

ESSEX COUNTY COLLEGE TRANSFER ADVISEMENT EQUIVALENCY SHEET

Thomas Edison State College		Ess	ex County College		
BSAST – Energy Utility Technology		AAS	<u>S – Energy Utility Technology</u>		
		Com	Concerci Education Decuinamenta		
General Education Requirements:		Gen	teral Education Requirements:		
English Composition		Con	nmunication		
ENG 101 College Composition I	3	E	NG 101 English Composition I	3	
ENG 102 College Composition II	3	E	NG 102 English Composition II	3	
Social Science		Soci	al Science		
Psychology or Sociology	3	PS	SY 101 Introduction to Psychology	3	
Elective	3	SC	OC 101 Introduction to Sociology	3	
Elective	3				
LAS 321 Labor Relations and	3				
Collective Bargaining					
Natural Science and Mathematics					
Pre-Calculus and above	3	Lab	Science/ Math		
Statistics	3	МЛ	TH 113 College Algebra w/Trigonometry	3	
Physics I	3				
Physics II	3	Phys	sical Ed/Health		
Second Science	3	PH	E 119 or HLT 101	3	
Natural Science/ Math elective	3				
General Education Elective	3				
Humanities		Hun	nanities		
ENG 201 Technical Report Writing	3	Ar	1y History	3	
Organizational Communication	3				
Elective	3				
T 1 · 1 0	-				
Technical Core	_	Maj	or Requirements	2	
Energy Utility Industry	3	U	I 101 Intro. to Energy Utility Ind.	3	
Gas Combustion Technology	3	U	IT 102 Fund. of Gas Combustion	3	
Inside Plant Operations	3	U	II 103 Fund. of Power Alt Current	3	
Utility Engineering Technology	3	U	I 201 Energy Utility Co-op I	3	
Metering Technology	3	U	11 202 Energy Utility Co-op II	5 8 1/	
Underground Construction Methods	3	Ar	ny 2 courses from the following list:	0-14	
Appliance Service Technology	3	U	11 105, 106, 107, 108 or 109		
Gas Distribution Technology	3				
Power Plant Operations and Maintenance	3	Add	litional Requirements	3	
Electrical Systems Protection	3	EL	LC 115 Electric Circuits: AC & DC	2	
AC Circuits	3	BU	US 207 Leadership & Super in Org.	3 2	
DC Circuits	3	PH	1Y 101 College Physics I	3 2	
Fundamental of Electronics	3	PF	1Y 102 College Physics II	3	
Instrumentation and Control	3				
CAD	3				

Electives	
Financial Accounting	3
Managerial Accounting	3
Leadership and Supervision	3
Project Planning and Management	3
Applied Economic Analysis	3
Safety Management	3
Computer Requirement Programming Language	3
Total Credits Required	120

Thomas Edison State College

BSAST – Energy Utility Technology

<u>General Education Requirements</u> English Composition I and II

<u>Social Science</u> Psychology or Sociology

Natural Science/Math Pre Calculus and above Physics I Physics II Second Science Natural Science/ Math elective

<u>Humanities</u> ENG 201 Technical Report Writing Elective

<u>Technical Core</u> Energy Utility Industry Gas Combustion Technology AC Circuits DC Circuits Fundamental of Electronics CAD

Additional Courses	
ENG 105 Technical Writing	3
ENR 103 Engineering Graphics	3
ENR 105 Applied CAD	3
CIS 107 Computer Literacy	3
MTH 114 Unified Calculus	3
Total Credits Required	80
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Essex County College

AAS – Energy Utility Technology

<u>General Education Requirements</u> English Composition I and II

<u>Social Science</u> PSY 101 Intro to Psychology SOC 101 Intro to Sociology

Natural Science/Math MTH 114 Unified Calculus PHY 101 College Physics I PHY 102 College Physics II PHE 119 or HLT 101 MTH 113 College Algebra w Trig

<u>Humanities</u> ENG 105 Technical Writing Any History

<u>Major Requirements</u> UTI 101 Intro to Energy Utility Ind. UTI 102 Fund. of Gas Combustion UTI 103 Fund. of Power Alt Current UTI 103 Fund. of Power Alt Current ELC 115 Electric Circuits: AC & DC ENR 105 Applied CAD