

2+2 Integrative Studies Specialization in BIOFUELS

Southeastern Illinois College Associate in Applied Science Degree

Fall Year 1

SIC Course	Hours
ENG 121 Rhetoric and Composition	3
ENGY 111 Intro to Biofuels	3
BIOL 141 Environmental Science	4
ECON 121 Intro to Macroeconomics	3
Total	13

Spring Year 1

SIC Course	Hours
ENGY 151 Ethanol Production	3
MATH 144 Heart of Mathematics	4
IT 119 Basic Software Applications	3
PSYC 121 Intro to Psychology(BSS)	3
BIOL 121 Introduction to Biology	4
Total	17

Summer Year 1

SIC Course	Hours
ENGY 115 Agricultural Waste to BF	1
ENGY 213 Algae Feedstock	1
Total	2

Fall Year 2

SIC Course	Hours
ENGY 131 Biodiesel Production	3
ENGY 113 Plant Maintenance	3
COM 121 Public Speaking	3
ENG 122 Rhetoric and Composition II	3
FCS 124 Intro to Nutrition	3
Total	15

Spring Year 2

SIC Course	Hours
ENGY 211 Biofuels System Technology	3
CHEM 123 Basic Inorg/Org Chem	4
ECON 122 Intro to Microeconomics	3
MATH 125 Statistics	4
ENGY 270/ELE Biofuels Intern OR Elective	1
Total	15

Associate Total **62**

Southern Illinois University Edwardsville Bachelor of Science Degree

Fall Year 3

SIUE Course	Hours
ACCT 200 Fundamentals of Accounting	3
RA 101 Reasoning and Argumentation	3
BIOL 140 Human Biology	3
CHEM 296/BIOL 493 Research	0
CHEM 480/481 Fermentation course	4
Total	13

Spring Year 3

SIUE Course	Hours
BIOL 250 Bacteriology	4
CHEM 482/483 Fermentation course	4
CHEM 396 Research	2
MGMT 330 Understanding the Business Env	3
BHUM/EGC Humanities/Global Culture	3
Total	16

Fall Year 4

SIUE Course	Hours
INTG 300 Foundations of Integrative Studies	3
MGMT 331 Managing Group Projects	3
PROD 315 Operations Management	3
CHEM 484/485 Fermentation course	4
CHEM 496 Research	2
Total	15

Spring Year 4

SIUE Course	Hours
INTG 499 Senior Assignment	3
LEAD Leadership Elective	3
MGMT/PROD Course See advisor	3
MGMT/PROD Course See advisor	3
BIOL 493 Research	1
IS 320/322/363 Interdisciplinary Course	3
Total	16

Bachelor Total **122**