

AS - Electrical Engineering 21-22 Recommended Program Sequence

All courses with a + sign indicate a prerequisite or co-requisite

GP

					UΡ
Term 1 (Fall/Spring: Max. 19 units, 12-15 u. recommended)		Units	Term 3 (Fall/Spring: Max. 19 units, 12-15 u. recomm	rended)	Units
ENGR 110+, Engineering Orientation and Basic Skills		3	ENGR 185+, Digital Logic and Design		4
Gen Ed. Area D2 MATH 150+, Calculus and Analytic Geometry		5	MATH 250+, Calculus and Analytic Geometry		4
General Education Area D1 (English 101+)		3	PHYS 120+, General Physics		4
General Education Area B #POLS 101		3	General Education C #THA 101		3
# Recommended	Total	14		Total	15
Term 2 (Fall/Spring: Max. 19 units, 12-15 u. recommended)		Units	Term 4 (Fall/Spring: Max. 19 units, 12-15 u. recommended)		Units
Gen. Ed. Area E CIS 161, Introduction to C Programming		3	ENGR 230+, Circuit Analysis		4
ENGR 125+, Programming and Problem Solving in MATLAB		4	MATH 230+, Introduction to Ordinary Differential Equations		4
MATH 160+, Calculus and Analytic Geometry		4	PHYS 211+, General Physics		5
Gen. Ed. Area A PHYS 110+, General Physics		4	General Education Area F #FTV 201		3
(Summer: Max. 15 units, 12 units recommended)	Total	15		Total	16
			Transfer or Graduate		

Take Summer classes if needed to complete the program in a timely manner.

The state requires all students to have a Comprehensive Educational Plan. Make a counseling appointment as soon as enrollment is established on any term. Come by the Counseling Center or call. Online Counseling is available: https://www.ayc.edu/studentservices/counseling

term. Come by the Counseling Center or call. On	mne Coun	•
Major Required Courses:		Area C Humanities: (min. 3 units)
CIS 161, Introduction to C Programming	3	ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136+, 137+, 140,
ENGR 110+, Engineering Orientation and Basic Skills	3	145, 150, 163+,
ENGR 125+, Programming and Problem Solving in MATLAB	4	CHIN 101, 102+, 201+, 202+
ENGR 185+, Digital Logic and Design	4	COMM 103, 112, 114, 214+
ENGR 230+, Circuit Analysis	4	DA 101
MATH 150+, Calculus and Analytic Geometry	5	DFST 101, 102+, 105, 106, 201+, 202+
MATH 160+, Calculus and Analytic Geometry	4	ENGL 102, 111+, 112+, 221+, 222+, 225+, 227+, 230+, 231+, 235+, 242+,
MATH 230+, Introduction to Ordinary Differential Equations	4	253+, 256+, 257+, 259+, 265+, 279+
MATH 250+, Calculus and Analytic Geometry	4	FREN 101, 102+, 201+, 202+, 203+
PHYS 110+, General Physics	4	FTV 101, 103, 107, 108, 201, 203, 241, 251, 261
PHYS 120+, General Physics	4	GER 101, 102+, 201+, 202+
PHYS 211+, General Physics	5	HIST 115
Units Required for the Majo	or: 48	ID 150, 201 (ID courses no longer offered 20-21)
other requirements for degree		LATN 101, 102+, 201+
General Education	21-27	MUS 101, 105, 111, 131, 132+, 151+, 153+, 185+, 231+, 232+, 251A+, 251B+,
Proficiency (See Proficiency Requirements)	*	253A+, 253B+
Electives	0-1	MUSC 102, 103, 107,108
Minimum Units Required for AS Degre		PHIL 105, 106, 108, 109
Other Requirements:		PHOT 107
• Minimum grade of "C" required on each course		PHTC 101, 150+, 201+
• Maximum of 12 pass/no-pass units accepted for the Degree		SPAN 101, 110SS, 102+, 201+, 202+, 210SS+, 220SS+
• Refer to catalog or online website for course listings and descrip	otions	THA 101, 102, 103, 110, 115A, 115B+, 116A+, 116B+, 117A+, 117B+,
AS General Education: At least 3 units from each of the following area		118A+, 118B+,
A, B, C, D1, D2, E, and F. Minimum Total GE Units Required: 21		Area D Language & Rationality: (min. 3 units from (1) and 3 units from (2))
Area A Natural Sciences: (min. 3 units)		
ANTH 101, 101L		1. Academic Composition: Courses fulfilling the written composition requirement
ASTR 101+, 101L+		shall be designed to include both expository and argumentative writing.
BIOL 100, 101+, 101L+, 102, 103, 104, 110+, 120+, 201+, 202+,	204+	ENGL 101+
CHEM 101+, 102+, 110+	2011,	2. Communication and Analytical Thinking
ELTE 101		BUS 113+
ERSC 101+		CA 103
GEOG 101+, 101L+, 102, 102L+		
GLOG 1011, 101L1, 102, 102L1		C18 101 111 141 157 161
		CIS 101, 111, 141, 157, 161
GEOL 101+, 101L+, 102+, 102L+		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units)		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units)
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) of
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) of CFE 102
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) of
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) of CFE 102 COMM 103, 107, 219+ DFST 105
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110		COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) or CFE 102 COMM 103, 107, 219+
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) o CFE 102 COMM 103, 107, 219+ DFST 105
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, POLS 101, 103, 200, 201+, 202+, 203+	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2, ** (** Courses must be taken from a discipline not previously selected) o CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118,	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2, ** (** Courses must be taken from a discipline not previously selected) of CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105 HE 101, 120, 201
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, POLS 101, 103, 200, 201+, 202+, 203+	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2, ** (** Courses must be taken from a discipline not previously selected) o CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105 HE 101, 120, 201 ID 100, 120 (ID courses no longer offered 20-21)
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, POLS 101, 103, 200, 201+, 202+, 203+ PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) of CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105 HE 101, 120, 201 ID 100, 120 (ID courses no longer offered 20-21) KINT 100
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, POLS 101, 103, 200, 201+, 202+, 203+ PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) or CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105 HE 101, 120, 201 ID 100, 120 (ID courses no longer offered 20-21) KINT 100 LIB 107, 110 MUSC 108
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, POLS 101, 103, 200, 201+, 202+, 203+ PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) or CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105 HE 101, 120, 201 ID 100, 120 (ID courses no longer offered 20-21) KINT 100 LIB 107, 110 MUSC 108 NF 100, 102, 103, 110, 150
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, POLS 101, 103, 200, 201+, 202+, 203+ PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2,** (** Courses must be taken from a discipline not previously selected) o CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105 HE 101, 120, 201 ID 100, 120 (ID courses no longer offered 20-21) KINT 100 LIB 107, 110 MUSC 108 NF 100, 102, 103, 110, 150 PSY 212
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, POLS 101, 103, 200, 201+, 202+, 203+ PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2, ** (** Courses must be taken from a discipline not previously selected) o CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105 HE 101, 120, 201 ID 100, 120 (ID courses no longer offered 20-21) KINT 100 LIB 107, 110 MUSC 108 NF 100, 102, 103, 110, 150 PSY 212 SOC 111, 116
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, POLS 101, 103, 200, 201+, 202+, 203+ PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2, ** (** Courses must be taken from a discipline not previously selected) o CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105 HE 101, 120, 201 ID 100, 120 (ID courses no longer offered 20-21) KINT 100 LIB 107, 110 MUSC 108 NF 100, 102, 103, 110, 150 PSY 212 SOC 111, 116 Any DA activity course(s) from DA102-205, except DA 107A-C, 108, 109, and 111.
GEOL 101+, 101L+, 102+, 102L+ PHYS 101, 102+, 110+, 120+, 211+ PSCI 101 Area B Social & Behavioral Sciences: (min. 3 units) AJ 201, 204, 206 ANTH 102, 103, 112, 140 BUS 101 CFE 102 COMM 217+ DFST 105 ECON 100, 101+, 102+, 110 GEOG 105, 106, 110 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, POLS 101, 103, 200, 201+, 202+, 203+ PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+	, 119	COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+ ENGL 102+, 103+ GEOG 201, 205 MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+ 150+, 160+, 220+, 230+, 250+ PHIL 101, 106, 110, 201+ Area E - Additional Breadth: (min. 3 units) From areas A**, B**, C**, D2, ** (** Courses must be taken from a discipline not previously selected) o CFE 102 COMM 103, 107, 219+ DFST 105 HD 100, 101, 102, 103, 105 HE 101, 120, 201 ID 100, 120 (ID courses no longer offered 20-21) KINT 100 LIB 107, 110 MUSC 108 NF 100, 102, 103, 110, 150 PSY 212 SOC 111, 116

AS - Electrical Engineering 21-22 Recommend d Program Sequence

Area F Diversity Studies: (min. 3 units)	
ANTH 102, 112	FTV 201, 203
BUS 212	HE 201+
CFE 116+	HIST 110, 111, 113
COMM 114, 217+, 219+	MUSC 107, 108
DFST 105, 106	POLS 202+
ECON 110	SOC 105, 110, 116
ENGL 250+, 253+, 256+, 257+, 259+	THA 239

Proficiency Requirements

Proficiency requirements exist for the areas of Writing and Math. Students must demonstrate competency in each of these areas in order to be eligible for the associate degree.

A. WRITING

Completion of ENGL 101 with a minimum grade of "C." NOTE: ENGL 101 may be taken with the Pass/No Pass option; however, students are cautioned that other colleges and universities may not accept ENGL 101 courses taken on a Pass/No Pass basis, especially for satisfaction of general education and major requirements. Students planning to transfer should check college catalogs for applicable policies.

B. MATHEMATICS

Completion of MATH 102 or higher or CIS 121 with a satisfactory grade or placement by AVC assessment into a math course higher than MATH 102.

*Fulfilling proficiencies will not require any extra units if the competencies are demonstrated by including the required courses in the general education, or major requirements, or by satisfying the reading proficiency through AVC's policy.

Electives: The remaining number of units (up to a minimum of 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective. Any course with a designation of "AVC" at the end of a course description can be used as an elective.

Grade Point Average Requirement: An overall grade point average of 2.0 ("C" average) is required.

Double Counting: While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement.

• Residency: Minimum of 12 units completed at AVC with a minimum of 9 of those units completed from the certificate/major. (credit earned by examination will not be included in these 12 units) Title 5, Section 54000:http://ccr.oal.ca.gov

Requirements for Two or More Associate Degrees: To be eligible for multiple associate degrees, a student must have completed all of the graduation requirements for each degree.

Transfer: Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center or the Counseling Center and consult with a counselor as soon as possible to develop a plan of studies. Additional preparation for the major information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site: www.assist.org

The "Catalog Rights Policy" sets forth the criteria used for determining the degree requirements under which students may graduate. Please refer to the AVC Catalog for a detailed description or consult with a counselor.

Advisory: A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program. Prerequisite: A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. Prerequisites are enforced and a student will be blocked from enrolling or involuntarily dropped after enrolling if the student does not meet the stated prerequisite. A student must complete a course prerequisite with a satisfactory grade of A, B, C or P (pass).

Corequisite: A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated co-requisite.