

# Four Year Plan for Engineering Program – Civil Engineering Track (Fall 2026) – Last Updated on 05/18/26.

Fall Semester			Spring Semester	
Year	Class	Crds.	Class	Crds.
<b>1</b>	PHEN 110 Intro to Engineering <b>CN1</b>	2	PHEN 121 Classical Physics I	4
	Gen. Ed.: Comm Global/Digital Age <b>CN2</b>	3	MATH 140 Practical Statistics	3
	CHEM 111 General Chemistry I	4	MATH 190 Calculus I	4
	ENGL 121 English Composition	3	COMM 200 Fundamentals of Speech Comm.	3
	MUXP 101 Muskingum Experience 1	1		
	Gen. Ed.: Health	3		
	Total credits	<b>16</b>	Total credits	<b>14</b>
<b>2</b>	GEOL 101 Intro to Geology	4	PHEN 200 Surveying	3
	PHEN 210 Statics	4	PHEN 211 Dynamics	3
	MATH 200 Calculus II	4	PHEN 360 Strengths of Materials	4
	Gen. Ed.: Artistic Understanding/Expression	3	Gen. Ed.: U.S. Experience	3
			Gen. Ed.: International Perspectives	3
	Total credits	<b>15</b>	Total credits	<b>16</b>
<b>3</b>	PHEN 305 Civil Engineering Materials	4	PHEN 325 Transportation Engineering	4
	<b>Math / Basic Science Elective TN2</b>	3	PHEN 335 Construction Engineering	3
	Gen. Ed.: Religious Understanding	3	<b>Math / Basic Science Elective TN2</b>	3
	PHEN 315 Structural Engineering	3	Gen. Ed. Moral Inquiry	3
			Free Elective	3
	Total credits	<b>13</b>	Total credits	<b>16</b>
<b>4</b>	PHEN 415 Geotechnical Engineering	3	<b>Math / Basic Science Elective TN2</b>	3
	PHEN 420 Fluid Mechanics	4	PHEN 425 Water Resources & Env Eng	3
	PHEN 435 Engineering Economics, Ethics, and Society	3	PHEN 495 Senior Project	3
	PHEN 490 Intro to Senior Project	2	Gen. Ed.: Western Traditions	3
	Gen. Ed.: Cultural Diversity	3	PHEN 310 Internship	3
	Total credits	<b>15</b>	Total credits	<b>15</b>

## Common Notes (CN):

1. You must place for MATH 180 Pre-Calculus or higher prior to starting at Muskingum University.
2. Consider taking Intro to Computer Science (CPSC 100) for Gen. Ed. Communicating in Global/Digital Age.
3. You must follow the sequence of PHEN and MATH courses (i.e. chain of prerequisites).
4. You must complete two writing unit courses, with at least one at the 300 or 400 level.
5. You must complete the PHEN Career Services Plan – see next page.

**Track Notes (TN):**

1. You must complete 1 credit hour of electives (from Math / Basic Sciences, Gen. Ed. and Free) from 300 or 400 level courses.
2. You must complete at least 9 credit hours from the following Math / Basic Science courses: BIOL 107, BIOL 111, BIOL 308, CHEM 112, MATH 230, or MATH 320.
- 3.
- 4.
5. You must take the **Fundamentals of Engineering Exam in Civil Engineering** and share your scores with the Physics & Engineering Department Chair before the end of your senior year.
6. Recommend Introduction to Geographic Information Systems (GEOG 310) as an elective.
7. You do not automatically complete a minor in math.
8. Engineering Topics = 51 credit hours, Math & Basic Sciences = 32 credit hours

**PHEN Career Services Plan:**

<b>FALL</b>	<b>SPRING</b>
	LinkedIn (Scheduled Event)
Khana Connections Conference (Scheduled Event)	Resume Workshop (Scheduled Event)
Job Search Strategies & Resources (Scheduled Event)	Speed Networking (Scheduled Event)
Etiquette Dinner (Scheduled Event)	Big Interview (Multiple Scheduled Events)