# 2018 RAI Core Course List

**BOARD OF REGENTS** STATE OF IOWA

**IOWA STATE UNIVERSITY**

**University of Northern Iowa**

**THE UNIVERSITY OF IOWA**

**IOWA DEPARTMENT OF EDUCATION**

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)
  _____
    Regent Admission Index Score

*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.

## MADRID HIGH SCHOOL, MADRID, 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* |
|---|---|---|---|---|---|---|---|---|---|
| Advanced English | 0.5 | Algebra 1 | 1 | Advanced Chemistry | 1 | American Government | 0.5 | Spanish 1 | 1 |
| Children's Lit [LIT105] | 0.33 | Algebra 2 | 1 | Anatomy | 1 | American History | 1 | Spanish 2 | 1 |
| Composition | 0.5 | Calculus 1 [MAT211] | 0.55 | Biology | 1 | American Issues | 0.5 | Spanish 3 | 1 |
| Composition 1 [ENG105] | 0.33 | Calculus 2 [MAT217] | 0.57 | Chemistry | 1 | Comparative Political Systems | 0.5 | Spanish 4 | 1 |
| Composition 2 [ENG106] | 0.33 | Calculus 3 [MAT219] | 0.56 | Classical Physics 1 [PHY213] | 0.67 | Developmental Psychology [PSY121] | 0.33 | | |
| Composition 2 [ENG106] | 0.38 | Elem Diff Eqtns w/ Laplace Transforms [MAT227] | 0.57 | Classical Physics 2 [PHY223] | 0.5 | Economics | 0.5 | | |
| English 1 | 1 | General Algebra 1 | 1 | Current Trends Biotech | 0.5 | Intro to Geography [GEO111] | 0.33 | | |
| English 2 | 1 | Geometry | 1 | Environmental Science | 1 | Intro to Psychology [PSY111] | 0.33 | | |
| English 3 | 1 | Pre-Calculus | 1 | Env Sci [ENV115] | 0.38 | Intro to Psychology [PSY111] | 0.38 | | |
| Fund of Oral Comm [SPC101] | 0.33 | Statistics | 1 | Physical Science | 1 | Intro to Sociology [SOC110] | 0.33 | | |
| Global Literature | 0.5 | Statistics [MAT157] | 0.44 | Physics | 1 | Our Legal System | 0.5 | | |
| Intro to Lit [LIT101] | 0.38 | | | | | Social Problems [SOC115] | 0.33 | | |
| Mass Media | 0.5 | | | | | Sociology | 0.5 | | |
| Speech | 0.5 | | | | | U.S. History since 1877 [HIS153] | 0.46 | | |
| | | | | | | U.S. History since 1877 [HIS153] | 0.5 | | |
| | | | | | | U.S. History to 1877 [HIS150] | 0.63 | | |
| | | | | | | Wstrn Civ: Ancient to Early Modern [HIS112] | 0.46 | | |
| | | | | | | Wstrn Civ: Early Modern to Present [HIS113] | 0.46 | | |
| | | | | | | World Geography | 0.5 | | |
| | | | | | | World History | 1 | | |

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

| English | CU* | Math | CU* | Science | CU* | Social Studies | CU* | World Languages | CU* |
|---------|-----|------|-----|---------|-----|----------------|-----|-----------------|-----|
| | | | | | | | | | |
| **Total English** | | **Total Math** | | **Total Science** | | **Total Social Studies** | | **Total World Languages** | |

*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.*