



# 2020 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.

*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.

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

Regent Admission Index Score

## VALLEY HIGH SCHOOL-WDSM, WEST DES MOINES, 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*
Adv Composition	0.5	Algebra 1	1	Adv Biology	1	AP European History [HIS112]	0.5	AP Chinese Lang & Cultures	1	AP Computer Science	0.5
Adv Contemp Lit	0.5	Algebra 2	1	AP Biology [BIO112]	0.5	AP European History [HIS113]	0.5	AP French	1	AP Computer Sci Principles	1
Adv World Literature	0.5	Algebra 2 Trigonometry	1	AP Biology [BIO113]	0.5	AP Human Geography	1	AP Latin	1		
American Heritage	1	AP Calculus AB	0.5	AP Env Sci [ENV115]	0.5	AP Macroeconomics	0.5	AP Spanish Lang [FLS241]	0.5		
AP Lang & Comp 1 [ENG105]	0.5	AP Calculus AB [MAT211]	0.5	AP Env Sci [ENV116]	0.5	AP Psychology	0.5	AP Spanish Lang [FLS242]	0.5		
AP Lang & Comp 2 [ENG106]	0.5	AP Calculus BC	0.5	AP Physics	1	AP U.S. Govt & Politics [POL111]	0.5	French 1	1		
AP Lit & Comp 1 [LIT101]	0.5	AP Calculus BC [MAT217]	0.5	Astronomy	0.5	AP U.S. History [HIS150]	0.5	French 2	1		
AP Lit & Comp 2 [LIT185]	0.5	AP Statistics	0.5	Biology	1	AP U.S. History [HIS153]	0.5	French 3	1		
Creative Writing	0.5	AP Statistics [MAT157]	0.5	Chemistry	1	AP World History [GLS200]	0.5	French 4	1		
Creative Writing [ENG221]	0.5	Geometry	1	General Inorganic Chemistry I [CHM165]	0.5	Current Issues	0.5	German 1	1		
Debate 1/Public Speaking	1	Pre-Calculus	0.5	General Inorganic Chemistry II [CHM175]	0.5	Economics	0.5	German 2	1		
Debate 2	1	Pre-Calculus [MAT129]	0.5	Geology	0.5	Geographic Cultural Studies	1	German 3	1		
Debate 3	1	Statistics	0.5	Human Anat & Phys	1	Government	0.5	Intermediate German I [FLG241]	0.5		
Debate 4	1	Trigonometry	0.5	Intro to Engrg & Design	0.5	Psychology	0.5	Intermediate German II [FLG242]	0.5		
Dramatic Literature	0.5			Organic Chemistry	0.5	Sociology	0.5	Latin 1	1		
Early American Literature	0.5			Physical Science	1	U.S. History	1	Latin 2	1		
Film As Literature	0.5			Physics	1	World Civilization	1	Latin 3	1		
Fund of Oral Comm [SPC101]	0.5			PLTW - Principles of Engrg [EGT410]	0.5			Latin 4	1		
Fundamentals of Writing	0.5			Principles of Engineering	0.5			Mandarin Chinese 1	1		
Fund of Writing Lab	0.5			Project Biology/Chemistry	1			Mandarin Chinese 2	1		
Gender, Race, and Culture in Lit	1							Mandarin Chinese 3	1		

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Updated: 10/8/2020