

Majors and MATH Requirements

ALEKS Math Assessment

March 2021

Purple text indicates if a math course is required for the first semester at JMU. Contact your advisor if you have math credit.

The chart below shows math requirements by major. Any of the courses listed in **bold font fulfill the Calculus or Statistics requirement** for the major. Math courses not in bold indicate a lower level preparatory course. Enrollment in your first math course is based on your ALEKS assessment score. The MyMadison system will not permit you to enroll in a course higher than the recommendation for your assessment score. In some cases, score parameters may overlap allowing students to enroll in either course. Additional courses may be required by the major.

Major	Calculus Course	ALEKS Score	Statistics Course	ALEKS Score
Biology & Biotechnology <i>Math is required for the 1st-semester based on your assessment score.</i>	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 – 65 55 or below	MATH 229 MATH 220 MATH 105	≥61 ≥46 45 or below
Business BBA (excluding QFIN and ECON) <i>Math is required for the 1st-semester based on your assessment score.</i>	MATH 235 MATH 205 MATH 205 + 199 MATH 155	≥ 81 ≥ 66 56 – 65 55 or below	COB 191	≥ 46 OR any credit for one of the following: MATH 155, MATH 156, MATH 205, MATH 231, MATH 235 or ISAT 151
Chemistry & Biophysical Chemistry <i>Math is required for the 1st-semester based on your assessment score.</i>	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 66-80 56 - 65 55 or below		
Communication Science and Disorders			MATH 220 MATH 105	≥ 46 45 or below
Communication Studies – BS			MATH 220 MATH 105	≥ 46 45 or below
Computer Science <i>If you placed into MATH 155, it is required the 1st semester</i>	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 - 65 55 or below	MATH 220 MATH 105	≥ 46 45 or below
Dietetics <i>If you placed into MATH 105, it is required the 1st semester</i>			MATH 220 MATH 105	≥ 46 45 or below
Earth Science <i>Math is required for the 1st-semester based on your assessment score.</i>	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 - 65 55 or below		
Economics – BA or BS <i>Math is required for the 1st-semester based</i>	MATH 235 MATH 231	≥ 81 ≥ 66		

on your assessment score.	MATH 231 + 199 MATH 205 MATH 205 + 199 MATH 155	56-65 ≥ 66 56 – 65 55 or below		
Education Majors:				
Elementary Ed	MATH 110 - All scores – Recommended by the end of the first year			
Inclusive Early Childhood Ed	Any Cluster Three Math – See score information in the <i>All Other Majors</i> section below			
Special Education	Any Cluster Three Math – See score information in the <i>All Other Majors</i> section below			
Teaching English to Speakers of Other Languages (TESOL)	Any Cluster Three Math – See score information in the <i>All Other Majors</i> section below			
MIED English	MATH 110 Recommended by end of first year			
MIED Mathematics	MATH 110 - All scores – Required first semester			
MIED Science	MATH 110 Recommended by end of first year			
MIED Social Studies	MATH 110 Recommended by end of first year			
SEED – Biology/Chemistry/Earth Science/Mathematics/Physics See the math requirement for the specific major for 1 st semester math requirements	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 – 65 55 or below	MATH 229 MATH 220 MATH 105	≥ 61 ≥ 46 45 or below
SEED – English/History	Any Cluster Three Math – See score information in the <i>All Other Majors</i> section below			
Engineering Math is required for the 1 st -semester based on your assessment score.	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 66 - 80 56 - 65 55 or below		
Geology Math is required for the 1 st -semester based on your assessment score.	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 - 65 55 or below	MATH 220 MATH 105	≥ 46 45 or below
Health Sciences If you placed into MATH 105, it is required the 1 st semester			MATH 220 MATH 105	≥ 46 45 or below
Information Technology If you placed into MATH 155, it is required the 1 st semester	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 - 65 55 or below	MATH 220 MATH 105	≥ 46 45 or below
IdLS MATH 107 is required the 1 st semester	MATH 107 – All scores			
ISAT MATH 155 or ISAT 151 is required the 1 st semester	ISAT 151 ISAT 151 & ISAT 150 MATH 155	≥ 81 56 - 66 55 or below		

International Affairs If you placed into MATH 105, it is required the 1 st semester			MATH 220 MATH 105	≥ 46 45 or below
Justice Studies			MATH 220 MATH 105	≥ 46 45 or below
Kinesiology If you placed into MATH 155 or MATH 105, it is required the 1 st semester. One math course is recommended for the 1 st semester	MATH 205 MATH 205 + 199 MATH 155	≥ 66 56 – 65 55 or below	MATH 220 MATH 105	≥ 46 45 or below
Mathematics Math is required your 1 st semester	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 - 65 55 or below		
Nursing Math is required your 1 st semester			MATH 220 MATH 105	≥ 46 45 or below
Physics Math is required your 1 st semester	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 - 65 55 or below		
Political Science If you placed into MATH 105, it is required the 1 st semester			MATH 220 MATH 105	≥ 46 45 or below
Psychology Math is required your 1 st semester. MATH 220 is recommended.	MATH 235 MATH 231 MATH 231 + 199 MATH 205 MATH 205 + MATH 199 MATH 155	≥ 81 ≥ 66 56 - 65 ≥ 66 56 - 65 55 or below	MATH 220 MATH 105	≥ 46 45 or below
Public Administration If you placed into MATH 105, it is required the 1 st semester			MATH 220 MATH 105	≥ 46 45 or below
Quantitative Finance Math is required your 1 st semester	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 - 65 55 or below		
Social Work			MATH 220 MATH 105	≥ 46 45 or below
Statistics Math is required your 1 st semester	MATH 235 MATH 231 MATH 231 + 199 MATH 155	≥ 81 ≥ 66 56 - 65 55 or below	MATH 229	≥61
Undeclared	Most majors have a required math subject. Consult with your advisor about majors you are considering before enrolling in a math class.			
All other majors – classes in bold fulfill General Education Cluster 3 Quantitative Reasoning requirement	MATH 235 MATH 231 MATH 231 + 199 MATH 205 MATH 205 + MATH 199 MATH 155	≥ 81 ≥ 66 56 - 65 ≥ 66 56 - 65 55 or below	MATH 220 MATH 105 MATH 103	≥ 46 45 or below No specific score required