Bachelor of Science in Mathematics
Graduation Requirements

Requirements for Mathematics

- MATH 230  Discrete Mathematics .......................................................... 3
- MATH 251  Calculus I .......................................................... 4
- MATH 252  Calculus II .......................................................... 4
- MATH 315  Applied Statistics .......................................................... 3
- MATH 320  Linear Algebra .......................................................... 3
- MATH 325  Differential Equations .......................................................... 3
- MATH 355  Multivarible Calculus .......................................................... 3
- MATH 495  Internship .......................................................... 3
- MATH 499  Senior Capstone .......................................................... 3
- Choose two of the following approved electives .................................................. 6
  - MATH 340  Advanced Geometry
  - MATH 365  History of Mathematics
  - MATH 407  Special Topics
  - MATH 411  Real Analysis I
  - MATH 420  Topology
  - MATH 430  Advanced Data Analysis
  - MATH 445  Modern Algebra

Graduation Requirements:

- Completion of 124 Credits
- Completion of 6 credits of mathematics or science beyond the general education (Core) requirements. These credits may be fulfilled with coursework from the major.
- Completion of General Education Core curriculum
- Completion of an Academic Major
- Minimum of 30 credits from NCU
- Minimum of 40 upper division credits (300 level of above)
- Minimum of 27 upper division credits in the major (one-third in case of minor)
- Cumulative GPA of 2.0 or better for all coursework, including transfer work
- At least a C- in each course in the major
- Satisfactory writing competency
- Applied to graduate
General Education Core Requirements-BS

- Additional 6 (six) credits of Mathematics of Science (these credits can meet major courses)
  - WR 121 English Composition ................................................................. 3
  - WR 123 English Composition ................................................................. 3

- Interdisciplinary Studies ................................................................. 11–12
  - IDS 151/152 Engaging World Thought & Culture ........................................ 6
  - IDS 251 Engaging American Thought & Culture ........................................ 3
  - IDS 251S Appreciation of American Thought & Culture Seminar ............ 2
  - PYS 101 First-Year Seminar* ................................................................. 1
    (*Not required for transfer students with 24 or more earned semester credits)

- Humanities ......................................................................................... 6
  - PHL 210 Ethics .................................................................................... 3
  - Communications Elective (choose one of the following) .......................... 3
    COMM 212 Public Speaking
    COMM 213 Interpersonal Communication

- Social Sciences ................................................................................... 5–6
  - Choose courses from at least two of the following areas:
    - Anthropology
    - History
    - Business
    - Psychology
    - Economics
    - Religion
    - Education
    - Sociology

- Math/Science/Computer ................................................................... 6–9
  - Minimum six credits with at least one course in each of the following areas:
    - One science course with lab
    - One college-level mathematics course
    - One computer course—these NCU courses meet the computer requirement:
      - CIS 123 Word Processing, Spreadsheets and Presentations
      - CIS 125 Introduction to Web Page Design
      - CIS 130 Introduction to Computer Sciences and Organization Theory
      - EDUC 230 Technology for Teaching and Learning
      - MUS 118/119 Music Technology/Pro Tools 101

- Diversity Studies ................................................................................ 3
  - Choose one course from approved electives in the following list:
    - ANTH 210 Cultural Anthropology
    - BUS 120 History of Entrepreneurship
    - COMM 220 Intercultural Communication
    - EDUC 210 School Diversity
    - EDUC 415 Faith Integration and Teaching Seminar
    - HIST 240 History of the Pacific Northwest
    - RELS 210 The Abrahamic Faiths of Judaism and Islam
    - RELS 220 Living Religious Traditions of the Far East
    - SOC 200 Introduction to Sociology

- Bible & Christian Ministry Studies ................................................... 12
  - BTH 101/102 Engaging with the Bible ................................................... 6
  - *CM 240 All Are Gifted, All Are Called ............................................. 2
  - Any BTH elective at the 200 level or above ......................................... 4
  - *EDUC 415 Faith Integration and Teaching Seminar is an approved alternative for Teacher Education majors.

- Health/Physical Education ................................................................. 2
  - Choose courses from Physical Education or Sports/Athletics

Minimum General Education CORE for all majors ........................................... 48