

## Transfer Guide for Southern Illinois University – Carbondale Electronic Systems Technologies Program

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## About the Program:

The Electronic Systems Technologies program prepares students for careers in many industries requiring applied electronics skills. The program offers areas of interest in Automation & Control, Biomedical Equipment and Networking & Telecommunications, though graduates find employment in many other industries as technologists and engineers. The Electronics Management Specialization is available off-campus at select military bases for those with experience wishing to pursue management goals.

Created with the working adult in mind, classes are held on Saturday and Sunday every other weekend with one online weekend per course. The 48 hour major is offered in 4 semesters, 12 hours each, over 16 months at various locations. No main campus (Carbondale, IL) attendance required.

## Admission Requirements:

- Minimum GPA 2.5/4.0
- AAS in related field to apply for Capstone program
- Prerequisite coursework: ISAT 209, IST 216, IST 224
- UCC coursework (prerequisites for EST courses): English 101, Math 108, Speech 101

The following are the SIUC requirements/courses and their CLC equivalents. An Associate in Arts and most Associate in Science degrees from the College of Lake County will fulfill the University Core Curriculum requirements required for general graduation purposes at SIUC. Students who have earned an Associate in Applied Science degree related to the Electronics field may apply for the Capstone Option. Detailed requirements for this special option can be found in the current SIUC Catalog.

This transfer guide is designed to assist students with their academic planning. Every effort is made to maintain accurate information; however, this information is subject to frequent change. Students should contact the member institution to keep informed of changes, as final responsibility for verifying information rests with the student.



SIUC - University Core Curriculum (UCC) Courses	Credit Hours	CLC Equivalents
Foundation Skills		
ENGL 101- English Composition I (minimum grade of "C" required)	3	ENG 121
ENGL 102- English Composition II (minimum grade of "C" required)	3	ENG 122, 126
CMST 101- Introduction to Oral Communication	3	CMM 111, 121, 122
MATH 101 or higher (except 105, 107,120, 300I)	3	MATH 121, <b>122</b> , 123, 127, 140, 141, 144, 145, 146, 221, 222, 224, 225, 227, 244, 246 (MATH 122 required for EST, minimum grade of "C" required)
Disciplinary Studies		
Fine Arts (select 1)	3	
AD 100A/B, 101; AD 101; ARC/ID 231, 232; ARC 314I; CP 101/101H, 354I; ENGL 119/199H, 206A, 307I; FL 200A/B/C; HIST 201; MUS 103; MUS 106; RTD 362I; THEA 101	3	ARC 228; ART 105, 121, 122, 130, 131, 132, 221, 261; DNC 240; ENG 222; HUM 123, 126, 140, 222; MUS 107, 124, 224; THE 121, 123
Human Health (select 1)	2	
BIOL 202; HED 101; HND 101; KIN 101; PHSL 201; REHB 205/205H		BIO 149, 244; HCM 175; HUS 121; HWP 240, 260
Humanities (select 2)	6	
AD 207A/B/C; CHIN 120A/B, 201A/B, 370; CLAS 130A/B, 133A/B, 201A/B, 202A/B, 230, 270, 271, 315I; CP/HIST 358I; EA 102, 300; ENGL 121/121H, 204, 209; FL 120A/B, 220A/B, 370; GEOL 329I/H; GER 201A/B; HIST 101A/B, 207; JPN 131A/B, 201A/B, 370; JRNL/PHIL 334, 339; LING 200; MATH 300I; PHIL 102, 103A/B, 104, 105, 303I, 307I, 309I; SPAN 201A/B	3	ARA 222, 240; 241; CHI 221, 222; ENG 129, 223, 225, 226, 227, 228, 229, 241, 243, 244, 246, 249;
	3	FRN 221, 222, 223, 224; GER 221, 222, 223, 224; HST 127, 142; HUM 101, 102, 121, 122, 127, 128, 129, 141; ITL 222, 223, 224; JPN 221, 222, 223, 224; PHI 121, 122, 123, 125, 128; RUS 222; SGN 121, 122; SPA 221, 222, 223, 224
Science (select one from each category)	6	
<b>Physical</b> : CHEM 106, 140A, 200/201, 200H/201; GEOG 104, 303I, 310I; GEOL 111+112, 121+124, 122+123, 128+129; PHYS 101, 103, 203/253A, 203/253B, 205/255A, 205/255B, 305/355	3	CHM 120, 121, 140, 142, 161, 235; ESC 120, 121, 122, 123, 127, 128, 129, 140, 141, 224; GEG 120, 121; PHS 170; PHY 120, 121, 122, 123, 124
<b>Biological/Life</b> : ANTH 240A; PLB/ZOOL 115, 117, 301I; PHSL 201+208; (sub: BIOL 21, 212, 213; MICR 201; PLB 200; ZOOL 118, 220)	3	ANT 222; BIO 120, 123, 141, 161, 162, 221, 222, 225, 244, 246



Social Science (select 2 - no more than one in any given discipline)	6	
ABE/AGRI/LAC 300I; ANTH 104, 205; CI 227; ECON 113, *240, 241, 302I; EDUC 214; FIN 200; FOR 125; GEOG 100, 103, 300I; HIS 110, 112, 205A/B, 301; JRNL 306I, JRNL/POLS 314I; MCMA 200; POLS 114, 207, 213, 250, 332I, 372I; PSYC 102/102H; SOC 108, 306I; WGSS 286; ZOOL 312I	3	ANT 121, 221, 224, 228; ECO 110, 221, *222, 225; EDU 225; GEG 122, 123; GXS 121; HST 121, 122, 126, 128, 221, 222, 223, 245, 246; LAT 121; PSC 121, 122, 221, 222; PSY 121, 220, 222, 225, 226; SOC 121, 222
	3	
Integrative Studies		
Multicultural	3	
AD/AFR 227, AD 267, 307I, 317I; AFR 215, 303I, 325; ANTH 202, 204, 298; AVM 298; CCJ 203; CMST 201, 301I; DH 398, 417; EDUC 211; ENGL 205, 212, 225, 304I; FL 298, 301I; FR 200; HIST 202, 300, 368; KIN 200; LING 201, 298, 320I; MCMA 204; MUS 203; PHIL 210, 211, 308i; POLS 215, 352I; PSYC 223, 233; SOC 215, 223, 298, 304I; WGSS 201, 298, 301I	3	ASI 121; CMM 124, 127; EDU 224; ENG 128, 129, 229, 246, 247, 263, 264; GXS 229; HST 129, 240, 241; HUM 221, 226; MUS 140; PHI 126, 129, 221; SOC 224, 225, 229
SIUC - EST Prerequisite Requirement Courses		CLC Equivalents
IST 209 – Introduction to Programming	3	CIT 136 – Prog Concepts Using Java CIT 141 – Programming in C++
IST 224 – Network Fundamentals	3	CIT 150 – Intro Local Area Network CIT 151 – LAN Administration