The following are the course descriptions for the courses candidates take in the baccalaureate degree program.

ENG 110 - Composition I 3 credits
This course concentrates on the whole process of writing, which involves three essential stages: Pre-writing, writing and revision. Course work develops and reinforces this writing method. Expository writing is emphasized through essay and research paper format.

ENG 120 - Composition II 3 credits
This course is designed to apply to principles of the whole process of writing to college level writing requirements. Concentration is placed on specific kinds of college writing skills necessary to further their academic work. These include essay writing, report writing, as well as term and research paper writing. Vocabulary is emphasized. Self-paced, individualized computer aid is required to introduce and reinforce grammatical concepts. Prerequisite: ENG 110

COMM 110 - Fundamentals of Public Speaking 3 credits
This course concentrates on important elements of interpersonal communications, as well as public speaking. Course work includes instruction in basic concepts and techniques, which enable students to design and effectively deliver a variety of speeches.

NAS 201 - History of the Three Affiliated Tribes 3 credits
This course will examine the origin of the Arikara, Hidatsa, and Mandan tribes, based on oral traditions. Archeology as a method of study of lifestyles will be included.

NAS 113 - Hidatsa I / IS 115 - Mandan I / IS 117 - Arikara I 3 credits
Introduction of basic fundamentals of sound, pronunciation, vocabulary, and phraseology. The course integrates the Indian culture with the language.

EDU 238 - Children’s Literature 3 credits
This course is an introductory study of poetry, folk and fairy tales, myths and legends, modern realistic stories, historical, biographical, and science books for children in the first six grades. Prerequisite: ENG 110.

PSY 111 - Introduction to Psychology 3 credits
Fundamentals of psychology will be presented, including the physiological and cultural basis of human behavior; theories of learning, thinking and behavior; techniques of studying human behavior.

PSY 250 - Developmental Psychology 3 credits
This course will examine the normal physical, intellectual, emotional, and social influences on psychological developments. Emphasis will be placed on the significance of childhood and Adolescence in adult development. Prerequisite: PSY 111

HIS 220 - North Dakota History 3 credits
The study of the history of North Dakota is to examine the peoples, the events and the landscapes of the state. The history of North Dakota will allow for more than a study of names, dates, facts
and figures that relate to the 71,000 square miles of the territory on the Northern Great Plains. This course will encourage the placing of the region in historical context, the politics of immigration, historical frameworks, thematic structures, economic dependency and possible directions for the future of the state.

MATH 103 - College Algebra 4 credits
Equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, systems of equations. Prerequisite: MA 102 or equivalent

BIO 111 - Concepts of Biology 4 credits
A survey of living things and their biological relationships. Provides general knowledge and cultural appreciation of contemporary biology. Includes laboratory and field activities.

CSCI 101 - Introduction to Computers 3 credits
Material covered will include information for inexperienced computer users: an introduction to the Internet, understanding personal computers and Microsoft Windows. Topics will include the basic skills necessary to work with windows, application basics, the desktop, copy and paste, and other Windows techniques will be introduced.

PSY 100 - Psychology of Student Success 1 credit
Designed to help students succeed in college, including introduction to Information Literacy, goal setting, and problem solving. Basic wellness including physical health, assertiveness, time management and communication skills will be emphasized. Students will understand student assessment and will begin developing their e-portfolios.

GEOL 100 - Earth Science 4 credits
Introduction to the study of the Earth, its internal and external processes, atmosphere and natural resources. Includes laboratory.

GEOG 150 - Introduction to Geography 3 credits
Major geographic themes will be studied and applied to selected regions, including the physical environment, mainland relationships, and regional analysis.

MATH 277 - Math for Elementary School Teachers 3 credits
This class is designed specifically for elementary education. Topics include problem solving, number systems, number theory and reasoning, computer software, calculators, and manipulative usage. Prerequisite: MA 103 or consent of instructor.

HPER 210 - First Aid/CPR 2 credits
This course is designed to give students an introduction to the skills necessary for immediate response to emergency situations and will include training in cardiopulmonary resuscitation.

MATH 377 – Geometry for Elementary Teachers 3 credits
This course investigates experimental and inductive discovery in building geometric concepts at the elementary school level.
PSY 230 - Educational Psychology 3 credits
Emphasizes principles of child development, learning theory, classroom management, and effective teaching through lectures, class discussion, research review groups, and field experiences. Prerequisite: ED 250 and PSY 111

HIS 103 - United States History I 3 credits
A survey of early American history, including old world background, transformation of British institutions into American institutions, the Revolutionary War period, the establishment of the Union, and the Civil War period up until reconstruction.

HPER 225 - Elementary Health and Physical Education Activities & Methods 3 credits
This course will focus on health topics pertinent to the elementary child with an emphasis on Native American concerns, and how to provide support and effective instruction in elementary physical education.

NAS 101 - Introduction to Indian Studies 3 credits
General Overview of the various tribes throughout the United States. Course will include the study of locations, language groups, cultural groups, cultural practices, and similarities and relationships of the American Indian.

CHEM 115 - Introductory Chemistry 4 credits
Introduces students to basic principles and concepts of chemistry. Topics include atomic theory, stoichiometry, bonding and nuclear chemistry. Includes laboratory. Prerequisite: MA 102 or consent of instructor.

GEOL 210 - Astronomy 3 credits
A study of the universe that begins with the Earth as a planet, the planets, and satellites of our solar system, and moves out through stellar astronomy to galaxies and into the very fabric of the universe.

PHY 211 - Physics 4 credits
Prerequisite: College Algebra/Trigonometry
This is a beginning course for students without a calculus background. Students will demonstrate an understanding of the foundations of Classical Physics—force, energy, power, position/velocity/acceleration, momentum, waves—and skills in interpreting graphs, critical thinking, problem-solving, and applications. Included will be some review of trigonometry and the metric system.

EDU 273 - Physical Science for Elementary Teachers 4 credits
Physical Science for elementary teachers will introduce and develop concepts of Chemistry, Astronomy and Physics (motion, heat, light, sound, pressure, aerodynamics, magnetism, and electricity). The course is about the laws, theories, and facts of science and to teach science to grade school children. The course is made up of lots of classroom experiments and demonstrations, classroom management, appropriate assessment techniques, and cooperative and collaborative methods in the science room.
MATH 165 - Calculus I 4 credits
Limits, continuity, differentiation, intermediate value and mean value theorem, indefinite integrals, and definite integrals.

MATH 210 - Elementary Statistics 4 credits
Descriptive statistics, sampling statistical methods of gathering, presenting, and analyzing data. Topics include basic concepts in measuring, scaling, binomial and normal distribution, hypothesis testing and regression. Prerequisites: MA 103 or equivalent.

EDU 210 - Introduction to Exceptional Children 3 credits
This orientation course surveys several topics: The identification and characteristics of exceptional children; challenges posed by having exceptional children in the mainstream elementary classroom; educational responsibilities of elementary teachers according to PL 94-142 (as amended) and other applicable legal regulations and ethical guidelines; problem-solving skills of elementary teachers as evidenced by IEP development; observation skills; and balanced creative and critical problem-solving approaches.

EDU 222 - Technology for Teachers 3 credits
The major emphasis of the course will be the development of computer skills for classroom teachers. Topics include applications for lesson plans, technology integration into the curriculum, record keeping, graphics, the Internet and also software and web page evaluations.

EDU 224 - Fine Arts Activities & Methods 3 credits
This course will provide teachers with Fine Arts content knowledge as well as a variety of approaches to instruct children in the classroom. The educational success of our children depends on giving them imagination, creativity, and a sense of expression as well as academic competencies. Areas to be covered include artistic literacy, dance, music, theater, visual arts, and student assessment.

EDU 232 - Classroom Management 3 credits
The successful teacher knows how to provide students with the best possible learning environment. This course will explore methods and techniques that will ensure the children have an educational setting that will enhance their learning experiences.

EDU 237 - Music for Elementary School Teachers 2 credits
The goals of this course are to introduce elementary education majors to various methods and materials for teaching music in the elementary school and to develop the musical potential of each person to the fullest extent.

EDU 250 - Introduction to Education 3 credits
This course explores teaching as a profession, including social, psychological, historical, and philosophical foundations of education.

EDU 297 – Middle School Field Experience 2 credits
Students in this class will participate in a field experience in a middle school classroom to gain practical experience in areas such as: observing teaching and adolescent behavior; participating
in small instructional groups; correcting assignments; assisting with record-keeping; assisting with technology; and other activities assigned by the cooperating teacher.

EDU 298 - Pre-Professional Experience 1 credit
Students in this class will participate in an early field experience in elementary or secondary schools to gain practical experience in areas such as: observing teaching; participating in small instructional groups; correcting assignments; assisting with record-keeping; assisting with technology; and other activities assigned by the cooperating teacher.

EDU 300 – Elementary Practicum I 1 credit
This course is designed to give students practical experience in the classroom. The first practicum is focused on observing children, making written observations and working in single or small groups under the teacher’s supervision.

EDU 305 – Multicultural Education 3 credits
This course examines the historical development of American ethnic and cultural diversity. It will help students better understand children in culturally diverse classrooms as well as preparing them to teach about cultural diversity.

EDU 320 – Curriculum Instruction & Assessment 2 credits
A general curriculum development and instruction course designed for the undergraduate pre-service teacher across all disciplines. It introduces and provides practice in planning, multiple instructional strategies, and methods of formal and informal assessment.

EDU 392 – Foundations, Issues, and Trends 2 credits
Students will study current issues and trends in education and the political and social conflicts which affect the teaching profession and progress in American education. Students will also be required to develop a personal philosophy of education and learn how an effective school philosophy can guide school as they develop their educational goals.

EDU 400 – Elementary Practicum II 1 credit
This course is designed to be taken concurrently with the methods courses. Students will work with children in the areas of science, math, reading, social studies, language arts, physical education, and art under the teachers’ supervision.

EDU 402 – Teaching Reading in the Content Area/Diagnostic Reading 3 credits
This course is a study of teaching reading at the elementary and middle school levels as well as learning about current approaches to assessment and methods to assist students who are having difficulty with reading and writing. The application of reading methods and strategies in literature and content area reading for different purposes will be emphasized, as well as application of strategies and study skills, and use of a variety of performance assessments.

EDU 421 – Math Methods & Materials 3 credits
This course is a survey of current elementary and middle school math teaching strategies and math programs with an integration of theory and practice. Students explore how to facilitate the
learning of mathematics in a constructivist environment through the use of investigations, manipulatives, technology, and holistic forms of assessment.

EDU 422 – Language Arts Methods & Materials 2 credits
This course includes curriculum, theory, and methodology in language arts. Students will design constructivist curriculum based upon philosophies of instruction in reading, writing, listening, speaking, and thinking.

EDU 423 – Reading Methods & Materials 3 credits
This course is designed to examine effective research based instructional practices used to teach reading in the elementary and middle school curriculum. Students will learn different approaches to reading and writing in the classroom, with an emphasis on constructivism, to effectively meet learners’ needs.

EDU 424 – Social Studies Methods & Materials 2 credits
This course is a survey of elementary and middle school social studies teaching strategies and social studies programs with an emphasis on the integration of theory and practice. It is designed to help the student to understand and analyze the different modes of teaching social studies and to gain the competencies necessary for organizing a unit in social studies. Constructivist methods will be emphasized.

EDU 426 – Science Methods & Materials 3 credits
This course is a survey of current elementary and middle school science teaching strategies and science programs with an emphasis on the integration of theory, practice, and constructivism.

EDU 450 – Middle School Curriculum & Philosophy 2 credits
This course acquaints students with the philosophy of middle school education and current practices in middle school curriculum, instruction, and assessment.

EDU 451 – Middle School Teaching Methods 3 credits
This course is designed to develop the skills and teaching strategies to implement a middle school program. These items will be covered: thematic curriculum development, advising, working with parents, constructivism, and assessment.

EDU 492 – Student Teaching 16 credits
This course provides students with the opportunity to assume the role of a classroom teacher in an educational setting under the supervision of a cooperating teacher and the Teacher Education Department. This is an opportunity for students to create constructivist lesson plans, utilize them, and assess outcomes using the skills they have learned.