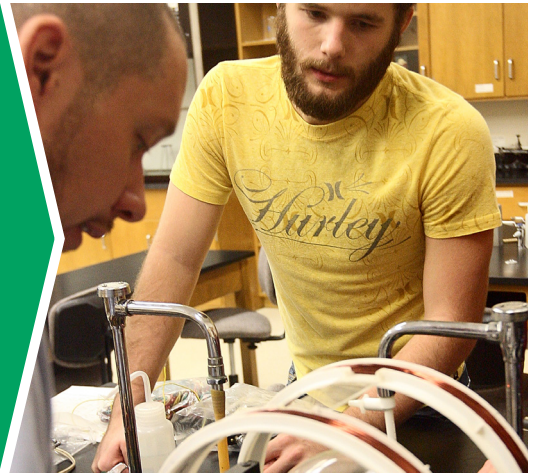


Find your path at John Wood

Engineering

In the next six years, 14,600 positions (5% increase) in the U.S. will need to be filled by individuals with engineering skills.



Like?

Create

Problem Solve

Work in a team environment

Learn to

Develop, build and test mechanical devices, tools, engines and machines

Analyze problems to see how mechanical devices might solve a problem

Collaborate with other engineers

Average Annual Earnings

\$84,190 (\$40.48/hour)

Source: Bureau of Labor Statistics

Potential Careers

Architectural and Engineering Manager, Drafter, Materials Engineer, Nuclear Engineer, Natural Sciences Manager, Physicist, Petroleum Engineer, Sales Engineer

Type of Work

Analyze problems to see how mechanical devices or alternative approaches might help solve a particular problem or design. Use analysis and computer-aided design, develop and test prototypes, analyze the test results and change the design or system needed, oversee manufacturing processes.

JWCC Degrees Transfer

Build Upon Your Education

2 Years = Associate in Engineering Science
↓ +

2 Years = Bachelor's Degree in Engineering

JWCC Difference

- Grads work at NASA and all engineering fields
- Washington University-trained professor instructs courses



jwcc.edu/engineering

217.641.4337

admissions@jwcc.edu

AS Engineering Degree—Transfer

SUGGESTED DEGREE PLAN

First Semester

Course	Description	Credit Hours
CHM 103	Principles of Chemistry I	4
ENG 101	Rhetoric & Composition I	3
FYE 101	Blazing Your Trail	1
MAT 220	Analytic Geometry/Calculus I	4
PHL 111	Logic/Critical Thinking	3
		15

Second Semester

Course	Description	Credit Hours
CHM 104	Principles of Chemistry II	4
ENG 102	Rhetoric & Composition II	3
MAT 221	Analytic Geometry/Calculus II	4
PHY 227	Principles of Physics I	5
		16

Third Semester

Course	Description	Credit Hours
CAD 114	Introduction to Parametric Modeling	3
ECO 101	Principles of Economics I	3
EGR 203	Engineering Mechanics: Statics	3
MAT 222	Analytic Geometry/Calculus III	4
PHY 228	Principles of Physics II	5
		18

Fourth Semester

Course	Description	Credit Hours
CSC 119	Programming I*	3
ECO 102	Principles of Economics II	3
EGR 204	Engineering Mechanics: Dynamics	3
EGR 221	Electrical Circuit Analysis I	4
MAT 251	Differential Equations	3
		16

*Note: CSC 112 is a required pre-requisite for CSC119 and needs to be added to each students' degree plan some-time during semester 1-3.

SAVE

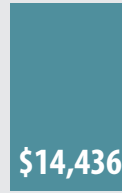


VALUE COMPARISON

One-Year Tuition
(32 credit hours)



\$5,216



\$14,436



\$26,527

- JWCC tuition (in-district)
- Area four-year public average tuition
- Area four-year private average tuition

For 2019-20 Academic Year

SUCCESS



JWCC ranks in the
TOP 10% in the Nation
for Student Success



TRANSFER

Credits Accepted Nationwide!



Plus many more!



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