

<b>Still Exploring Engineering</b> <b>Planning to major in Aerospace, Civil, or Mechanical Engineering</b> Typical First Semester Schedule (Students who place into MA 241 on <a href="#">ALEKS PPL</a> and EGR 195A on <a href="#">PSVT:R</a> )		
<u>Course prefix</u>	<u>Course Title</u>	<u>Credits</u>
<b>Please register for the following courses:</b>		
UNIV 101	College Success	1
COM18, COM20, COM122 or COM122NNS	Communication course based on results of <a href="#">CompEval</a>	3
MA 241	Calculus and Analytical Geometry I	4
PS 150	Physics for Engineers I	3
EGR 195A	Spatial Visualization (19 or lower on PSVT:R)	1
EGR 115HYB	Introduction to Computing for Engineers	3
<p><b>Please Note:</b> You will not be able to register for communication or math classes without completing the <a href="#">CompEval</a> and the <a href="#">ALEKS PPL</a> unless you already have credit through AP, IB, dual enrollment, or transfer credit <u>and</u> that credit has already been posted to your academic record.</p> <p>It is suggested that you take the <a href="#">CompEval</a> and <a href="#">ALEKS PPL</a> placements while you wait for your AP, IB, or other credit to post. Once new credit is added to your academic record you can self-register for the higher class or you can contact your academic advisor for assistance.</p>		
<b>If needed, you can consider one of the following options as an alternate course.</b>		
EGR 101 (any section*) <b>and</b> EGR 101A	Introduction to Engineering (Register for EGR101 and EGR101A at the same time)	2
Lower Level Social Science course	EC 200 An Economic Survey <b>or</b> EC 210 Microeconomics <b>or</b> EC 211 Macroeconomics <b>or</b> PSY 101 Introduction to Psychology <b>or</b> SS 110 World History <b>or</b> SS 115 Introduction to International Relations <b>or</b> SS 120 U.S. History	3
<b>Total Credits for semester</b>		<b>15</b>

See notes on scheduling classes on page 2, and on optional learning communities for COE students on page 3.

\*Each section of EGR 101 Introduction to Engineering has a specific focus. If you have an interest in a particular major in the College of Engineering, you can register for a section related to that major.

Aerospace Engineering – Sections 11DB through 23DB

Civil Engineering – Section C1DB

Mechanical Engineering – Sections M6DB through M8DB

If you need assistance with scheduling classes, contact First Year Programs at [dbfyprog@erau.edu](mailto:dbfyprog@erau.edu) or 386-226-7073. You may also contact Mary Chilson directly at [chilsonm@erau.edu](mailto:chilsonm@erau.edu) or 386-226-4964.

## Notes on scheduling classes

Students can register for classes using the Class Search and Enroll screen in Campus Solutions. Students can also use the Schedule Planner tool found through Campus Solutions to assist in the scheduling process. Step by step directions for using either tool can be found at:

<https://daytonabeach.erau.edu/admissions/applied-students/register>

To be on track to graduate in four to five years, you should consider taking 15-16 credits per semester. While a student only needs to take a minimum of 12 credits to be considered a full time student during the fall or spring, any student can take up to 16 credits at the same tuition cost as taking 12 credits.

If you placed in COM 20 Fundamentals of Communication or EGR 195A Spatial Visualization, you can consider taking one of these courses for free during the Summer B term (which runs from June 30<sup>th</sup> through August 12<sup>th</sup> including orientation and final exams) as part of the Think SummER program. A student would need to be registered for at least six credits during Summer B to be able to take COM 20 or EGR 195A for free.

Taking one or more summer courses is encouraged either to get ahead or to “catch up” in the sequence of required courses (if needed for a student that places into COM 20 and/or EGR 195A), in order to maximize your chances of progressing toward degree completion in a timely manner. If you need any practice for math during the summer, you are encouraged to use the interactive learning modules in ALEKS PPL.

You can find information about Think SummER at <https://daytonabeach.erau.edu/thinksummer/>

You can find information about first year engineering requirements at:

<https://catalog.erau.edu/daytona-beach/engineering/engineering-fundamentals/>

## Optional learning communities for Engineering students

### Small Learning Community – for students intending on majoring in Aerospace, Civil, or Mechanical Engineering

The Engineering Fundamentals department has created an *optional* small learning community (SLC), in which students in a specific section of MA 241 Calculus I also take a designated section of PS 150 Physics I and enroll in one of two designated sections of EGR 115HYB Intro to Computing for Engineers. In order to take any one of the sections designated for the SLC, a student must also take the other two SLC sections. To self-enroll into this community, put all three classes in the shopping cart and then enroll from the cart.

Small Learning Community Course Sections				
Course Number and Title	Credit hours	Section (Class number)	Time	Professor
PS 150 Physics for Engineers I	3	Section L2 (1635)	MWF 9:00 – 9:50 TU 11:15-12:30	D. Maronde
EGR 115HYB Intro to Computing for Engineers <i>Choose either section L3 or L4</i>	3	Section L3 (1325)	MWF 11:00 – 11:50	C. Liron
	3	Section L4 (1326)	MWF 12:00 – 12:50	C. Liron
MA 241 Calculus & Analytical Geometry I	4	Section LC (1476)	MWF 1:00 – 1:50 TU 12:45 – 2:00	I. Mojica

### Holistic Modeling Learning Community – for students intending on eventually majoring in Aerospace Engineering, that take an AE-specific section of EGR 101

The Engineering Fundamentals department has created an *optional* holistic modeling learning community (HMLC). Throughout all of these courses there will be a greater emphasis on helping students develop fundamental modeling skills necessary for all future engineering courses and careers. Students will take EGR 115HYB with Dr. Rodgers in either Fall 2019 or Spring 2020 and EGR 120 with Dr. Verleger in the other semester. Students will also take a designated EGR 101 section with Professor Davids or Dr. Rodgers in Fall 2019 or Spring 2020. The EGR 101 and EGR 115HYB sections taught by Dr. Rodgers and EGR 120 sections taught by Dr. Verleger will only be available to students in the HMLC.

To enroll in these courses, you must receive force entry from Professor Davids ([david10b@erau.edu](mailto:david10b@erau.edu)). All Aerospace Engineering students that need to take all three courses are eligible. There will be up to 24 seats available in each section. These seats are available on a first come, first served basis. If you join the HMLC, you are guaranteed your other needed course/s for the spring (with the same set of professors teaching the same courses). For more information, please talk to your advisor or email Dr. Rodgers ([rodgerk6@erau.edu](mailto:rodgerk6@erau.edu)).

Holistic Modeling Learning Community Course Sections (for Fall 2019) (same courses/professors available for Spring 2020)				
Course Number and Title	Credit hours	Section (Class number)	Time	Professor
EGR 101 Introduction to Engineering <i>Take this course in Fall 2019 or Spring 2020</i>	2	Section 19DB (3751)	MW 9 – 9:50 am	L. Davids
	2	Section 22DB (3753)	MW 12 – 12:50 pm	K. Rodgers
EGR 115HYB Intro to Computing for Engineers <i>Take this course in Fall 2019 (not the same semester as EGR 120)</i>	3	Section 12DB (2152)	MW 9 – 10:15 am	K. Rodgers
	3	Section 13DB (2153)	MW 10:30 – 11:45 am	K. Rodgers
EGR 120 Graphical Communications <i>Take this course in Spring 2020 after EGR 195A (not the same semester as EGR 115HYB)</i>	3	Section 04DB (1332)	MW 2 – 3:45 pm	M. Verleger
	3	Section 06DB (1334)	MW 4 – 5:45 pm	M. Verleger