



# Science, Technology, Engineering & Math

JAYHAWK EXPLORATORY ADVISING

<b>First Semester</b>	<b>14-17 cr.</b>	<b>Second Semester</b>	<b>17-18 cr.</b>
MPW - based on math placement	3-5 cr.	Additional Math	3 cr.
ENG - ENGL 101	3 cr.	ENG - Written Communication	3 cr.
Exploratory Course	3 cr.	CMS Oral Communication	3 cr.
First Year Course	2-3 cr.	NPS - Natural Phys Sci	2-5 cr.
AH - Arts & Humanities	3 cr.	SBS - Social Science	3 cr.
<b>Third Semester</b>	<b>15 cr.</b>	<b>Fourth Semester</b>	<b>15 -16 cr.</b>
Additional Math	4 cr.	Additional Math	4 cr.
Additional Natural Science	5 cr.	Additional Natural Science	5 cr.
Exploratory Course	3 cr.	Major Specific Course	3-4 cr.
USC - US Culture	3 cr.	GLBC - Global Culture	3 cr.

## Exploratory Courses

- AASTR 191/PHSX 191** - Contemporary Astronomy [NPS] 3 cr.
- ATMO 105** - Introductory Meteorology [NPS] 5 cr.
- BIOL 150** - Principles of Molecular and Cellular Biology [NPS] 3 cr.
- BIOL 152** - Principles of Organismal Biology [NPS] 3 cr.
- BIOL/CLS 210** - Introduction to Clinical Lab Sciences 1 cr.
- CHEM 130** - General Chemistry [NPS] 5 cr.
- DASC 199** - Data I: Dealing with Data 3 cr.
- EECS 138** - Introduction to Computing 3 cr.
- EVNR/GEOG/HIST 140** - Global Environment I: Discovery of Environmental Change [NPS] 3 cr.
- GEOG 104** - Principles of Physical Geography [NPS] 3 cr.
- GEOG 111** - Mapping Our Changing World [NPS] 4 cr.
- GEOG 220** - Geographic Adventures in Climate Change [GLBC] 3 cr.
- GEOL 101** - The Way the Earth Works [NPS] 3 cr.
- GEOL 121** - Life Through Time: DNA to Dinos [NPS] 3 cr.
- GEOL 142** - Oceanography [NPS] 4 cr.
- GEOL 171** - Earthquakes & Natural Disasters [NPS] 3 cr.
- MATH 125** - Calculus I [MPW] 4 cr.
- ME 228** - Computer Graphics 3 cr.
- PHSX 150** - Seminar in Physics & Astronomy 1 cr.
- PHSX 114** - College Physics I [NPS] 4 cr.
- UBPL 200** - Sustainability and Society [SBS] 3 cr.



# Resources to Prepare for Your First Semester

## Math Placement

KU requires that students know their math placement before they enroll for their first semester. If you don't have a recent ACT/SAT score, we recommend students take the free ALEKS math placement exam: <https://mathematics.ku.edu/taking-placement-assessment>

	Req. ACT Score	Req. SAT Score	Req. ALEKS Score
MATH 101 College Algebra Pathway	22* or higher	540 or higher	46 or higher
MATH 105 Introductory Quantitative Reasoning Pathway	19* or higher	510 or higher	30 or higher
MATH 107 Introductory Statistics Pathway	19* or higher	510 or higher	30 or higher
Certain STEM majors require MATH 115 or MATH 125 for their Pathway			
Math 115 Calculus I	26 or higher	610 or higher	61 or higher
Math 125 Calculus I	29 or higher	660 or higher	76 or higher

\*Students who have lower scores than the minimum will also enroll in an additional math workshop. Students may also be eligible for these courses based on a combination of high school GPA and math grades.

## English Placement

	Req. ACT Score	Req. SAT Score	Optional AP Score	Optional IB score
ENGL 101: Composition I	English and Reading: 18-26 (both scores must be 18 or above) *	500-629	1-2	1-3
ENGL 102: Critical Reading and Writing	English: 27-30	630-649	3	English A HL: 4-5 OR English A SL: 4+
ENGL 105: Honors Introduction to English	English: 31+	650+	3	English A HL: 4-5 OR English A SL: 4+
ENGL 205: Freshman-Sophomore Honors Proseminar	N/A	N/A	4+	English A HL: 6-7

\*Students may also place into ENGL 101 with: ACT English and Reading scores of 16-17 AND a B or higher in most recent high school English course; cumulative high school GPA of 3.0 after 5 semesters; cumulative high school GPA of 2.7 or higher after 5 semesters AND a B or higher in most recent high school English course.

\*\*Students who have lower scores than the minimum will also enroll in an additional English workshop

## Credit & Exemption for High School Work

If you took any credit by exam (AP, IB, CLEP), go to: <https://registrar.ku.edu/credit-prior-learning>. This will let you see what KU credit you've already earned!

## Transfer Credit

Visit <https://registrar.ku.edu/credittransfer> to search how courses taken at another institution transfer to KU!

## Major Exploration Resources

### Jayhawk Exploratory Advising:

Check out the JEA website to learn more about exploring your major! There are 6 pathways that could be a fit and we're here to help to find the right one. <https://explore.ku.edu/>

### University Career Center:

Connect with the UCC to explore career interests and what majors could lead you there! <https://career.ku.edu/pathways>

**PathwayU:** Explore majors and occupations that align with your interests, personality, values, and workplace preferences. <https://ku.pathwayu.com>