



# 2020 RAI Core Course List



Admission of freshmen to the Iowa Regent universities is based on the Regent Admission Index (RAI) formula described below. In addition, applicants must meet the minimum high school course requirements for the university they wish to enter.

- (3 x ACT composite score)
- + (30 x high school GPA)
- + (5 x number of years of high school core courses)

Regent Admission Index Score

*Note:* For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents, 4.00 is the top value for GPA, and the number of high school core courses completed is expressed in terms of years or fractions of years (e.g., one semester equals 0.5 year). Applicants who do not possess all required factors will be evaluated on an individual basis by the Regent universities to which they apply.

Freshman applicants who achieve at least a 245 RAI score and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission to any of the three Regent universities. Freshman applicants who achieve less than a 245 RAI score may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution.

## MASON CITY HIGH SCHOOL, MASON CITY, CORE COURSES APPROVED FOR RAI

*Source: 2019-2020 SRI Winter data. (Note: course numbers in parentheses refer to community college course numbers.)*

English	Yrs*	Math	Yrs*	Science	Yrs*	Social Studies	Yrs*	World Languages	Yrs*	Computer Science	Yrs*
American Seminar	1	Algebra 1	1	Anatomy & Physiology	1	AP Human Geography	1	Adv Spanish	1	Computer Sci & Software Engrg	0.5
AP English Lit & Comp	1	Algebra 2	1	AP Biology	1	Child & Adolescent Psychology [PSY223]	0.5	American Sign Lang I [ASL131]	0.5		
Composition I [ENG105]	0.5	AP Calculus AB	1	AP Chemistry	1	Criminology 1	0.5	German 1	1		
Composition II [ENG106]	0.5	Calculus II [MAT216]	0.5	AP Physics	1	Criminology 2	0.5	German 2	1		
English 09	1	Calculus III [MAT219]	0.5	Biology	1	Developmental Psychology [PSY121]	0.5	German 3	1		
English 10	1	Geometry	1	Chemistry	1	Economics	0.5	German 4	1		
English 11	1	Practical Applications of Core Math	1	Environmental Science	1	Government	0.5	Spanish 1	1		
English 12	1	Pre-Calculus	1	Foundations of Science	1	Human & Work Relations [PSY102]	0.5	Spanish 2	1		
Honors English 09	1	Probability & Statistics	0.5	General Chemistry	1	Intro to Ethics [PHI105]	0.5	Spanish 3	1		
Honors English 10	1			Physics	1	Intro to Philosophy [PHI101]	0.5	Spanish 4	1		
Langart0	1					Intro to Psychology [PSY111]	0.5	Spanish 5	1		
Language Arts 11	1					Intro to Sociology [SOC110]	0.5				
Public Speaking [SPC112]	0.5					Macroeconomics [ECN120]	0.5				
						Psychology	0.5				
						Sociology	0.5				
						U.S. History	1				
						U.S. History Since 1877 [HIS152]	0.5				
						U.S. History to 1877 [HIS151]	0.5				
						World Area Studies 09	0.5				
						World History Middle Ages	0.5				
Total English		Total Math		Total Science		Total Social Studies		Total World Languages		Total Computer Science	

*\*The numbers in this column should be multiplied by 5 to determine the number of RAI points awarded for the course.*

Updated: 8/18/2020