

**Associate of Technology (A.T.)  
Applied Engineering & Technology (AETE)  
Concentration: Construction Technology**

**DEPARTMENTAL REQUIREMENTS (60 credits)**

**ADVISOR NOTES**

**Required Core Courses**

(30 credits)

Grade	Course No.	Title	Cr
	AENG 120	Energy & Power Systems	3
	AENG 130	Production Materials & Processes	3
	AENG 241	Drafting Communications	3
	AENG 271	Processing Nonmetallic Materials ( <i>prereq AENG 130</i> )	3
	AENG 331	Construction Technology I ( <i>prereq AENG 271</i> )	3
	AENG 332	Construction Technology II ( <i>prereq AENG 271</i> )	3
	AENG 346	Architectural Drawing & Design ( <i>prereq AENG 241</i> )	3
	AENG 348	Green Buildings & Sustainable Systems ( <i>prereq AENG 241 and MATH 130</i> )	3
	OSEH 120	Safety, Health & Environmental Issues	3
	AENG ____	<b>Select ONE from AENG 300, 326, 347, 376</b> <ul style="list-style-type: none"> <li>• AENG 300 Co-op</li> <li>• AENG 326 Fluid Power (<i>prereq AENG 120 or 325</i>)</li> <li>• AENG 347 Engineering Visualization (<i>prereq AENG 241</i>)</li> <li>• AENG 376 Wood Technology (<i>prereq AENG 271</i>)</li> </ul>	3

**Required Related – Science & Math (7-8 credits)**

(Fulfills two G2 courses)

Grade	Course No.	Title	Cr
	PHYS ____	<b>Select ONE from PHYS 103, 104 or 131:</b> <ul style="list-style-type: none"> <li>• PHYS 103 Elements of Physics</li> <li>• PHYS 104 Applied Physics</li> <li>• PHYS 131 Physics I</li> </ul>	4 4 4
	MATH ____	<b>Select ONE from MATH 130, 151, 160 or 161:</b> <ul style="list-style-type: none"> <li>• MATH 130 Elements of Statistics (<i>prereq: See Web Schedule or Undergrad Catalog</i>)</li> <li>• MATH 151 Calc for Mgmt, Life (<i>prereq C- or higher in MATH 101 or MPT 151</i>)</li> <li>• MATH 160 Precalculus (<i>prereq C- or higher in MATH 101 or MPT 160</i>)</li> <li>• MATH 161 Calculus I (<i>prereq C- or higher in MATH 160 or MPT 161</i>)</li> </ul>	3 4 4 4

**GENERAL EDUCATION REQUIREMENTS (27 credits min. – Note: 6 credits of Gen Ed are fulfilled by Required Related Courses)**

**G1 – HUMANITIES & FINE ARTS** [*ART, COMM/THEATRE, ENGL, FOREIGN LANG/HUMN, MUSI, PHIL*] (6 credits)

Grade	Course No.	Title	Cr

**G2 – SCIENCE & MATH** *These credits are fulfilled by Required Related Math & Science* (6 credits)

**G3 – SOCIAL SCIENCES** [*AFAM, ANTH, BUAD, GEOG, GOVT, HIST, INTL, PSYC, SOCY, SOWK/GERT, WSTU*] (6 credits)

Grade	Course No.	Title	Cr

**Additional General Education Requirements**

(9 credits)

Grade	Course No.	Title	Cr
	COMM 100	Fundamentals of Speech ( <i>minimum of "C-" required</i> )	3

	ENGL 110	English Composition ( <i>minimum of "C-" required</i> )	3
	ENGL ____	<b>Select <i>ONE</i> from:</b> <ul style="list-style-type: none"> <li>• ENGL 312 Technical Writing</li> <li>• ENGL 316 Business Writing</li> <li>• ENGL 318 Web Writing</li> <li>• ENGL 319 Science Writing</li> </ul>	3

FREE ELECTIVE (1-3 credits) – needed to meet 60 credit minimum; depends on credit value of science & math courses selected

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