



2018 RAI Core Course List



IOWA STATE
UNIVERSITY



THE UNIVERSITY
OF IOWA

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. Because your school issues class rank, your RAI formula is:

- (2 x ACT composite score)
- + (1 x percentile high school rank)
- + (20 x high school GPA)
- + (5 x number of high school core courses)

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents, 99% is the top value for high school rank, 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.

Regent Admission Index Score

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

Source: 2017-2018 SRI Winter data. (Note: course numbers in parentheses refer to community college course numbers.)

English	CU*	Math	CU*	Science	CU*	Social Studies	CU*	World Languages	CU*
American Seminar	1	Algebra 1	1	Anatomy & Physiology	1	AP Human Geography	1	Advanced Spanish	1
AP English Lit & Comp	1	Algebra 2	1	AP Biology	1	AP Macroeconomics	1	American Sign Lang 1 [ASL131]	0.5
Composition 1 [ENG105]	0.5	AP Calculus AB	1	AP Chemistry	1	Child & Adolescent Psychology [PSY223]	0.5	German 1	1
Composition 2 [ENG106]	0.5	Calculus 1 [MAT210]	0.5	AP Physics B	1	Criminology 1	0.5	German 2	1
English 09	1	Calculus 2 [MAT216]	0.5	Biology	1	Criminology 2	0.5	German 3	1
English 10	1	Calculus 3 [MAT219]	0.5	Chemistry	1	Developmental Psychology [PSY121]	0.5	German 4	1
English 11	1	Diff Eqtns w/ Laplace [MAT226]	0.5	Environmental Science	1	Economics	0.5	Intermediate Spanish 1 [FLS241]	0.5
English 12	1	Geometry	1	Foundations of Science	1	Government	0.5	Intermediate Spanish 2 [FLS242]	0.5
Honors English 09	1	Practical Applications of Core Math	1	General Chemistry	1	Human & Work Relations [PSY102]	0.5	Spanish 1	1
Honors English 10	1	Pre-Calculus	1	Physics	1	Intro to Ethics [PHI105]	0.5	Spanish 2	1
Intro to Journalism [JOU115]	0.5	Probability & Statistics	0.5			Intro to Philosophy [PHI101]	0.5	Spanish 3	1
Public Speaking [SPC112]	0.5	Statistics [MAT156]	0.5			Intro to Psychology [PSY111]	0.5	Spanish 4	1
						Intro to Sociology [SOC110]	0.5		
						Psychology	0.5		
						Social Psychology [PSY251]	0.5		
						Sociology	0.5		
						U.S. History	1		
						U.S. History to 1878 [HIS151]	0.5		
						US History since 1877 [HIS152]	0.5		
						Wstrn Civ. Modern to Present [HIS111]	0.5		

MASON CITY HIGH SCHOOL CORE COURSES APPROVED FOR RAI (cont.)

Source: 2017-2018 SRI Winter data. (Note: course numbers in parentheses refer to community college course numbers.)

English	CU*	Math	CU*	Science	CU*	Social Studies	CU*	World Languages	CU*
						World Area Studies 09	0.5		
						World History Middle Ages	0.5		
Total English		Total Math		Total Science		Total Social Studies		Total World Languages	

**The numbers in this column represent the Carnegie units awarded for each course. This number should be multiplied by 5 to determine the number of RAI points awarded for the course.*

Updated: 8/14/2018