



TENNESSEE STATE UNIVERSITY

Bachelor of Science (B.S.) Degree: Architectural Engineering Program Checklist

Effective Fall 2018

FRESHMAN SEMESTER FALL

Course	Cr	Grade	Sem/Year
ENGL 1010 Freshman English I	3		
MATH 1910 Calculus I	4		
CHEM 1110 General Chemistry I	3		
CHEM 1111 General Chemistry I Lab	1		
ENGR 1020 Freshman Engr Seminar	1		
ENGR 1151 Computer Engr Graphics	1		
UNIV 1000 Orientation	1		

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FRESHMAN SEMESTER SPRING

Course	Cr	Grade	Sem/Year
ENGL 1020 Freshman English II	3		
MATH 1920 Calculus II	4		
PHYS 2110 Physics I	3		
PHYS 2111 Physics I Lab	1		
AREN 1111 Architectural Graphics	2		
COMM 2200 Speech	3		

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SOPHOMORE SEMESTER FALL

Course	Cr	Grade	Sem/Year
MATH 2110 Calculus III	4		
ENGR 2230 Engr Programming	3		
ENGR 2110 Statics	3		
PHYS 2120 Physics II	3		
PHYS 2121 Physics II Lab	1		
HIST 2010 American History I	3		

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SOPHOMORE SEMESTER SPRING

Course	Cr	Grade	Sem/Year
MATH 3120 Applied Mathematics	3		
ENGR 2000 Circuits I	3		
ENGR 2001 Circuits I Lab	1		
ENGR 2120 Dynamics	3		
ENGR 2010 Thermodynamics	3		
CVEN 3120 Mechanics of Materials	3		
CVEN 3121 Mechanics of Materials Lab	1		

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Student is required to pass the ENGINEERING ENTRANCE EXAMINATION (EEE) prior to upper level (3000-4000) courses.

JUNIOR SEMESTER FALL

Course	Cr	Grade	Sem/Year
AREN 2300 Bldg Materials & Construction	3		
AREN 3410 Structural Analysis	3		
CVEN 3100 Fluid Mechanics	3		
AREN 3011 Architectural Design I	3		
ENGR 3400 Numerical Analysis	3		
AREN 4430 Lighting/Power Systems	3		

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JUNIOR SEMESTER SPRING

Course	Cr	Grade	Sem/Year
MEEN 4200 Heating & Air Conditioning	3		
AREN 3440 Steel Design	3		
AREN 3021 Architectural Design II	3		
AREN Technical Elective(1)	3		
HIST 2020 American History II	3		
AREN 2310 Arch. History (Hum. Elect)	3		

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SENIOR SEMESTER FALL

Course	Cr	Grade	Sem/Year
CVEN 3400 Materials Testing Lab	1		
ENGR 4500 Capstone Design Project I	1		
ENGR 4900 Prof Development Seminar	1		
ENGR 4400 Probability & Statistics	3		
AREN 3420 Reinforced Concrete Design	3		
AREN Technical Elective(1)	3		
Social Science Elective	3		

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SENIOR SEMESTER SPRING

Course	Cr	Grade	Sem/Year
ENGR 4510 Capstone Design Project II	1		
AREN 4470 Construction Management	3		
ENGR 4201 FE Review	0		
English Literature (Hum. Elect)	3		
Social Science Elective	3		
Humanities Elective	3		

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(1) Technical Elective(s) must be chosen based on the option (Mechanical or Structural) selected, courses chosen in conjunction with advisor.

Student's Name / T# _____ / _____	EEE[_____]	FE [_____]	Score _____
Internship Organization and Date: _____ / _____			
Advisor's Signature: _____	Date: _____	Department Head's Signature: _____	Date: _____