



**STEM Explorers-Pre-STEM Major
General Studies Associate of Arts Degree
(611B-STEM)**

ACADEMIC MAP

Below is a recommendation for courses and course sequencing based on full-time status. **Always consult a program advisor or counselor and review specific requirements for your transfer institution.**

For information contact: generalstudies@montgomerycollege.edu.

For students interested in a STEM major, but unsure which STEM major, this General Studies STEM path is a starting option. Please note that General Studies STEM Core is designed to be an exploratory pathway, and not to transfer to specific programs. General Studies STEM students should meet with advisors from STEM programs they are interested in before completing 30 credits to determine what major best meets their academic and career goals. For more information, contact: generalstudies@montgomerycollege.edu

Requirements/Recommended courses 0-17 Credits		Staying on track at 0-17 Credits	
ENGL 101		3	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Complete ENGL 101 <input checked="" type="checkbox"/> Complete Math Foundation <input checked="" type="checkbox"/> Start Academic Plan <input checked="" type="checkbox"/> Identify STEM related Program Advisor <input checked="" type="checkbox"/> Research STEM majors available at MC and program requirements
MATF	Any MATF (MATH 165 or MATH 181 recommended)	4	
NSLD	Any NSLD (CHEM 131 recommended)	4	
BSSD	Any BSSD	3	
GEIR 1	COMM 108, or HLTH 121, HLTH 125, HLTH 150, HLTH 212	3	
Total Credits		17	

Requirements/Recommended courses 17-34 Credits		Staying on track at 17-34 Credits	
ENGF	ENGL 102	3	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Update Academic Plan <input checked="" type="checkbox"/> Meet with GS STEM or STEM Program advisor in area of interest <input checked="" type="checkbox"/> Complete at least one of each Gen Ed Requirement (HUMD, ARTD, BSSD, NSLD/NSND, GEIR) <input checked="" type="checkbox"/> Complete at least three credits at the 200 level <input checked="" type="checkbox"/> Research and review transfer programs and institutions <input checked="" type="checkbox"/> Complete at least one STEM core course <input checked="" type="checkbox"/> Change Major to appropriate STEM related major
HUMD	Any HUMD	3	
NSLD	Any NSLD (BIOL 150)	4	
ARTD	Any ARTD	3	
STEM Core	Select BIOL, CHEM, ENES, MATH related to major interest	4	
Total Credits		17	

CHANGE MAJOR OR DEVELOP ACADEMIC PLAN WITH PROGRAM ADVISOR / COUNSELOR

*** This path is designed to help students explore and narrow interest in a STEM related pathways, specifically in Biology, Chemistry, Mathematics or Physics. This path is intended for students who plan to graduate from MC with a specific major in the sciences, engineering or mathematics. Other students may use the STEM core in different ways such as completing prerequisites for a specific program or to facilitate transfer, but these should be done in consultation with a program advisor or counselor.

GENERAL EDUCATION ABBREVIATIONS KEY

ENGF – English Foundation
MATF – Math Foundation
ARTD – Arts Distribution

HUMD – Humanities Distribution
BSSD – Behavioral Social Sciences Distribution
NSLD – Natural Sciences with Lab

NSND – Natural Sciences without Lab
GEIR – Gen Ed Institutional Requirement

For more information on General Education, please visit: montgomerycollege.edu/academics/general-education-program

WHO TO CONTACT

If you have a question and would like to speak with an advisor, you may schedule an appointment with the counseling office or reach out to one of our Instructional Faculty Advisors.

Cory Newman | Pre-STEM Advisor | TP/SS | cory.newman@montgomerycollege.edu

Aubrey Smith | Pre-STEM Advisor | RV | aubrey.smith@montgomerycollege.edu

Samantha Streamer Veneruso | Chair of General Studies | RV | samantha.veneruso@montgomerycollege.edu

CONSIDERATIONS

• In order to complete this degree, students must:

1. Complete of a minimum of 60 Credit hours including:
 - General Education Requirements- 31 Credit hours
 - Science, Technology, Engineering, and Mathematics Core courses- at least 15 credit hours, with a minimum of 3 credit hours at 200 level
 - Electives- Up to 11 Credit hours as needed to complete 60 Credit hours
2. Complete a minimum of 15 Credits at 200 level., with at least 3 credit hours at the 200 level from the Core
3. Have a GPA of 2.0

ENGL 101, if needed for ENGL 102/ENGL 103, or select a general elective.

**** Behavioral and Social Science Distribution (BSSD) courses must come from different disciplines.**

Students must complete one Global or Cultural Perspectives designated course as part of their General Education Program.

‡ Students should attempt ENGL and MATH foundation requirements within completion of the first 24 credits of college level work or at the completion of any prerequisite or required non- credit coursework.

‡‡ Any credit hours beyond the minimum in General Education (31 Credit hours) or Core courses are counted toward elective credit hours.

† Two general education institutional requirement (GEIR) courses required from the following general education courses: COMM, HLTH , or one ARTD or HUMD. Students may only take one course from ARTD or HUMD to fulfill General Education Institutional Requirements.

†† Consult a counselor/advisor for NSND/Science course selection. Students potentially interested in science, health or engineer transfer programs should consider a 4 credit lab science course.

Please Note: Exact semester credit counts may vary based on specific course selections.

Students transferring to a specific four year institution, please check the Transfer Agreements site for articulated pathways that identify required coursework.

Notation from the other side:

Students transferring to a specific four year institution, please check the Transfer Agreements site for articulated pathways that identify required coursework.

*** Prerequisite for MATH 217; if MATH 117 is taken to fulfill MATH Foundation, MATH 181 or MATH 150 or MATH 165 and MATH 181 should be taken as electives to complete MATH 217.

NOTES
