

# Meta-Major: STEM

*Associated Programs: Science, Technology, Engineering & Mathematics*

### East Central College

1964 Prairie Dell Road  
Union, Missouri 63084  
636-584-6500  
www.eastcentral.edu

### Admissions Office

ECC Campus  
636-584-6563  
admissions@eastcentral.edu

### Divisions

Science  
636-584-6626

Mathematics and Physical  
Science  
636-584-6679

### Accreditation

East Central College is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools  
30 N. LaSalle St., Suite 2400  
Chicago, Illinois 60602-2504  
800-621-7440

## OVERVIEW

**EAST CENTRAL COLLEGE** offers various transfer and work-ready degree programs within the science, technology, engineering and mathematics or “STEM” field:

- Science: Chemistry, Biology, Biotechnology, Medical Science and Physical Science
- Technology: Industrial Technology and Engineering Technology
- Engineering: Transfer Engineering
- Mathematics

The **ECC STEM Meta-Major** is an interdisciplinary approach to learning where rigorous academic concepts are coupled with real-world lessons as students apply science, technology, engineering and mathematics in contexts that make connections between school, community, work and the global enterprise. These connections enable the development of STEM literacy and the ability to compete in the new economy.

## SUGGESTED FIRST SEMESTER SCHEDULE

The STEM programs and the suggested schedule below are intended for full-time students; however, part-time study is also available. After the first semester, students will take courses aligned with their preferred program of study. See individual fact sheets for more information.

COURSE		HOURS
FS 1000	Campus Orientation	0
FS 1001	Foundation Seminar	1
EN 1223	English Comp I* or	
EN 1233	English Comp I (Honors)*	3
SC 1000	Laboratory Safety for Students	0
CH 1305	General Chemistry I Lecture/Lab or Program Requirement/Elective***	3-5
	Mathematics Requirement**	3-5
	Humanities Elective	3
<b>TOTAL HOURS</b>		<b>13-17</b>

\* Curriculum listed above may be subject to change based on placement results.

\*\* Courses may be subject to change based on the specific program or individual placement results.

\*\*\* Check program fact sheet for program requirements including science requirement and electives.