

ASSOCIATE OF APPLIED SCIENCE DEGREE

Construction Technology: Energy Efficient Building Option

The Construction Technology program prepares students for employment in the construction industry or in related occupations. The program is built around NCCER (National Center for Construction Education and Research) standards and is comprised of a core component covering basic building practices in carpentry, masonry, concrete, electricity, and plumbing plus an additional specialty module. Students may specialize in general construction, electrical, plumbing, energy efficient building, or construction management. This particular program of study addresses the energy efficient building option with expanded coverage of project supervision and alternative energy sources.

Orientation 1 hour	
COLL	101
Communications 9 hours	
Written Communications (6 hours)	
ENGL	101* English Composition (3)
ENGL	203* Technical Report Writing (3)
Oral Communications (3 hours)	
SPCH	101* Fundamentals of Speech* (3)
Mathematics 3 hours	
BSAD	121* Business Mathematics (3)
MATH	104* Technical Mathematics (3)
Missouri Constitution 3 hours	
PLSC	103 National, State, Local Government (3)
HIST	106 U.S. History I (3)
Construction Technology Core 36 hours	
CONS	105 Intro to Construction Technology – CORE (3)
CONS	111 Carpentry Fundamentals I* (3)
CONS	114 Carpentry Fundamentals II* (3)
CONS	115 Carpentry Framing and Finishing I* (3)
CONS	117 Carpentry Framing and Finishing II* (3)
CONS	123 Basic Masonry* (3)
CONS	133 Basic Plumbing* (3)
CONS	143 Basic Electrical* (3)
CONS	173 Carpentry Forms I* (3)
CONS	175 Carpentry Forms II* (3)
CONS	223 Carpentry Advanced I* (3)
CONS	225 Carpentry Advanced II* (3)
Technical Specialty Option: Energy Efficient Building 9 hours	
CONS	243 Project Supervision* (3)
CONS	253 Project Management* (3)
CONS	263 Energy Efficient Building Technologies* (3)
Alternative Energy Elective 3 hours	
ENER	156,157,158 Projects in Alternative Energy (1,2, or 3)