



# 2023 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

**VINTON-SHELLSBURG HIGH SCHOOL, VINTON, 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* |
|--------------------------|------|----------------------------|------|-------------------------|------|-----------------------------------|------|---------------------------------|------|---|------|
| *AP Lang and Composition | 0.5  | *Finite Math               | 0.5  | *AP Biology             | 0.5  | *AP Govt and Politics             | 0.5  | American Sign Lang I [ASL141]   | 0.5  | *AP Computer Science AB                 | 0.5  |
| *Composition 1           | 0.5  | Adv Math                   | 1    | *PLTW Prin of Eng A     | 0.5  | *AP Macroeconomics                | 0.5  | American Sign Lang III [ASL245] | 0.5  | PLTW - Computer Sci Principles [CIS450] | 0.5  |
| *Composition 2           | 0.5  | Adv. Math A                | 0.5  | Adv Biology             | 1    | *AP Microeconomics                | 0.5  | Spanish 1                       | 1    |   |      |
| *Fund. of Oral Comm      | 0.5  | Adv. Math B                | 0.5  | Adv. Biology A          | 0.5  | *AP Psychology                    | 0.5  | Spanish 2                       | 1    |   |      |
| Am. Humanities 10A       | 0.5  | Algebra 1B                 | 0.5  | Adv. Biology B          | 0.5  | *AP US History                    | 0.5  | Spanish 3                       | 1    |   |      |
| American Lit.            | 0.5  | Algebra 2                  | 1    | Anatomy & Physiology    | 1    | *US Hist.to 1877                  | 0.5  | Spanish 4                       | 1    |   |      |
| American Literature      | 0.5  | Algebra IA                 | 0.5  | Anatomy & Physiology A  | 0.5  | *US History since 1877            | 0.5  | Spanish IA                      | 0.5  |   |      |
| Composition I [ENG105]   | 0.5  | Algebra IB                 | 0.5  | Anatomy & Physiology B  | 0.5  | 911 Impact On the World           | 0.5  | Spanish IB                      | 0.5  |   |      |
| Composition II [ENG106]  | 0.5  | Algebra IIA                | 0.5  | Astronomy I             | 0.5  | Am. History I                     | 0.5  | Spanish IIA                     | 0.5  |   |      |
| Creative Writing         | 0.5  | Algebra IIB                | 0.5  | Biology                 | 1    | Am. History II                    | 0.5  | Spanish IIB                     | 0.5  |   |      |
| Creative Writing         | 0.5  | Basic Statistics           | 0.5  | Biology 1               | 0.5  | Am. Humanities AH2                | 0.5  | Spanish IIIA                    | 0.5  |   |      |
| Dramatic Lit             | 0.5  | Basic Statistics           | 0.5  | Biology 1               | 0.5  | American Government               | 0.5  | Spanish IIIB                    | 0.5  |   |      |
| Dramatic Literature      | 0.5  | Calculus I [MAT210]        | 0.5  | Biology 2               | 0.5  | American Government               | 0.5  | Spanish IVA                     | 0.5  |   |      |
| English 10               | 0.5  | Geometry                   | 1    | Biology A               | 0.5  | American History                  | 1    | Spanish IVB                     | 0.5  |   |      |
| English 10A              | 0.5  | Geometry A                 | 0.5  | Biology B               | 0.5  | American History 2                | 0.5  |                                 |      |   |      |
| English 10B              | 0.5  | Geometry B                 | 0.5  | Biology C               | 0.5  | Contemp. Affairs & Geography      | 0.5  |                                 |      |   |      |
| English 10C              | 0.5  | Integrated Geometry A      | 0.5  | Cell Biology            | 0.5  | Contemp Affairs & Geography       | 0.5  |                                 |      |   |      |
| English 11               | 0.5  | Integrated Geometry B      | 0.5  | Chemistry               | 1    | Developmental Psychology [PSY121] | 0.5  |                                 |      |   |      |
| English 11               | 0.5  | Probability & Statistics   | 0.5  | Chemistry A             | 0.5  | Economics                         | 0.5  |                                 |      |   |      |
| English 9A               | 0.5  | Probability and Statistics | 0.5  | Chemistry B             | 0.5  | Economics                         | 0.5  |                                 |      |   |      |
| English 9B               | 0.5  |                            |      | Comparative Biology     | 0.5  | Geography                         | 0.5  |                                 |      |   |      |
| Film Literature          | 0.5  |                            |      | Environmental Science A | 0.5  | Intro to Ethics [PHI105]          | 0.5  |                                 |      |   |      |

VINTON-SHELLSBURG HIGH SCHOOL CORE COURSES APPROVED FOR RAI (cont.)

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* |
|----------------------------|-------------------|-------------------------------------|--|------------------------------|-------------------------------|------|
| Fund of Oral Comm [SPC101] | 0.5               | Env Sci [ENV115]                    | 0.5 Intro to Philosophy [PHI101]                   | 0.5                          |                               |      |
| Generation Lit.            | 0.5               | General Science 1                   | 0.5 Intro to Psychology [PSY111]                   | 0.5                          |                               |      |
| Generation Literature      | 0.5               | General Science 1                   | 0.5 Intro to Sociology [SOC110]                    | 0.5                          |                               |      |
| Genres of Lit.             | 0.5               | General Science 2                   | 0.5 Principles of Macroecon [ECN120]               | 0.5                          |                               |      |
| Genres of Literature       | 0.5               | General Science 2                   | 0.5 Psychology                                     | 0.5                          |                               |      |
| Journalism                 | 1                 | General Science 3                   | 0.5 Psychology                                     | 0.5                          |                               |      |
| Journalism A               | 0.5               | General Science 3                   | 0.5 Sociology                                      | 0.5                          |                               |      |
| Journalism B               | 0.5               | General Science A                   | 0.5 Sociology                                      | 0.5                          |                               |      |
| Language Arts              | 1                 | General Science B                   | 0.5 U.S. History to 1877 [HIS151]                  | 0.5                          |                               |      |
| Language Arts A            | 0.5               | General Science C                   | 0.5 Understanding Cultures: Latin America [CLS151] | 0.5                          |                               |      |
| Language Arts B            | 0.5               | Human Biology                       | 0.5 War On Terror                                  | 0.5                          |                               |      |
| Public Speaking            | 0.5               | Integrated Science A                | 0.5 Working in America [HUM105]                    | 0.5                          |                               |      |
| Public Speaking            | 0.5               | Integrated Science B                | 0.5 World History 1                                | 0.5                          |                               |      |
| World Lit I                | 0.5               | Intro Chem                          | 0.5 World History 2                                | 0.5                          |                               |      |
| World Literature           | 0.5               | Intro. Physics                      | 0.5 World History I                                | 0.5                          |                               |      |
|                            |                   | Physics                             | 0.5 World History II                               | 0.5                          |                               |      |
|                            |                   | Physics A                           | 0.5 World Religions                                | 0.5                          |                               |      |
|                            |                   | Physics B                           | 0.5 World Religions                                | 0.5                          |                               |      |
|                            |                   | PLTW - Principles of Engrg [EGT410] | 0.5 World War I                                    | 0.5                          |                               |      |
|                            |                   |                                     |  |                              |                               |      |
| <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.