

**NorthWest Arkansas Community College-Associate of Science  
 Transfer Guide for Engineering (B.S.Eng.)  
 Electrical/Computer or Mechanical Concentration  
 At John Brown University**

**May 2007**

General Education Requirements:

English composition: **6 hours**

- \_\_\_ ENGL 1013
- \_\_\_ ENGL 1023

English Composition I  
 English Composition II

Fine Arts/Humanities: **6 hours**

- \_\_\_ PHIL 2003^
- Select one fine art:
- \_\_\_ HUMN 1003
- \_\_\_ ARHS 1003
- \_\_\_ MUSI 1003

Introduction to Philosophy  
 Exploring the Humanities  
 Art Appreciation  
 Music Appreciation

Speech/Communications: **3 hours**

- \_\_\_ COMM 1313\*

Fundamentals of Communication

Mathematics: **8-15 hours**

- \_\_\_ MATH 1204\*\*
- \_\_\_ MATH 1213\*\*
- \_\_\_ MATH 2554
- \_\_\_ MATH 2564

College Algebra  
 Trigonometry  
 Calculus I  
 Calculus II

Natural Science: **12 hours (Advanced Physics I must be taken after Calculus I)**

- \_\_\_ CHEM 1104
- \_\_\_ PHYS 2054
- \_\_\_ PHYS 2074

College Chemistry I  
 Advanced College Physics I  
 Advanced College Physics II

Government: **3 hours**

- \_\_\_ PLSC 2003

American Government

Social Sciences: **6 hours**

- \_\_\_ WCIV 1003
- \_\_\_ WCIV 1013

Western Civilization I  
 Western Civilization II

Life Skills (**Choose 1 option for 2-3 Hours**)

- \_\_\_ CISQ 1103
- \_\_\_ HLSC 1002

Introduction to Computer Information\* **or**  
*Demonstration of Computer Literacy for credit\** **or**  
 Wellness Concepts\*

Elective NWACC courses to earn an associate degree that will transfer into this major at JBU include:

- \_\_\_ GENG 2003
- \_\_\_ PROG 1203

Introduction to Engineering  
 C++ Programming I

These courses will not necessarily result in an AS degree without additional courses to complete the 61 credit hours required. It depends on how many math courses you are required to take based on placement test. See AS degree for list of course choices if you choose to finish the associate's degree and graduate from NWACC. You may also transfer back to NWACC from JBU the additional hours you need. See an advisor for more information. \*This course is not a degree requirement at JBU but it is a requirement for the AS degree at NWACC. It is possible to earn the computer credit by passing a Challenge Exam. See an advisor for details.

\*\*These courses are not required for the Engineering major but may be necessary because of placement testing or prerequisite requirements.

^This course replaces an upper division requirement at JBU (i.e., course number 3000+). JBU requires at least 35 upper division credits; if too many such courses are taken at the community college level, it would be necessary to complete upper division electives at JBU. You may choose to wait and take the equivalent of this course at JBU and then transfer the credits back to NWACC to earn the associate degree.

Any grade below a 'C' will not transfer.

**TOTAL REQUIRED HOURS FOR THE AS DEGREE: 61 HOURS**

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