

Pathway Mathematical Studies- Actuarial Science

Lewis and Clark Community College Associate in Arts/Science Degree

Fall Year 1

LCCC Course		Hours
ENGL 131	First Year English	3
MATH 171 ¹	Analytical Geometry & Calculus	5
ECON 151	Macroeconomics	3
SPCH 131	Public Speaking	3
IAI HUM/FA ³	IAI Humanities/Fine Arts	3
Total		17

Spring Year 1

LCCC Course		Hours
ENGL 132	First Year English II	3
MATH 172 ¹	Analytical Geometry & Calculus II	5
ECON 152	Microeconomics	3
PHYS 141 ¹	General Physics I	5
Total		16

Fall Year 2

LCCC Course		Hours
MATH 271 ¹	Analytical Geometry & Calculus III	4
ACCT 131	Financial Accounting	3
IAI SOC BEH ²	IAI Behavioral Science (no ECON)	3
IAI HUM/FA ³	IAI Humanities/Fine Arts	3
PS/LS ¹	Additional Life/Physical Science	3
Total		16

Spring Year 2

LCCC Course		Hours
MATH 272 ¹	Differential Equations	3
IAI HUMN ²	IAI Humanities Course	3
IAI FA ²	IAI Fine Arts Course	3
IAI LS ⁴	IAI Life Science	3
Total		12

Associate in Art/Science Degree Total 61

¹All Math/Science courses require a grade of "C" or better.

²Students are required to take one human relations course for the Associate degree. Please see advisor.

³Students can take one additional course in physical or life science to meet the requirements for the AS degree. These courses would be in place of the additional course in HUM/FA.

⁴Students please consult with LCCC/Pathways advisor for courses that can be used for Life Science.

Southern Illinois University Edwardsville Bachelor of Science Degree

Fall Year 3

SIUE Course		Hours
MATH 223	Logic and Mathematical Reasoning	4
MATH 340	Theory of Interest	3
STAT 480A	Intro to Mathematical Statistics	3
STAT 380	Statistics for Applications	3
Fin 320	Finance Mgmt. & Decision Making	3
Total		16

Spring Year 3

SIUE Course		Hours
CMIS/FIN	Cmis./Fin. Elective	3
STAT 480B	Intro to Mathematical Statistics	3
STAT 486A	Actuarial Mathematics	3
MATH 350	Intro to Analysis	4
MATH 321	Linear Algebra I	3
Total		16

Fall Year 4

SIUE Course		Hours
MATH 498	Senior Seminar	2
CMIS/FIN	Cmis./Fin. Elective	3
STAT/OR	Stats./Or. Elective	3
ELEC	Elective	3
STAT 482	Regression Analysis	3
IS XXX	Interdisciplinary Course	3
Total		17

Spring Year 4

SIUE Course		Hours
MATH 499	Senior Project	2
STAT/ OR	Stats./Or. Elective	4
ELEC	Elective	3
CMIS/FIN	Cmis./Fin. Elective	3
MATH 165	Intro. to Programing & Problem Solving	3
Total		15

Bachelor of Science Degree Total 125

*Students must complete 50% or more of the degree requirements at SIUE.

* A course that satisfies both the ERGU and EREG requirement will only be counted as one and not both.