

ASSOCIATE OF APPLIED SCIENCE DEGREE

Energy Efficient Building Technology: Alternative Technologies Option

The Energy Efficient Building Technology program prepares students for employment in the construction industry or in related occupations. The program is built around National Center for Construction Education and Research (NCCER) standards and is comprised of a core component covering basic employability skills, introductory carpentry, and green building practices coupled with specialty options of general construction, construction management, or alternative technologies. This Program of Study addresses the Alternative Technologies Option.

Orientation		1 hour
COLL 101*	College Orientation (1)	
Communications		9 hours
Written Communications: 6 hours		
ENGL 100	Mechanics of Composition (3)	
ENGL 101*	English Composition (3)	
ENGL 102*	Advanced English Composition(3)	
ENGL 203*	Technical Report Writing (3)	
Oral Communications: 3 hours		
SPCH 101	Fundamentals of Speech (3)	
Missouri Constitution		3 hours
HIST 106	U.S. History I (3)	
PLSC 103	National, State, Local Govt (3)	
Common Support Courses		8 hours
BSAD 125	Computer Applications (3)	
BSAD 103	Professional Development (2)	
DRFT 105*	Architectural Drafting (3)	
Common Construction Courses		15 hours
CONS 102	Introduction to Green Building (2)	
CONS 105*	Introduction to Construction Technology (3)	
CONS 111*	Carpentry Fundamentals I (3)	
CONS 114*	Carpentry Fundamentals II (3)	
CONS 290*	Construction Internship (4)	
Specialty Courses: ALTERNATIVE TECHNOLOGIES		28 hours
Required Courses: 25 hours		
MATH 111*	College Algebra (3)	
AMT 102*	Intro to Industrial Electricity (3)	
CONS 155*	Basic HVAC (3)	
CONS 161*	Weatherization Technology (3)	
CONS 248*	Sustainable Construction (1)	
CONS 264*	Geothermal Heat Pump Systems (3)	
CONS 265*	Alternative Energy Technologies (3)	
CONS 266*	Energy Usage Auditing I (3)	
CONS 267*	Energy Usage Auditing II (3)	
Specialty Electives: Choose 3 hours		
CONS 132*	Plumbing I (3)	
CONS 142*	Electrical Wiring I (3)	
CONS 173*	Carpentry Forms I (3)	
CONS 231*	Site Layout I (3)	
CONS 243*	Project Supervision (3)	
DEPT XXX	Any Technology or Business Division Course (3)	
Total Credit Hours for this Specialty:		64 hours

(*) These courses have pre-requisite requirements. See catalog description for details.