2024 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.

MUSCATINE HIGH SCHOOL, MUSCATINE, CORE COURSES APPROVED FOR RAI

Source: 2023-2024 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*
AP English Lang & Comp	1	Algebra 1	1	AP Biology	1	Abnormal Psychology [PSY241]	0.5	Chinese 1	1	AP Computer Sci Principles	1
AP English Lit & Comp	1	Algebra 2	1	AP Chemistry	1	AP Macroeconomics	0.5	Chinese 2	1	Computer Sci Principles	1
AP Seminar	0.5	AP Calculus AB	1	AP Environmental Science	1	AP Microeconomics	0.5	Chinese 3	1		
Composition I [ENG105]	0.5	AP Calculus BC	1	AP Physics	1	AP Psychology	0.5	Chinese 4	1		
Composition II [ENG106]	0.5	AP Statistics	1	Astronomy	0.5	AP U.S. Govt & Politics	0.5	Elem German I [FLG141]	0.5		
English 09	1	Calculus I [MAT210]	0.5	Chemistry	1	AP U.S. History	1	French 1	1		
English 10	1	Diff Eqtns w/ Laplace [MAT227]	0.5	Earth Science	0.5	Contemp World Issues [GLS100]	0.5	French 2	1		
English 11	1	Finite Math [MAT140]	0.5	Environmental Science	1	Cultural Anthropology [ANT105]	0.5	French 4	1		
English 12/Composition	1	Geometry	1	Env Sci [ENV111]	0.5	Developmental Psychology [PSY121]	0.5	German 1	1		
Intro to Lit [LIT101]	0.5	Pre-AP Alg 2 (Hnrs Alg 2)	1	General Biology IA [BIO114]	0.5	Economics	0.5	German 2	1		
Journalism 1	1	Pre-AP Geom (Hnrs Geom)	1	Human Anat & Phys	0.5	Humanities of the Modern World [HUM137]	0.5	German 3	1		
Mythology & Folklore	0.5	Pre-AP Pre-Calc (Hnrs Pre-Calc	1	Human Anat & Phys I [BIO168]	0.5	Humanities of the Renaissance [HUM136]	0.5	German 4	1		
Pre-AP English 09 (Hnrs English 9)	1	Pre-Calculus	1	Human Anat & Phys II [BIO173]	0.5	Intro to Ethics [PHI105]	0.5	Spanish 1	1		
Pre-AP English 10	1	Pre-Calculus [MAT128]	0.5	Intro to General Chemistry [CHM122]	0.5	Intro to Logic [PHI110]	0.5	Spanish 2	1		
Public Speaking [SPC112]	0.5	Probability & Statistics	1	Intro to the Human Body	0.5	Intro to Philosophy [PHI101]	0.5	Spanish 3	1		
Women & Literature	0.5	Statistics [MAT156]	0.5	Marine Biology	0.5	Intro to Psychology [PSY111]	0.5	Spanish 4	1		
Writers Workshop	0.5			Meteorology	0.5	Intro to Social Studies	0.5				
				Microbiology [BIO186]	0.5	Intro to Sociology [SOC110]	0.5				
				Nutrition [BIO151]	0.5	Living w/ Space, Time & Technology [HUM183]	0.5				

MUSCATINE HIGH SCHOOL CORE COURSES APPROVED FOR RAI (cont.)

English	Yrs*	Math	Yrs*	Science	Yrs*	Social Studies	Yrs*	World Languages	Yrs*	Computer Science	Yrs*
				Physics	1	Modern U.S. History	0.5				
				Principles of Engineering	0.33	Principles of Macroecon [ECN120]	0.5				
				Zoology	0.5	Principles of Microecon [ECN130]	0.5				
						Psychology	0.5				
						Sociology	0.5				
						Survey of World Religions [REL101]	0.5				
						U.S. Government	0.5				
						U.S. History	1				
						U.S. History since 1877 [HIS152]	0.5				
						U.S. History to 1877 [HIS151]	0.5				
						Wstrn Civ I: Ancient & Medieval [HIS117]	0.5				
						Wstrn Civ II: Early Modern [HIS118]	0.5				
						Wstrn Civ III: The Modern Period [HIS119]	0.5				
						Working in America [HUM105]	0.5				
						World History	1				
						World Regional Geography [GEO121]	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.