

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 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.

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
ACCT 210 Managerial Accounting	3
Total	17

Spring Year 4

SIUE Course	Hours
MATH 499 Senior Project	2
IS XXX Interdisciplinary Course	3
STAT/ OR Stats./Or. Elective	3
ELEC Elective	4
CMIS/FIN Cmis./Fin. Elective	3
MATH 165 Intro. to Programing & Problem Solving	3
Total	18

Bachelor of Science Degree Total 128

Students must complete 50% or more of SIUE degree requirements at SIUE. (120 +hours required for graduation).