



# 2025 RAI Core Course List



IOWA STATE  
UNIVERSITY

University of  
**Northern Iowa**

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.

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

*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.

Regent Admission Index Score

**BOONE HIGH SCHOOL, BOONE, CORE COURSES APPROVED FOR RAI**  
*Source: 2024-2025 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*
9th Honors English	0.5	Algebra 1	1	AP Biology	0.5	9GA American History	1	Spanish 1	1		
American Short Stories	0.5	Algebra 2	1	AP Chemistry (Online)	0.5	Abnormal Psychology [PSY241]	0.5	Spanish 2	1		
Communication Methods	0.5	AP Calculus AB	0.5	AP Physics (Online)	1	American Government	0.5	Spanish 3	1		
Communications/Journalism	1	Basic Math Skills	0.5	Astronomy [PHS152]	0.5	American History	1	Spanish 4	1		
Composition	0.5	Calculus I [MAT211]	0.5	Biology	1	American Ntnl Govt [POL111]	0.5				
Composition I [ENG105]	0.5	Calculus II [MAT217]	0.5	Chemistry	0.5	Ancient & Medieval Warfare	0.5				
Composition II [ENG106]	0.5	Calculus III [MAT219]	0.5	Chemistry	1	AP Government	0.5				
Creative Writing [ENG221]	0.5	College Algebra [MAT121]	0.5	Conceptual Chemistry	1	AP Macroecon (Online)	0.5				
English 1	0.5	Diff Eqtns w/ Laplace [MAT227]	0.5	Earth Science	1	AP Psychology	1				
English 1	1	Geometry	0.5	Ecology of Iowa [BIO145]	0.5	AP U.S. (Online)	0.5				
English 2	0.5	Geometry	1	Environmental Science	1	AP U.S. History (Online)	0.5				
English 2	1	Linear Alg w/Applications [MAT148]	0.5	Env Sci Lab [ENV116]	0.5	Current Issues	0.5				
English 3	1	Pre-Calculus 1	0.5	Env Sci [ENV115]	0.5	Developmental Psychology [PSY121]	0.5				
Fund of Oral Comm [SPC101]	0.5	Pre-Calculus 2	0.5	General Biology I [BIO112]	0.5	Economics	0.5				
Honors English 2	0.5	Pre-Calculus [MAT129]	0.5	Human Anat & Phys	0.5	Encounters in Humanities [HUM116]	0.5				
Intro to Lit [LIT101]	0.5	Priority Algebra	1	Marine Biology	0.5	Intro to Ethics [PHI105]	0.5				
Literature & Film Studies	0.5	Statistics	0.5	Nutrition [BIO151]	0.5	Intro to Philosophy [PHI101]	0.5				
Myths Legends & Folklore	0.5	Statistics [MAT156]	0.5	Physical Science	1	Intro to Psychology [PSY111]	0.5				
Priority English 2	0.5	Trigonometry [MAT130]	0.5	Physics	1	Intro to Sociology [SOC110]	0.5				
				PLTW - Principles of Engrg [EGT410]	0.5	Iowa History [HIS201]	0.5				
				Principles of Adv Science	1	Minority Group Relations [SOC200]	0.5				
				Zoology	0.5	Principles of Macroecon [ECN120]	0.5				

**BOONE HIGH SCHOOL CORE COURSES APPROVED FOR RAI (cont.)**

*Source: 2024-2025 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*
			Principles of Microecon [ECN130]	0.5		
			Priority American History	0.5		
			Psychology	0.5		
			Regional Geography of the NonWstrn World [GEO124]	0.5		
			Social Problems [SOC115]	0.5		
			Social Psychology [PSY251]	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		
			Wstrn Civ: Ancient to Early Modern [HIS110]	0.5		
			Wstrn Civ: Early Modern to Present [HIS111]	0.5		
			World Geography & Cultures	1		
			World History	1		
<b>Total English</b>	<b>Total Math</b>	<b>Total Science</b>	<b>Total Social Studies</b>	<b>Total World Languages</b>	<b>Total Computer Science</b>	

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