



# 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

## DES MOINES CENTRAL CAMPUS HIGH SCHOOL, DES MOINES, 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*
Adv American Lit	1	Algebra 1	1	Accel Biology	1	20th Century World History	1	AP French 5	1
Adv Lang Lit & Comp	1	Algebra 2	0.5	AP Biology [BIO113]	0.5	AP College Comparative Govt [POL125]	0.5	Arabic 1	1
AP Lang & Comp [ENG105]	0.5	Algebra 2 Academy	1	AP Biology [BIO212]	0.5	AP European History	0.5	Arabic 2	1
AP Lang & Comp [ENG106]	0.5	AP Calculus AB	0.5	AP Physics	1	AP European History [HIS113]	0.5	Arabic 3	1
AP Lit & Comp [LIT101]	0.5	AP Calculus AB [MAT211]	0.5	AP Physics C	1	AP Macroeconomics	0.5	Chinese 1	0.5
College Technical Comm	0.17	AP Calculus BC	0.5	Aquarium Science	0.56	AP U.S. History [HIS150]	0.5	Chinese 3	0.5
College Technical Comm	0.5	AP Calculus BC [MAT217]	0.5	Aquarium Science Lab	0.56	AP U.S. History [HIS153]	0.5	Chinese 4	1
Creative Writing	1	Elem Diff Eqtns w/Laplace Transforms [MAT227]	0.5	Chemistry	2	AP World History [HIS112]	0.5	Elem Chinese 1 [FLC141]	0.5
English 1	0.5	Geometry	1.5	College Adv Anat & Phys	0.88	AP World History [HIS113]	0.5	Elem Chinese 2 [FLC142]	0.5
English 2	0.5	Geometry Academy	1.5	College Genetics/Microbio	1	Current Issues	0.5	Elem German 1 [FLG141]	0.5
English 3	0.5	Geometry Ext	1.5	College Intro to Biology	0.5	Economics	0.5	Elem German 2 [FLG142]	0.5
IB English A1 HL, Part 1	2	IB Math Studies SL	2	Conceptual Physics	0.5	Government	0.5	Elem Italian 1 [FLI141]	0.5
IB English A1 HL, Part 2	2	IB Mathematics SL	1	Ecology of Iowa [BIO145]	0.33	IB 20th Century World HL	2	Elem Italian 2 [FLI142]	0.5
Lit & Comp A: Contemp Lit	0.5	Linear Alg w/Applications [MAT148]	0.5	Energy & Sustainability	0.39	IB History of the Americas HL	2	Elem Japanese 1 [FLJ141]	0.5
Lit & Comp C: Multicultural Lit	0.5	Pre-Calculus	1	Energy & Sustainability	1	IB Theory of Knowledge A	1	Elem Japanese 2 [FLJ142]	0.5

**DES MOINES CENTRAL CAMPUS 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*
Lit & Comp G: Expository Text	0.5	Rad Accel Algebra	1	Energy & Sustainability2	0.17	IB Theory of Knowledge B	1	French 1	1
Speech	0.5	Rad Accel Geom/Alg	1	Energy & Sustainability2	1	Intro to Film [HUM120]	0.46	French 2	1
Studies in World Lit	1	Rad Accel Pre-Calculus	1	Environmental Science	0.5	U.S. History	0.5	French 3	1
Urban Leadership 101	1			EnvSci Lab [ENV116]	0.22	World History: People & Place	1	German 1	0.5
Writing 12	0.5			EnvSci Lab [ENV116]	0.5	Youth Voice for Equity	1	German 3	0.5
				EnvSci [ENV115]	0.33			German 4	1
				Env Sci [ENV115]	0.5			IB Chinese AB Initio SL	1
				Field Ecology [BIO138]	0.46			IB French SL	1
				General Chemistry 1 [CHM165]	0.5			IB Spanish AB Initio SL, Part 1	1
				General Chemistry 2 [CHM175]	0.5			IB Spanish AB Initio SL, Part 2	1
				Human Anat & Phys 1 w/Labs [BIO168]	0.56			IB Spanish SL, Part 1	1
				Human Anat & Phys 2 w/Labs [BIO173]	0.56			IB Spanish SL, Part 2	1
				Human Biology w/lab [BIO156]	0.44			Intermediate Chinese 1 [FLC241]	0.5
				IB Biology HL	1			Intermediate Chinese 2 [FLC242]	0.5
				IB Env Systems & Societies	0.5			Intermediate German 1 [FLG241]	0.5
				Intro to Biotechnology w/Lab [BIO191]	0.44			Intermediate German 2 [FLG242]	0.5
				Marine Biology 1 [BIO225]	0.57			Intermediate Italian 1 [FLI241]	0.5
				Marine Biology 2 [BIO227]	0.57			Intermediate Italian 2 [FLI242]	0.5
				Marine Biology/Aquarium Sci Lab	1.12			Intermediate Japanese 1 [FLJ241]	0.5
				Opportunities in Biology [BIO100]	0.11			Intermediate Japanese 2 [FLJ242]	0.5
				Principles of Engrg [EGT410]	0.5			Italian 1	0.5
				Sustainable Living [ENV103]	0.11			Italian 3	0.5
								Italian 4	1
								Japanese 1	0.5
								Japanese 3	0.5
								Japanese 4	1
<b>Total English</b>		<b>Total Math</b>		<b>Total Science</b>		<b>Total Social Studies</b>		<b>Total World Languages</b>	

\*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.