

60 hours required

English Composition (6 Hours)

- ENGL 1013 Composition I
- ENGL 1023 Composition II

Arts (3 Hours)

- ARHS 1003 Art Appreciation
- COMM 1003 Film Arts
- THTR 1003 Introduction to Theater
- MUSI 1003 Music Appreciation

Humanities (3 Hours)

- ENGL 2213 Survey of World Literature I
- ENGL 2223 Survey of World Literature II
- FLAN 2003 Intermediate Foreign Language I*
see note
- PHIL 2003 Introduction to Philosophy
- PHIL 2103 Introduction to Ethics
- PHIL 2203 Logic

U.S. History Or Government (3 Hours)

- HIST 2003 History of American People-1877
- HIST 2013 History of American People 1877 to Present
- PLSC 2003 American National Government

Social Sciences (6 Hours)

- ANTH 1023 Introduction to Cult. Anthropology
- GEOG 1123 Human Geography
- GEOG 2313 World Regional Geography
- HIST 1003 Western Civilization to 1650
- HIST 1013 Western Civilization Since 1650
- HIST 1033 World Civilizations to 1500
- HIST 1043 World Civilization Since 1500
- HIST 2003 History of American People-1877
- HIST 2013 History of American People 1877 to Present
- PLSC 2203 State & Local Government
- PSYC 2003 General Psychology
- PSYC 2103 Human Growth & Development
- SOCI 2013 General Sociology
- SOCI 2033 Social Problems

An additional economics or U.S. History course may also be taken toward this requirement.

Economics (3 Hours)

- ECON 2013 Macroeconomics or
- ECON 2023 Microeconomics or
- ECON 2143 Basic Econ: Theory & Practice

Lab Science (4 Hours)

- BIOL 1544 Principles of Biology I
- CHEM 1124 College Chemistry II
- GEOL 1114 General Geology

Technical Support Courses (15 Hours)

- GNEG 1103 Intro to Engineering
- CHEM 1104 College Chemistry I
- MATH 2554 Calculus I
- PHYS 2054 Advanced College Physics I

Degree Emphasis Courses (Choose 17 Hours)

Based on concentration area and transfer program (consult advisor),

Lower Level Mathematics: (depending on placement and prerequisite need)

- MTCM 1003 Communications & Math for Workforce Development
- MATH 1203 College Algebra
- MATH 1285 Pre-Calculus
- MATH 1213 Trigonometry

Higher Level Mathematics:

- MATH 2564 Calculus II
- MATH 2574 Calculus III
- MATH 2584 Differential Equations

Drafting/Computer Aided Design:

- DRFT 2114 Auto CAD I
- DRFT 1234 Engineering Graphics I
- DRFT 1244 Engineering Graphics II
- DRFT 2154 Auto CAD II

Biological/Biomedical Engineering:

- CHEM 1124 College Chemistry II
- MEEG 2403 Thermodynamics
- MBIO 2014 General Microbiology
- PHYS 2074 Advanced College Physics II

Chemical Engineering:

- MEEG 2403 Thermodynamics
- PHYS 2074 Advanced College Physics II

Computer Science/Engineering:

- COMM Public Speaking
- CISQ 1103 Introduction to Computer Information Systems
- MATH 2103 Discrete Math
- PHYS 2054 Advanced College Physics II
- PROG 1003 Programing Logic
- PROG 1203 C++ Programming I
- PROG 2203 C++ Programming II

Civil Engineering:

- CHEM 1124 College Chemistry II
- GEOL 1114 General Geology

Electrical Engineering:

- CISQ 1103 Introduction to Computer Information Systems
- MEEG 2403 Thermodynamics
- PHYS 2074 Advanced College Physics II
- PROG 1003 Programing Logic
- PROG 1203 C++ Programming I

Industrial Engineering:

- CISQ 1103 Introduction to Computer Information Systems
- MEEG 2003 Statics
- PHYS 2074 Advanced College Physics II
- PROG 1003 Programing Logic
- PROG 1203 C++ Programming I

Mechanical Engineering:

- MEEG 2003 Statics
- MEEG 2013 Dynamics
- MEEG 2403 Thermodynamics
- PHYS 2074 Advanced College Physics II

Honors sections are permissible for any courses for which they are offered.

POSSIBLE PLACEMENT REQUIREMENTS **Students scoring 77 or below on the Accuplacer Reading Placement Test or 18 or below on the ACT Reading Placement Test shall enroll into either ENGA 0033 or ENGA 0091 during their first or second semester in college and each subsequent semester, if necessary, until the course is successfully completed. NWACC strongly recommends that students enroll in English and math preparatory courses within the first two semesters.

- MATH 0013 Pre-algebra
- MATH 0023 Developmental Math
- MATH 0053 Beginning Algebra
- MATH 0063 Algebra I
- MATH 0073 Algebra II
- MATH 0064 Foundations of Math Reasoning
- MATH 0103 Intermediate Algebra
- MATH 0214 Foundations of Algebra-STEM
- ENGA 0033 College Reading**
- ENGA 0063 Intermediate Writing
- ENGA 0091 Academic Literacy Lab**
- ENGC 0033 College Reading & Vocabulary
- ENGC 0043 Communication & Culture
- ENGC 0063 Intermediate Writing

These hours will not fulfill any degree requirements at NWACC. These courses will not transfer to a four year institution.

Notes:

***Course may require prerequisites that are not covered under this degree plan.**

-Engineering programs and schools may not accept all courses available under this degree and course requirements vary based on selected engineering concentration. Please consult the Science & Math Academic Advisor to ensure acceptable courses are selected.

-A list of approved transfer courses to the University of Arkansas's College of Engineering is available on the Science and Math Division website.

Note: Courses listed under Degree Emphasis section on this advising sheet, will be counted toward satisfying the Approved Elective requirements on the degree sheet for graduation.