



## Volgenau School of Engineering

### Recommended courses for freshmen Undecided Engineering Students

Students who are Undeclared, but sure of the major they want to pursue can follow the sample plan for that major.

A full-time student can take 12-18 credits per semester, but many freshmen restrict their course load to 12-15 credits during their first semester at George Mason University.

Undeclared and Undecided students should talk to the VSE-Undeclared Advisor, Alison Bartnek [vseunde@gmu.edu](mailto:vseunde@gmu.edu) before registering for second semester and to discuss the criteria to declare a VSE major.

#### 2019-2020 Sample schedule for students who place into MATH 113

First Semester		Second Semester	
MATH 113 Analytic Geometry and Calculus I	4	MATH 114 Analytic Geometry and Calculus II [ff]	4
CS 112 Intro to Computer Programming	4	PHYS 160 University Physics I [c] [ff]	3
ECON 103 Contemp. Microeconomic Prin. [b]	3	PHYS 161 University Physics I Lab [c] [ff]	1
ENGR 107 Intro to Engineering	2	Mason Core [a]	3
Mason Core [a]	3	Major Related Course [d]	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>14</b>

#### 2019-2020 Sample Schedule for students who place into MATH 105

First Semester		Second Semester	
MATH 105 Precalculus	4	MATH 113 Analytic Geometry and Calculus I	4
ENGR 107 Intro to Engineering	2	CS 112 Intro to Computer Programming	4
ECON 103 Contemp. Microeconomic Prin. [b]	3	Major Related Course [d]	3
Mason Core [a]	3	Mason Core [a]	3
Mason Core [a]	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

#### Notes

- [a] <https://catalog.gmu.edu/mason-core/> Mason Core Categories: One course from each: ENGH101, Arts, Global Understanding, Literature, Western Civilization/World History, and Oral Communication (those pursuing Computer Science should only take COMM 100 for Oral Communication).
- [b] ECON 103 is required for all engineering majors, and is a Mason Core-Social Science option for Computer Science and Information Technology majors.
- [c] PHYS 160 and PHYS 161 are required for all engineering majors, and is a Mason Core-Natural Science option for Statistics, Computer Science and Information Technology majors.
- [d] Major related courses options: ECE 101 or CS 222 for EE; ECE 101 or CS 211 for CPE; BENG 101 for BIOE; CYSE 101 for CYSE; CHEM 271 & 272 or ME 151 for ME; CHEM 271 & 272 or CEIE 101 for CIE; SYST 101 for SYST; STAT 260 for STAT.
- [f] Students tending toward IT as a major should consult with the Information Sciences and Technology (IST) office. <http://ist.gmu.edu/students/current-students/advising/>

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