

## Course Descriptions

*Note: Occasionally a course may be cancelled due to small class size or unavailability of instructor.*

### Bible

#### **Bible I – 10 Credits**

An introduction to the gospels and Genesis focused on the plan of salvation. Topics include the Bible as divine literature, the creation story, the origin of sin, family relationships, the life of Christ, and the development of a personal relationship with Jesus.

#### **Bible II – 10 Credits**

A survey of Hebrew and Christian history from the time of Moses through the Seventh-day Adventist movement.

#### **Bible III – 10 Credits**

An exploration of the 28 fundamental beliefs of the Seventh-day Adventist Church and the books of Romans, Daniel, and Revelation. Students will have the opportunity to develop a more personal relationship with God as they evaluate ways to align personal values, morals, and standards with Seventh-day Adventist doctrine.

#### **Bible IV – 10 Credits**

An in-depth study of Hebrews and John and an introduction to the topics of Marriage and Family and of World Views and Religion.

### Computer Education

Computer classes may be offered through cooperative arrangements with North Dakota Center for Distance Education (NDCDE). Credit cannot be given for a course until NDCDE issues a student grade indicating completion of the course. The course description is taken from the NDCDE course catalogue.

#### **Computer Fundamentals - NDCDE**

In this introductory course, students will become familiar with the basic principles of a personal computer, including the internal hardware, the operating system, and software applications. Students will gain practice in using key applications such as word processors, spreadsheets and presentation software. Students will focus on the fundamentals, learning and using the applications, and understanding the basic roles and responsibilities of the software, hardware, and operating system.

### English

#### **English I – 10 Credits**

An overview of grammar, writing, vocabulary enrichment, and literature. First semester is an extensive study of English grammar while the second semester introduces the study of literature and the writing of essays.

#### **English II – 10 Credits**

A focus on world literature, grammar, writing mechanics, and vocabulary enrichment. Instruction in literature coincides with writing projects in several genres, literary criticism, and essay writing.

#### **English III – 10 Credits**

An overview of American Literature, development of expository writing, creative writing, and vocabulary development.

#### **English IV – 10 Credits**

The first semester includes a development of writing skills in expository essay and research writing (MLA, APA, and Chicago methods) with the second quarter devoted to a senior project—an extensive research paper that is presented in written and oral form (public speaking skills are addressed). The second semester includes a survey of British literature from Beowulf through the 18th century. Vocabulary expansion is emphasized throughout.

#### **Life Skills – 5 Credits**

An introduction to DAA class that teaches and reinforces good study skills that can be used across the curriculum. Topics include goal-setting, high-school dynamics, time management, organization, listening, note-taking, test-taking, grade-tracking, study groups, study plans, study space, and health. In order to pass this class, students must pass a keyboarding test of 30 words per minute and 90% accuracy.

#### **Journalism – 5-10 Credits**

Emphasis is in writing process for the school newspaper, Ripples. Assignments include news, opinion, creative writing, essays, editing, design, and book, movie, and music reviews.

## Fine Arts

### **Art I: Introduction to Drawing and Media – 10 Credits**

An introduction to drawing skills in several media ranging from charcoal to water color. Work is done primarily in class from still life and other viewed subjects. Basic visual perspective is emphasized first quarter.

### **Art II: Introduction to Composition and Design – 5 Credits**

A course centered on the design and arrangements of shapes, color theory, calligraphy, and the basic principles of design and composition. Offered first semester.

*Prerequisite: Completion of or concurrent enrollment in Art I; Fee \$40.*

### **Art II: Printmaking and Sculpture – 5 Credits**

Printmaking projects include linoleum and wood block prints, beginning with black and white and progressing to multicolor prints. Sculpture projects will be in plaster, clay, wood, wire, cardboard, and cloth with emphasis on learning three-dimensional design and media introduction. Offered second semester, odd years.

*Prerequisites: Art I & Art II (first semester); Fee \$40.*

### **Art II: Introduction to Painting – 5 Credits**

A course introducing students to painting in acrylic and oil. Emphasis is on learning painting techniques and the creation of personal works of art. Offered second semester, even years.

*Prerequisite: Art I & Art II (first semester); Fee \$40.*

### **Art III & Art IV: Independent Study – 10 Credits Each**

Courses allowing students opportunity for advanced development of skills in media for which they have completed the introductory course. Offered first and second semester. Instructor permission required. Written outline and deadlines for projects must be submitted to the instructor.

*Prerequisites: Art II: Intro. To Composition and Design, Art II: Printmaking and Sculpture or Art II: Introduction to Painting; Fee \$40/semester.*

### **Band – 5 Credits**

A performing instrumental group. Rehearsals meet a minimum of two times a week. Members are expected to practice and turn in homework using SmartMusic.

### **Concert Choir – 5 Credits**

A vocal performance group. No auditions or previous experience are required; all are welcome. The choir performs for churches as well as other concerts and some limited touring.

### **Dakota Ringers – 5 Credits**

Instruction and practice are given in the art of playing hand bells. Dakota Ringer members perform for musical events. Students who enroll must be able to commit to one year.

### **Dakota Singers (DAK) – 5 Credits**

A small vocal performing organization that tours extensively. Reading music is a must. Enrollment in voice lessons and/or Concert Choir is required. Students who enroll must be able to commit to one year. DAK is by audition only with preference given to juniors and seniors and membership at invitation of music director.

### **Ensemble – Varied Credits**

### **Private Lessons – 2 Credits**

Voice, keyboard, and instrumental lessons may be arranged with the music director. Regular practice required. One credit is given per semester.

## Foreign Language

Courses in French, German, Latin, and Spanish are offered through NDCDE. Enrollment fees for foreign language classes that are not completed will be the expense of the student.

## History

### **Geography – 5 Credits**

A one-semester world geography course; offered alternating years.

### **North Dakota Studies – 5 Credits**

A study of the history of North Dakota from colonization to the present time; offered alternating years.

**World History – 10 Credits**

A survey of world history with a Christian perspective from prehistory to the present.

**U.S. History – 10 Credits**

This is a study of United States history, from its earliest beginnings to the present time.

**Government – 5 Credits**

This survey of the structure and function of the U.S. government, beginning with its formation and continuing to modern times, includes reading the Declaration of Independence, the United States Constitution, and the Bill of Rights. Offered first semester.

**Economics – 5 Credits**

This course on the development and structure of the U.S. free enterprise system from the earliest beginnings until modern times, includes concepts of personal finances. Offered second semester.

**Topics in U.S. History – 5 Credits**

This concentrated semester-long independent study of selected periods within U.S. history focuses primarily upon pivotal times and events.

## **Mathematics**

**Pre-Algebra – 10 Credits**

A course studying the mathematical sciences, formulas, graphs, negative numbers, and informal geometry. This course is designed to build a stronger foundation in mathematics in preparation for Algebra I.

**Algebra I – 10 Credits**

A course designed to be an introduction to algebra, surveying the language of algebra with an integrated curriculum, including topics in geometry, statistics, and probability. Emphasis is also placed on use of the coordinate plane, an introduction to graphing, and solving linear and quadratic equations, formulas, and real-world problems.

*Prerequisite: Pre-Algebra or pass a math placement test.*

**Geometry – 10 Credits**

Based on Euclidian geometric concepts, this course integrates geometry with algebra and trigonometry. It is designed to introduce students to logical structures and proofs, emphasizing the problem-solving tools of making conjectures and using reasoning.

*Prerequisite: Algebra I.*

**Algebra II – 10 Credits**

A course designed to expand on the concepts taught in Algebra I. Topics include the study of linear, quadratic, exponential, logarithmic functions, conic sections, the foundation for calculus, and discrete mathematics topics such as matrices, probability, and statistics. This course also reflects a change in emphasis with more real-world problem-solving and enhanced use of technology. A graphing calculator is required for this course.

*Prerequisite: Algebra I.*

**Pre-Calculus – 10 Credits**

A course with extensive coverage of trigonometry, functions, discrete mathematics, and an exposure of basic calculus concepts. A graphing calculator is required for this course.

*Prerequisites: Geometry and Algebra II.*

**Calculus – 10 Credits**

This course emphasizes a multi-representational approach to calculus with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. A graphing calculator is required for this course.

*Prerequisite: Pre-Calculus.*

## **Physical Education and Health**

**Physical Education I (Fitness PE) – 5 Credits**

This class is designed to increase the overall fitness level of the student. Students will have the opportunity to participate in the following units: running/interval training, air alert jumping program, aerobics unit utilizing the Insanity DVD series, weight training, cycling, jump rope, kickball, etc.

### **Physical Education II (Intramural Sports PE) – 5 Credits**

This class is a general introduction of techniques, rules, and strategies for the following sports: flag football, volleyball, floor hockey, basketball, soccer, softball, and kickball.

### **Physical Education III – 5 Credits**

This class is designed to be a general introduction of both techniques and rules of several lifetime and recreational activities that the student may participate in without having to join a recreational league. This course covers the skills and development in activities such as golf, frisbee golf, croquet, ladder ball, bean bag toss, ping pong, foosball, horse shoes, cycling, pickle ball, badminton, kickball, etc.

### **Acrolights – 5-10 Credits**

A gymnastics group that works on advanced skills in both tumbling and pyramid-building techniques with emphasis on performance. Acrolights can count for a PE class for up to two years.

*Fee \$110.*

## **Science**

### **Health – 5 Credits**

This year-long course is a Christian approach to maintaining physical, mental, social, and spiritual health.

### **Physical Science – 10 Credits**

This lab course introduces students to principles of chemistry and physics, and prepares students for further studies in life sciences, chemistry, and physics. Opportunity will be given for students to develop skills in data collection and interpretation.

### **Biology I – 10 Credits**

This sophomore-level life science lab course covers the cell, genetics, origins, diversity of life using the six-kingdom classification system, and an overview of human anatomy and physiology.

*Prerequisite: Physical Science.*

### **Survey of Chemistry – 10 Credits**

A survey of the principles and concepts of chemical thought including reactions and stoichiometry, gases, solutions, bonding and structure, quantum theory, thermochemistry, and acid-base chemistry. This course does not count towards an Advanced diploma.

*Prerequisite: Physical Science, offered alternate years.*

### **Chemistry – 10 Credits**

A lab course for students wanting to deepen their understanding of chemistry principles and broaden their chemistry lab experience in preparation for college chemistry courses.

*Prerequisites: Physical Science, Algebra II, or concurrent enrollment in Algebra II.*

### **Anatomy and Physiology – 10 Credits**

This science course thoroughly surveys the anatomy and physiology of human body systems and provides a solid background for students considering life science, health, or medically-related study programs in college. Offered on even years.

*Prerequisite: Biology I with minimum grade of "B" and a Chemistry class; concurrent enrollment in Medical Terminology.*

### **Physics – 10 Credits**

A study of the physical world through classical mechanics, progressing to the study of heat, light, electrical, and magnetic energies utilizing the properties of wave mechanics. Practical application is stressed in the lab setting.

*Prerequisite: Concurrent enrollment in Algebra II.*

### **Topics in Science Research – 1-5 Credits**

A junior/senior-level elective course for advanced students desiring further experience in basic science research methods. Under the science instructor's supervision, the student will propose, carry out, and report on a research project in a science area of their interest. One credit hour is given for every 15 hours of qualifying laboratory work, repeatable up to five credits.

*Prerequisites: Biology I with minimum grade of "B", concurrent enrollment in second semester Chemistry with minimum grade of "B".*

## Vocational Technology

### Construction I – 10 Credits

This course is an introduction to the basic building materials, methods, and sequences in residential construction. It is designed to give students basic skills in construction and related trades along with an overview of career opportunities available. Emphasis is placed on safety and the proper use of hand and power tools. This course provides students the experience of working on various woodworking skill building techniques.

### Construction II – 10 Credits

This hands on course is designed to build on Construction I, further detailing materials, methods, and tools of the construction trade. Students will get detailed knowledge of building construction by working on the construction of a tiny house or other similar projects.  
*Prerequisite: Construction I; Fee \$100/semester.*

### Advanced Construction Technology – 10 Credits

The purpose of Advanced Construction is to fine tune academic skills (reading and drawing blueprints, use of fractions, proficiency in reading a tape measurer and framers square), and the manipulative skills to become proficient with the process of building. Will be competing in Skills USA as part of class participation. This class sets the groundwork for a construction/carpentry apprenticeship.  
*Prerequisite: Construction I and II; Fee \$100/semester.*

### Automotive Technology I – 10 Credits

This course is a task-oriented class, with classroom activities intended to reinforce skills and safety used in today's high paying, high security careers. This course is designed to introduce students to proper maintenance and basic auto repair. Students will become familiar with basic mechanics of a vehicle, as well as the tools and methods that are involved with auto repair and maintenance.

### Automotive Technology II – 10 Credits

This course will offer students hands on experience in auto repair under the supervision of the class instructor. Students will take ASE certification testing as part of this course. Opportunities are also available for students to participate in student and professional organizations such as Skills USA.  
*Prerequisite: Automotive Technology I; Fee \$100/semester.*

### Advanced Automotive Technology – 10 Credits

This is a hands-on interactive class to further develop skills and knowledge in Auto Mechanics, Repair, Fabricating, Diagnostics, and Customizing.  
*Prerequisite: Auto Technology I and II; Fee \$100/semester.*

### Home Arts – 5 Credits

A course designed to introduce the student to proper food preparation and to the food service industry. Topics include baking, healthful eating principles, and basic food preparation techniques.

### Introduction to Business – 5 Credits

A course designed to provide students with an understanding of the economic environment in which we all live. An introductory study of business, how business meets consumer needs and wants, economic principles, desirable business practices, and awareness of career opportunities in the field of business.

## Dual Credit & Additional Courses

DAA works with many secondary schools, colleges, and universities to provide additional courses for student interests and education goals. The Academic Standards Committee works with students interested in taking online and/or dual-credit college courses in order to ensure a good fit. Credit cannot be given for a course until the cooperating institution issues a student grade indicating completion of the course. Course offerings are available either during the summer and/or during the school year; requirements must be met for course eligibility, and eligibility varies by institution. All courses must be approved by the Academic Standards Committee prior to enrollment if seeking high school credit.

### Dual Credit Courses

#### Sciences

ANSI 114 Animal Science, 3 credits (AU)

ANTH 200 Cultural Anthropology, 3 credits (AU)

BIOL 208 Environmental Science, 4 credits (AU)

FDNT 230 Nutrition, 3 credits (AU)

HORT 150 iGrow, 4 credits (AU)

#### Mathematics

MATH 168 Precalculus, 4 credits (AU)

MATH 191 Calculus I, 4 credits (AU)

#### Religion

RELB 230 Biblical Prayers, 3 credits (AU)

#### Humanities

ENGL 115 College Writing I (seniors only), 3 credits (AU)

ENGL 115 College Writing I (seniors only), 3 credits (AU)

ENGL 215 College Writing II (seniors only), 3 credits (AU)

HIST 117 Civilization & Ideas I, 3 credits (AU)

HIST 118 Civilization and Ideas II, 3 credits (AU)

HIST 157 West and the World (UC)

LITR 231 Ancient Western Literature (UC)

#### Social Sciences

PSYC 101 Introduction to Psychology, 3 credits (AU)

PSYC 101 Introduction to Psychology, 3 credits (AU)

SOCI 119 Principles of Sociology, 3 credits (AU)

Associated Institutions Denoted: Andrews University (AU) and Union College (UC)

## Additional High School Courses

### **Agriculture**

Mechanics Power Systems  
Welding & Fabrication  
Agriculture Sales & Service/Marketing  
Botany Science/Agronomy Science  
Vet Science  
Livestock Production

### **Aviation**

Aviation Technology I  
Aviation Technology II

### **Graphic Arts**

Graphic Design & Photography I  
Graphic Design & Photography II

### **Electronics**

Electronics Technology I  
Digital Electronics Technology

### **Information Technology**

Introduction to Information Technology  
IT Essentials - PC Hardware & Operating Systems  
IoT (Internet of Things)  
Cybersecurity  
Introduction to Programming/Coding  
Coding with Visual Basics - Programming Essentials  
Programming in C++  
Introduction to Networking  
Network Fundamentals I  
Network Fundamentals II

### **Marketing**

Marketing  
Sports & Entertainment Marketing  
Principles of Finance  
Social Media Marketing  
Principles of Entrepreneurship

### **Family & Consumer Science**

Parenting  
Independent Living  
Child Development  
Family Living

### **Health Science Careers**

Medical Related Careers I  
Medical Related Careers II  
Medical Terminology  
Certified Nursing Assistant  
Emergency Medical Technician  
Sports Medicine - Prevention & Care of Athletic Injuries  
Medical Records

### **Technology & Engineering**

STEM Seminar I  
STEM Seminar II  
Foundations of Engineering I  
Foundations of Engineering II

Courses available through the DAA-Missouri River Area Career & Technical Center cooperative agreement.

If you don't see what you are looking for, ask us and we will help you find it!