Excelsior College Bachelor of Science in Nuclear Engineering Technology
Bismarck State College AAS – Nuclear Power Technology
Transfer Guide – October 1, 2011

Bismarck State College AAS – Nuclear Power Technology

- NUPT 101: Overview of Nuclear Energy
- NUPT 103: Nuclear Mathematics Fundamentals
- NUPT 105: Classical Physics
- NUPT 107: Engineering Drawings, Diagrams and Schematics
- NUPT 113: Mechanical Science
- NUPT 215: Nuclear Plant Chemistry
- NUPT 109: Electrical Science
- NUPT 213: Nuclear Physics
- NUPT 217: Heat Transfer Fluid Flow & Thermodynamics*
- NUPT 111: Instrumentation and Control
- NUPT 221: Science of Radiological Protection
- NUPT 219: Material Science
- NUPT 220: Reactor Theory
- NUPT 225: Nuclear Plant System Components, Design and Function
- NUPT 223: Reactor Safety Design
- NUPT 227: Conduct of Facility Operations
- ENGL 110: College Composition
- ENGL 120: College Composition II
- PHIL 210: Ethics
- CSCI 101: Introduction to Computers
- BIOL 111 and BIOL111L: Concepts of Biology and Lab

Total Credits Transferred from AAS Degree: 68

Bismarck State College Courses Beyond the AAS

- Communications: ENGL 125 OR COMM 110
- Social Sciences/History
- Humanities
- MATH 107: Pre-Calculus
- MATH 165: Calculus I
- MATH 166: Calculus II
- CHEM 121: General Chemistry I
- CHEM 121L: General Chemistry I Lab
- PHYS 212: College Physics II
- PHYS 212L: College Physics II Lab
- ENGR 241: Thermodynamics

Total Additional Credits Completed at Bismarck State College: 40

Excelsior College courses to complete the bachelor degree

- NUC*230: Atomic Physics
- INL*102: Information Literacy
- NUC*211: Radiation Measurement Lab
- NUC*250: Heat Transfer and Fluid Mechanics
- NUC*325: Nuclear Materials
- NUC*495: Integrated Technology Assessment
- ELEC*160: Electronics I (with lab)
- Upper level technical electives

Total Credits Completed at Excelsior College: 28

*Will not transfer