

2021-22 First Year Academic Plan for EGR LLC Students – Engineering (B.S.E.)

ENGINEERING LIVING-LEARNING COMMUNITY

WHO IT IS FOR: All engineering majors

WHERE IT IS LOCATED: Winter Hall, on-campus apartment-style housing on the Robert C. Pew Grand Rapids campus

The Engineering Living-Learning Community is located in Winter Hall on the Robert C. Pew Grand Rapids Campus near Grand Valley's premier engineering facilities. The John C. Kennedy Hall of Engineering, Fred M. Keller Engineering Laboratories, and Engineering and Innovation Center are a short walk away. Students benefit from academic, social, and professional development activities with engineering faculty and students. Students have immediate access to a diverse community and cultural events and activities in downtown Grand Rapids.

How To Use This Guide

In this guide, you will find suggested course schedules for your first year of classes while participating in the Engineering LLC. In any given semester, you will participate in a collection of faculty-selected classes that support the values and mission of the engineering learning community. Students will select from one to four classes each semester. These classes are noted in blue on the suggested course schedules.

At registration we will sign up for both the Fall (August through December) and Winter (January through April) semesters.

These different first year schedules are recommended based on your Math Placement scores. You will notice that on the left side of every schedule the Math Placement score is indicated.

Math Placement is determined by your ACT or SAT math sub-scores that you send to Grand Valley. There are four initial placement levels. They are:

MTH 097 - MTH 097 Fulfilled - MTH 110 Fulfilled - MTH 122 & MTH 123 Fulfilled

We know that ACT or SAT scores were not required this year. For the most accurate Math Placement, we strongly encourage you to take the math proficiency test. It is important that you take the math proficiency test at least one week before coming to campus for your First Year Registration and Registration session.

For more information about Math Placement, please visit:

<http://www.gvsu.edu/math/mathematics-placement-11.htm>

This guide is for all majors in the School of Engineering. If you do not know which engineering major you want to study, that is okay. The first year of curriculum is the same for all engineering students' coursework; variations based on major will occur in the second or third year.

Advanced Placement, International Baccalaureate, and College Level Examination Program Credits

Advanced Placement (AP), International Baccalaureate (I.B.) and College Level Exam Program (CLEP) credits can affect how a student schedules for classes or which math placement a student might receive. We would encourage you to take note of all AP, I.B., or CLEP credit you have earned so you can discuss these with an academic advisor while at Advising and Registration.

For more information regarding Credits By Exam, please visit: <https://www.gvsu.edu/cbe/>

*Please note, students can only apply 32 AP, I.B. and/or CLEP credits towards their degree

2021-22 First Year Academic Plan for EGR LLC Students – Engineering (B.S.E.)

Engineering Test Out Exams

Engineering students may attempt to test out of the EGR 111, EGR 112, and/or EGR 113 courses if they have prior experience with the course content. Students who test out of these courses will receive credit for each course by passing each exam.

Test Out Exam dates for the fall 2021 semester are:

June 17/18 - July 14/15 - August 24/25

For more information about Engineering Test Out Exams, please visit:

<https://www.gvsu.edu/pcec/advising/egrtestout>

Secondary Admission Requirements

Admission to major standing in the School of Engineering requires an application for secondary admission. Applicants must meet the following minimum criteria to be considered:

- 1) Completion of the engineering (EGR) foundation courses with a grade of "C" or above (see catalog for required foundation courses)
- 2) GPA of 2.7 or above in EGR foundations (only one repeat per foundation course allowed)
- 3) Completion of preparation for placement in cooperative engineering education, EGR 289

Important Advising Information

An advisor will be available at your Advising and Registration session to help you understand this guide and ensure you are registering for the correct courses.

It is highly encouraged that students meet with an academic advisor early in their career at GVSU. Consider meeting with an advisor each semester as this will help ensure you stay on track with secondary admission requirements and general education requirements.

For your convenience, we do have advising on both campuses but can always be reached at:
101 Eberhard Center (Pew Campus) | 616.331.6025 | pcecadvising@gvsu.edu

General Education (GE) Courses Fulfilled by Major Requirements

All majors in the School of Engineering have some general education classes built into the program.

Please review these courses before registering to avoid taking duplicate credits.

GE - Physical Sciences:	CHM 115, PHY 230
GE - Philosophy & Literature:	PHI 102 (consider SWS)
GE - Mathematical Science:	MTH 122 or higher
GE - Social & Behavioral Science:	ECO 210 or ECO 211
GE - Global Perspectives	EGR 406
GE - Issues	EGR 302, EGR 306, EGR 406

Recommended Schedule Based on Math Start

Students have the option to choose to complete alternatives to WRT 150, CHM 115, and PHY 230. Choosing to take the alternative version of ANY of these will result in a 5-year plan. These alternatives were created to help students be successful in their coursework. If you choose any of these options, please work with your academic advisor to create your recommended schedule.

WRT 150 Alternative: WRT 120 and WRT 130

CHM 115 Alternative: CHM 100 and CHM 115

EGR 112 Alternative: EGR 104 (EGR 180) and EGR 108 (EGR 280)

PHY 230 Alternative: PHY 230A and PHY 230B

2021-22 First Year Academic Plan for EGR LLC Students – Engineering (B.S.E.)

MTH 097 Start (5 year):

Fall:

MTH 097	Elementary Algebra	4 credits
WRT 150	Writing Strategies	4 credits
INT 100	Reflect, Connect, Engage	3 credits

LLC General Education: Pick One

- PHI 102	Ethics	
- SW 150	Intro to Social Work	<u>3 credits</u>
		14 total credits

Winter:

MTH 110	Algebra	4 credits
PSY 101	Intro to Psychology	3 credits
PLS/HRT 105	Intro to Human Rights	3 credits
BIO 105	Environmental BIOL	<u>3 credits</u>
		13 total credits

MTH 110 Start (5 year):

Fall:

MTH 110	Algebra	4 credits
WRT 150	Writing Strategies	4 credits
INT 100	Reflect, Connect, Engage	3 credits

LLC General Education: Pick One

- PHI 102	Ethics	
- SW 150	Intro to Social Work	<u>3 credits</u>
		14 total credits

Winter:

MTH 124	Pre-Calculus	5 credits
CHM 115	Principles of Chemistry	4 credits
EGR 100	Intro to EGR	1 credit
EGR 111	Intro to EGR Graphics	1 credit
PLS 105	Intro to Human Rights	OR
PSY 101	Intro to Psychology	<u>3 credit</u>
		14 total credits

MTH 124 start (5 year):

Fall:

MTH 124	Pre-Calculus	5 credits
WRT 150	Writing Strategies	4 credits
EGR 100	Intro to EGR	1 credit
EGR 111	Intro to EGR Graphics	1 credit
INT 100	Reflect, Connect, Engage	<u>3 credits</u>
		14 total credits

Winter:

MTH 201	Calculus 1	4 credits
CHM 115	Principles of Chemistry	4 credits
EGR 112	Applied Prog. for EGR	2 credits
EGR 113	Intro to CAD/CAM	1 credit
PLS 105	Intro to Human Rights	OR
PSY 101	Intro to Psychology	<u>3 credits</u>
		14 total credits

MTH 201 start (4 year):

Fall:

MTH 201	Calculus 1	4 credits
WRT 150	Writing Strategies	4 credits
CHM 115	Principles of Chemistry	4 credits
EGR 100	Intro to EGR	1 credit
EGR 111	Intro to EGR Graphics	<u>1 credit</u>
		14 total credits

Winter:

MTH 202	Calculus 2	4 credits
PHY 230	Physics 1	5 credits
EGR 113	Intro to CAD/CAM	1 credit
EGR 112	Applied Prog. for EGR	2 credits
PSY 101	Intro to Psychology	OR
PLS 105	Intro to Human Rights	<u>3 credits</u>
		15 total credits

Summer:

EGR 185	First Year EGR Design	2 credits
EGR 220	Measure/Data Analysis	1 credit
STA 220	Statistical Modeling	<u>2 credits</u>
		5 total credits

MTH 201 start (5 year):

Fall:

MTH 201	Calculus 1	4 credits
WRT 150	Writing Strategies	4 credits
EGR 100	Intro to EGR	1 credit
EGR 111	Intro to EGR Graphics	1 credit
SOC 105	Social Problems	OR
INT 100	Reflect, Connect, Engage	<u>3 credits</u>
		13 credits

Winter:

MTH 202	Calculus 2	4 credits
CHM 115	Principles of Chemistry	4 credits
EGR 112	Applied Prog. for EGR	2 credit
EGR 113	Intro to CAD/CAM	1 credits
PSY 101	Intro to Psychology	OR
PLS 105	Intro to Human Rights	<u>3 credits</u>
		14 credits

2021-22 First Year Academic Plan for EGR LLC Students – Engineering (B.S.E.)

MTH 202 Start (4 year):

Fall:

MTH 202	Calculus 2	4 credits
WRT 150	Writing Strategies	4 credits
CHM 115	Principles of Chemistry	4 credits
EGR 100	Intro to EGR	1 credit
EGR 111	Intro to EGR Graphics	<u>1 credit</u>
		14 total credits

Winter:

MTH 203	Calculus 3	4 credits
PHY 230	Physics 1	5 credits
EGR 112	Applied Prog. for EGR	2 credits
EGR 113	Intro to CAD/CAM	1 credit
PSY 101	Intro to Psychology	OR
PLS 105	Intro to Human Rights	<u>3 credits</u>
		15 total credits

Summer:

EGR 185	First Year EGR Design	2 credits
EGR 220	Measure/Data Analysis	1 credit
STA 220	Statistical Modeling	<u>2 credits</u>
		5 total credits

MTH 202 start (5 year):

Fall:

MTH 202	Calculus 2	4 credits
WRT 150	Writing Strategies	4 credits
EGR 100	Intro to EGR	1 credit
EGR 111	Intro to EGR Graphics	1 credit
INT 100	Reflect, Connect, Engage	<u>3 credits</u>
		13 credits

Winter:

MTH 203	Calculus 3	4 credits
CHM 115	Principles of Chemistry	4 credits
EGR 112	Applied Prog. for EGR	2 credit
EGR 113	Intro to CAD/CAM	1 credits
PSY 101	Intro to Psychology	OR
PLS 105	Intro to Human Rights	<u>3 credits</u>
		14 credits

LLC Course Sections and CRNS

Fall Semester:

CHM 115 – 10, CRN 11004 (PMT Required)
CHM 115 – Any lab
INT 100 – 07, CRN 28277 (PMT Required)
PHI 102 – 01, CRN 14871
SW 150 – 05, CRN 13747 (PMT Required)
WRT 150 – 50, CRN 30426 (PMT Required)
WRT 150 – 51, CRN 30427 (PMT Required)

Winter Semester:

BIO 105 – 04, CRN 38038
CHM 115 – 07, CRN 38085
CHM 115 – 920 (<i>lab</i>), CRN 38086
CHM 115 – 921 (<i>lab</i>), CRN 38087
HRT/PLS 105 – 06, CRN 3663 (PMT Required)
PSY 101 – 10, CRN 26755, (PMT Required)
WRT 150 – 49, CRN 38067 (PMT Required)
WRT 150 – 50, CRN 38068 (PMT Required)

2021-22 First Year Academic Plan for EGR LLC Students – Engineering (B.S.E.)