

2024 RAI Core Course List

IOWA STATE UNIVERSITY







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.

URBANDALE HIGH SCHOOL, URBANDALE, 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*												
Yrs	* Math	Yrs*	Science	Yrs	* Social Studies	Yrs*	World Languages	Yrs*	Computer Science	Yrs*		
1	Algebra 1	1	AP Biology [BIO112]	0.5	Abnormal Psychology [PSY241]	0.5	Elem Spanish I [FLS151]	0.5	Computer Sci Principles	0.5		
1	Algebra 2 & Trigonometry	1	AP Biology [BIO113]	0.5	African American History [HIS257]	0.5	German 1	1	PLTW - Computer Sci Principles [CIS450]	0.5		
1	AP Calculus AB	0.5	AP Chemistry	1	America in the Movies [HUM121]	0.5	German 2	1				
0.5	AP Calculus AB [MAT211]	0.5	AP Environmental Science	0.5	American Government	0.5	German 3	1				
0.5	AP Statistics	0.5	AP Env Sci [ENV116]	0.5	American History	1	German 4	1				
0.5	AP Statistics [MAT157]	0.5	Astronomy [PHS152]	0.5	AP European History	1	Heritage Spanish 1	0.5				
0.5	Calculus I [MAT211]	0.5	Biology	1	AP Human Geography	1	Heritage Spanish 2	0.46				
0.5	Calculus II [MAT217]	0.5	Chemistry	1	AP Psychology	1	Heritage Spanish 2	0.5				
0.5	Geometry	1	College Physics	0.5	AP U.S. Govt/Economics	1	Intermediate Japanese I [FLJ241]	0.5				
1	Pre-Calculus	0.5	Environmental Science	1	AP U.S. History	1	Intermediate Spanish I [FLS241]	0.5				
0.5	Pre-Calculus [MAT129]	0.5	General Physics I [PHY160]	0.5	Criminology [CRJ200]	0.5	Intermediate Spanish II [FLS242]	0.5				
0.5	Statistics [MAT156]	0.5	Human Anat & Phys	1	Cultural Geography	1	Japanese 1	1				
0.5			Physical Science	1	Cultural Issues	0.5	Japanese 2	1				
1			PLTW - Principles of Engrg [EGT410]	0.5	Developmental Psychology [PSY121]	0.5	Modern Japanese	0.5				
1			Principles of Eng: Applied Physics	0.5	Economics	0.5	Spanish 1	1				
0.5					European World History: Renaissance Present	0.5	Spanish 2	1				
0.5					Human Origins [ANT202]	0.5	Spanish 3	1				
					Human Sexuality [PSY261]	0.5	Spanish 4	1				
					Intro to Geography [GEO111]	0.5	Spanish for Heritage Spkrs I [FLS181]	0.5				
	1 1 1 1 1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1 AP Calculus AB 0.5 AP Calculus AB [MAT211] 0.5 AP Statistics 0.5 AP Statistics [MAT157] 0.5 Calculus I [MAT211] 0.5 Calculus II [MAT217] 0.5 Geometry	1 Algebra 1 1 1 Algebra 2 & Trigonometry 1 1 AP Calculus AB 0.5 0.5 AP Calculus AB [MAT211] 0.5 0.5 AP Statistics 0.5 0.5 AP Statistics [MAT157] 0.5 0.5 Calculus I [MAT211] 0.5 0.5 Calculus II [MAT217] 0.5 0.5 Geometry 1 1 Pre-Calculus [MAT129] 0.5 0.5 Statistics [MAT156] 0.5 0.5 1 1 1 1 0.5	Yrs* Math Yrs* Science 1 Algebra 1 1 AP Biology [BIO112] 1 Algebra 2 & Trigonometry 1 AP Biology [BIO113] 1 AP Calculus AB 0.5 AP Chemistry 0.5 AP Calculus AB [MAT211] 0.5 AP Environmental Science 0.5 AP Statistics 0.5 AP Env Sci [ENV116] 0.5 AP Statistics [MAT157] 0.5 Astronomy [PHS152] 0.5 Calculus I [MAT211] 0.5 Biology 0.5 Calculus II [MAT217] 0.5 Chemistry 0.5 Geometry 1 College Physics 1 Pre-Calculus 0.5 Environmental Science 0.5 Pre-Calculus [MAT129] 0.5 General Physics I [PHY160] 0.5 Statistics [MAT156] 0.5 Human Anat & Phys 0.5 Physical Science 1 PLTW - Principles of Engr [EGT410] 1 Principles of Eng: Applied Physics	Yrs* Math Yrs* Science Yrs 1 Algebra 1 1 AP Biology [BIO112] 0.5 1 Algebra 2 & Trigonometry 1 AP Biology [BIO113] 0.5 1 AP Calculus AB 0.5 AP Chemistry 1 0.5 AP Calculus AB [MAT211] 0.5 AP Environmental Science 0.5 0.5 AP Statistics 0.5 AP Env Sci [ENV116] 0.5 0.5 AP Statistics [MAT157] 0.5 Astronomy [PHS152] 0.5 0.5 Calculus I [MAT211] 0.5 Biology 1 0.5 Calculus II [MAT217] 0.5 Chemistry 1 0.5 Geometry 1 College Physics 0.5 1 Pre-Calculus 0.5 Environmental Science 1 0.5 Pre-Calculus [MAT129] 0.5 General Physics I [PHY160] 0.5 0.5 Statistics [MAT156] 0.5 Human Anat & Phys 1 0.5 Principles of Engrg [EGT410] 0.5 0.5 Principles of Engra [Physics 0.5	Yrs* Math Yrs* Science Yrs* Social Studies 1 Algebra 1 1 AP Biology [BIO112] 0.5 Abnormal Psychology [PSY241] 1 Algebra 2 & Trigonometry 1 AP Biology [BIO113] 0.5 African American History [HIS257] 1 AP Calculus AB 0.5 AP Chemistry 1 America in the Movies [HUM121] 0.5 AP Calculus AB [MAT211] 0.5 AP Environmental Science 0.5 American Government 0.5 AP Statistics 0.5 AP Env Sci [ENV116] 0.5 American History 0.5 AP Statistics [MAT157] 0.5 Astronomy [PHS152] 0.5 AP European History 0.5 Calculus II [MAT211] 0.5 Biology 1 AP Human Geography 0.5 Calculus II [MAT217] 0.5 Chemistry 1 AP Psychology 0.5 Geometry 1 College Physics 0.5 AP U.S. Gov/Economics 1 1 Pre-Calculus [MAT129] 0.5 General Physics I [PHY160] 0.5 Criminology [CRJ200]	Yrs* Math Yrs* Science Yrs* Social Studies Yrs* 1 Algebra 1 1 AP Biology [BIO112] 0.5 Abnormal Psychology [PSY241] 0.5 1 Algebra 2 & Trigonometry 1 AP Biology [BIO113] 0.5 African American History [HIS257] 0.5 1 AP Calculus AB 0.5 AP Chemistry 1 America in the Movise [HUM121] 0.5 0.5 AP Calculus AB [MAT211] 0.5 AP Environmental Science 0.5 American Government 0.5 0.5 AP Statistics 0.5 AP Environmental Science 0.5 American History 1 0.5 AP Statistics [MAT157] 0.5 Aptionomy [PHS152] 0.5 AP European History 1 0.5 Calculus I [MAT211] 0.5 Biology 1 AP Human Geography 1 0.5 Calculus II [MAT217] 0.5 Chemistry 1 AP Psychology 1 0.5 Geometry 1 College Physics 0.5 AP U.S. Gov/Economics 1 1 Pre-Calculus [MAT129] 0.5 General Physics I [PHY160] 0.5 Criminology [CRJ200] 0.5 0.5 Statistics [MAT156] 0.5 Human Anat & Phys 1 Cultural Geography 1 0.5 Developmental Psychology [PSY121] 0.5 0.5 Developmental Psychology [PSY121]	Yrs* Math Yrs* Science Yrs* Social Studies Yrs* World Languages 1 Algebra 1 1 AP Biology [BIO112] 0.5 Abnormal Psychology [PSY241] 0.5 Elem Spanish I [FLS151] 1 Algebra 2 & Trigonometry 1 AP Biology [BIO112] 0.5 Abnormal Psychology [PSY241] 0.5 German 1 1 AP Calculus AB 0.5 AP Chemistry 1 American Government 0.5 German 2 0.5 AP Calculus AB [MAT211] 0.5 AP Environmental Science 0.5 American Government 0.5 German 3 0.5 AP Statistics [MAT157] 0.5 AP Envi Sci [ENV116] 0.5 AP European History 1 Heritage Spanish 1 0.5 AP Statistics [MAT157] 0.5 Astronomy [PHS152] 0.5 AP European History 1 Heritage Spanish 2 0.5 Calculus [IMAT217] 0.5 Chemistry 1 AP Human Geography 1 Heritage Spanish 2 0.5 Geometry 1.0 AP U.S. Gov//Economics 1 Intermediate Spanish 1 [FLS241]	Yrs* Math Yrs* Science Yrs* Social Studies Yrs* World Languages Yrs* 1 1 Algebra 1 1 AP Biology (BIO112) 0.5 Abnormal Psychology (PSY241) 0.5 Elem Spanish I (FLS151) 0.5 1 Algebra 2 & Trigonometry 1 AP Biology (BIO113) 0.5 African American Internal History (HIS257) 0.5 German 1 1 1 AP Calculus AB 0.5 AP Chemistry 1 American Internal History (HIS257) 0.5 German 2 1 0.5 AP Calculus AB (MAT211) 0.5 AP Environmental Science 0.5 American Government 0.5 German 3 1 0.5 AP Statistics 0.5 AP Environmental Science 0.5 American History 1 German 4 1 0.5 AP Statistics (MAT157) 0.5 AP Environmental Science 0.5 AP European History 1 Heritage Spanish 1 0.5 0.5 Calculus I [MAT211] 0.5 Biology 1 AP Human Geography 1 Heritage Spanish 1 0.5 0.5 Calculus I [MAT217] 0.5 Chemistry 1 AP Psychology 1 Heritage Spanish 2 0.5 0.5 Geometry 1 College Physics 0.5 AP U.S. Govt/Economics 1 Intermediate Spanish I [FLS241] 0.5 1 Pre-Calculus (MAT129) 0.5 General Physics I [PHY160]	Yts* Math Yts* Science Yts* Social Studies Yts* World Languages Yts* Computer Science 1 Algebra 1 1 Algebra 2 a Trigonometry 1 AP Biology [BIO112] 0.5 Abnormal Psychology [PSY21] 0.5 Elian Spanish [FLS151] 0.5 Computer Sci Principles 1 AP Calculus AB 0.5 AP Calculus AB 0.5 AP Chemistry 1 America in the Movies [HUM121] 0.5 German 2 1 0.5 AP Calculus AB BIMAT211] 0.5 AP Exhibitions (MAT157) 0.5 AP Exhibitions (MAT157) 0.5 AP Exhibitions (MAT157) 0.5 AP Exhibitions (MAT157) 0.5 Astronomy [PHS152] 0.5 AP European History 1 Heritage Spanish 1 0.5 0.5 Calculus I [MAT217] 0.5 Demistry 1 AP European History 1 Heritage Spanish 2 0.46 0.5 Calculus II [MAT217] 0.5 Calculus		

URBANDALE HIGH SCHOOL CORE COURSES APPROVED FOR RAI (cont.)
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*
			Intro to Philosophy [PHI101]	0.5 Traditional Japanese	0.5	
			Intro to Psychology [PSY111]	0.5		
			Intro to Sociology [SOC110]	0.5		
			Psychology	0.5		
			Social Problems [SOC115]	0.5		
			Social Psychology [PSY251]	0.5		
			Sociology	0.5		
			U.S. History Since 1877 [HIS152]	0.5		
			World History Ancient	0.5		
			World Issues	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: 8/14/2024