# 2023 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.

**HEMPSTEAD HIGH SCHOOL, DUBUQUE, CORE COURSES APPROVED FOR RAI**
*Source: 2022-2023 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* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| African American Lit | 0.5 | Algebra 1 | 1 | Anatomy & Physiology | 1 | American Government | 0.5 | French 1 | 0.5 | AP Computer Science A | 0.5 |
| AP Lang & Comp | 1 | Algebra 2 | 1 | AP Biology | 1 | AP Economics | 1 | French 2 | 0.5 | Computer Sci Principles 1 | 0.5 |
| AP Literature | 1 | AP Calculus AB | 1 | AP Chemistry | 1 | AP Government | 0.5 | French 3 | 0.5 | Computer Sci Principles 2 | 0.5 |
| Composition | 0.5 | AP Calculus BC | 1 | Biology | 1 | AP Human Geography | 1 | French 4 | 0.5 | | |
| Composition I [ENG105] | 0.5 | AP Statistics | 1 | Chemistry | 0.5 | AP Psychology | 1 | French 5 | 0.5 | | |
| Composition II [ENG106] | 0.5 | Geometry | 1 | Chemistry I Lab [CHM161] | 0.5 | AP U.S. History | 1 | French 6 | 0.5 | | |
| Contemporary Literature | 0.5 | Honors Algebra 2 | 1 | Chemistry I [CHM160] | 0.5 | AP World History | 1 | French 7 | 0.5 | | |
| Creative Writing | 0.5 | Honors Geometry | 1 | Env Sci [ENV115] | 0.5 | Cultural Diversity & Identity [HUM108] | 0.5 | French 8 | 0.5 | | |
| English 1 | 0.5 | Honors Pre-Calculus | 1 | Honors Biology | 1 | Developmental Psychology [PSY121] | 0.5 | German 1 | 0.5 | | |
| English 2 | 0.5 | Pre-Calculus/Trigonometry | 1 | Hnrs Next Generation Global Sci | 1 | Economics | 0.5 | German 2 | 0.5 | | |
| English 3 | 0.5 | Statistics [MAT156] | 0.5 | Honors Physics | 1 | Educational Psychology [PSY281] | 0.5 | German 3 | 0.5 | | |
| English 4 | 0.5 | | | Honors PS9 Chemistry | 0.5 | Human Sexuality [PSY261] | 0.5 | German 4 | 0.5 | | |
| English 5 | 0.5 | | | Honors PS9 Physics | 0.5 | Intro to Ethics [PHI105] | 0.5 | German 5 | 0.5 | | |
| English 6 | 0.5 | | | Human Anat & Phys I [BIO168] | 0.5 | Intro to Philosophy [PHI101] | 0.5 | German 6 | 0.5 | | |
| Film Appreciation | 0.5 | | | Human Anat & Phys II [BIO170] | 0.5 | Intro to Psychology [PSY111] | 0.5 | German 7 | 0.5 | | |
| Honors English 1 | 0.5 | | | Human Anat & Phys II [BIO173] | 0.5 | Intro to Sociology [SOC110] | 0.5 | German 8 | 0.5 | | |
| Honors English 2 | 0.5 | | | Iowa Biodiversity & Conservation | 0.5 | Principles of Microecon [ECN130] | 0.5 | Spanish 1 | 0.5 | | |
| Honors English 3 | 0.5 | | | Next Generation Global Sci | 0.5 | Psychology | 0.5 | Spanish 2 | 0.5 | | |
| Honors English 4 | 0.5 | | | Physics | 0.5 | Sociology | 0.5 | Spanish 3 | 0.5 | | |
| Intro to Lit [LIT101] | 0.5 | | | Principles of Astronomy [PHS142] | 0.5 | U.S. History | 1 | Spanish 4 | 0.5 | | |
| Journalism | 0.5 | | | PS9 Chemistry | 0.5 | U.S. History Since 1877 [HIS152] | 0.5 | Spanish 5 | 0.5 | | |
| Public Speaking [SPC112] | 0.5 | | | PS9 Chemistry Concepts | 0.5 | U.S. History to 1877 [HIS151] | 0.5 | Spanish 6 | 0.5 | | |

# HEMPSTEAD HIGH SCHOOL CORE COURSES APPROVED FOR RAI (cont.)

| English | Yrs* | Math | Yrs* | Science | Yrs* | Social Studies | Yrs* | World Languages | Yrs* | Computer Science | Yrs* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Speech | 0.5 | | | PS9 Physics | 0.5 | World Civ II [HIS132] | 0.5 | Spanish 7 | 0.5 | | |
| U.S. Literature | 0.5 | | | PS9 Physics Concepts | 0.5 | World Cultures/Geo | 1 | Spanish 8 | 0.5 | | |
| Women's Literature | 0.5 | | | | | World History | 1 | | | | |
| World Literature | 0.5 | | | | | World Regional Geography [GEO121] | 0.5 | | | | |
| Young Adult Literature | 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.*