directed Elective		3
Minor Elective		3
<b>Total</b>		<b>15</b>
		<b>30</b>
<b><u>Senior Year</u></b>		
<b>Fall Semester</b>		
STAT 471	3	
Directed elective	3	
MATH 391 OR 444	1	
Minor Elective	3	
Minor Elective	3	
<b>Total</b>	<b>13</b>	
<b>Spring Semester</b>		
STAT 472		3
COMM 241		3
Minor Elective		3
Minor Elective		3
Open Elective		3
<b>Total</b>		<b>15</b>
		<b>28</b>
<b>PROGRAM TOTAL</b>		<b>120</b>

11/05/19 VB

**REMEMBER:** This is a *sample* program. Your degree plan may be different depending on your placement in English or Math and other variables.