

East Central College

/Associate of Arts – STEM Pathway to Bachelor of Science – Biology: Organismal, Ecological and Evolutionary Biology

Students are encouraged to complete the Associate of Arts – STEM Pathway Degree (Aa) at East Central College to prepare for a smooth transition to a Bachelor of Science: Organismal, Ecological and Evolutionary Biology at Southeast Missouri State University.

EAST CENTRAL COLLEGE / FIRST SEMESTER	
COL100 Campus Orientation	0
PSC CIVICS	0
COL101 Falcon Seminar: STEM	1
COM101/110 Oral Communication/Public Speaking	3
ENG101 English Composition I	3
CHM111 General Chemistry I°	5
MTH170 College Algebra	3
MTH171 Trigonometry	2
Total Hours	17

EAST CENTRAL COLLEGE / SECOND SEMESTER	
EN102 English Composition II	3
HST101/HST102/PSC102 Core 42 Civics Requirement	3
CHM112 General Chemistry II	5
MTH150/MTH190 Statistics/Analytic Geometry and Calculus I	3-5
Total Hours	14-16

EAST CENTRAL COLLEGE / THIRD SEMESTER	
CORE 42 Social Science Requirement	3
CHM205 Organic Chemistry I	5
BIO121 Principles of Biology I	5
CORE 42 Humanities/Fine Arts	3
Total Hours	16

EAST CENTRAL COLLEGE / FOURTH SEMESTER	
CORE 42 Social Science Requirement	3
CORE 42 Humanities/Fine Arts	3
CORE 42 Humanities/Fine Arts	3
BIO122 Principles of Biology II	5
Total Hours	14

SOUTHEAST / FIFTH SEMESTER	
BI283 Genetics	4
BI389 Career Development in Biology	2
GO110/010 Physical Geology	3
Experiential Learning	2
Elective	3
Total Hours	14

SOUTHEAST / SIXTH SEMESTER	
BI332 General Ecology	4
BO310/010 Plant Biology	4
BI300 Introduction to Evolutionary Biology	3
Biology Elective	4
Total Hours	15

SOUTHEAST / SEVENTH SEMESTER	
ZO310/010 Zoology	4
BI348 Biogeography	3
Biology Elective	3
Elective	3
Elective	3
Total Hours	16

SOUTHEAST / EIGHTH SEMESTER	
Biology Elective	3
Elective	3
Elective	3
Elective	3
Elective	3
Total Hours	15

East Central College and Southeast are transfer partners with the Transfer Mentor Program. Learn more and join at semo.edu/transfermentor
Degree requirements for all students: A minimum of 120 credit hours, completion of the General Education program, and 39 senior division hours (at or above the 300-level). In addition, a minimum of 30 credit hours must be taken in residence (at Southeast) which could result in needing additional credit hours. Students should refer to Southeast's Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.