

# BUILDING YOUR FUTURE

## YOUR COURSES COUNT

MINIMUM COURSE REQUIREMENTS FOR ADMISSION				OPTIMUM RECOMMENDATIONS FOR SUCCESS
	IOWA STATE UNIVERSITY	THE UNIVERSITY OF IOWA	UNIVERSITY OF NORTHERN IOWA	
ENGLISH	<b>4</b> years emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	<b>4</b> years with an emphasis on the analysis and interpretation of literature, composition, and speech. One year of journalism will count toward fulfilling the English requirement.	<b>4</b> years including one year of composition, also may include one year of speech, communication, or journalism.	<b>4</b> years with an emphasis on the communication skills of writing, reading and listening, and the analysis and interpretation of literature. In addition, courses in journalism and media literacy will be valuable.  Extracurricular activities in debate, speech contest, newspaper, and yearbook will further develop essential competencies.
MATH	<b>3</b> years including one year each of algebra, geometry, and advanced algebra.	<b>3</b> years including two years of algebra and one year of geometry for admission to the College of Liberal Arts and Sciences.  <b>4</b> years including two years of algebra, one year each of geometry and higher math (trigonometry, analysis, or calculus) for admission to the College of Engineering.	<b>3</b> years including the equivalent of algebra, geometry and advanced algebra.	<b>4</b> years, one in each year of high school. While advanced courses like calculus and statistics are good, it's more important that you gain a complete understanding of advanced algebra and trigonometry.
NATURAL SCIENCE	<b>3</b> years including one year each from any two of the following: biology, chemistry, or physics.	<b>3</b> years including one year each from any two of the following: biology, chemistry, or physics for admission to the College of Liberal Arts and Sciences.  <b>3</b> years with at least one year each in chemistry and physics for admission to the College of Engineering.	<b>3</b> years including courses in general science, biology, chemistry, earth science, or physics. Laboratory experience is highly recommended.	<b>4</b> years, one in each year of high school. To be really well prepared, take at least one year each of biology, chemistry, and physics.  These can be taken in any order and may be taught productively in either a separate or an integrated fashion, depending on your school's offerings.
SOCIAL STUDIES	<b>2</b> years for admission to Colleges of Agriculture and Life Sciences, Business, Design, Engineering, and Human Sciences.  <b>3</b> years for admission to the College of Liberal Arts and Sciences.	<b>3</b> years with US history and world history recommended for admission to the College of Liberal Arts and Sciences.  <b>2</b> years with US history and world history recommended for admission to the College of Engineering.	<b>3</b> years including courses in anthropology, economics, geography, government, history, psychology, or sociology.	<b>3</b> years is essential, but four is better. Take at least one year each of US and world history.  Additional courses in anthropology, economics, political science, psychology, and sociology provide an important understanding of our political, social, and economic institutions.
FOREIGN LANGUAGE	<b>2</b> years of a single foreign language for admission to the Colleges of Engineering and Liberal Arts and Sciences.	<b>2</b> years of a single foreign language are required for admission. For many degrees, the fourth year of proficiency is required for graduation.	Foreign language courses are not required for admission. However, two years of foreign language in high school with a C- or above in the last course will meet the university graduation requirement.	<b>4</b> years of a single foreign language. By taking foreign language during all four years of high school, you'll go beyond the basic skills and begin to use the language and reinforce your fluency.
OTHER COURSES	Specific elective courses are not required for admission.	Specific elective courses are not required for admission.	<b>2</b> years of additional courses from the required subject areas, foreign language, or the fine arts.	Explore! Courses in the fine arts, performing arts, computers, or technology will help round out your high school experience. Your future field of concentration or career may lie in one of those areas. Follow your interests, talents, and the strengths of your school.