

## **A Major in Computer Science with a Concentration in Electronic Technology**

Electronic technology is a field emphasizing the application of electrical and electronic techniques in existing devices. The concentration consists of a sequence of courses which must be approved, in writing, by your CIS department advisor. Once you have selected this sequence of courses, your CIS advisor will review them, possibly suggest changes, and then finally approve them. The following is a list of possible courses for your concentration in Electronic Technology. Note that these courses are not necessarily to be taken in the order in which they appear on the list. Also note that you may consider courses for your concentration sequence which are not listed below (subject to advisor approval).

*CIS Core Program:* All CIS majors must complete the CIS core program. See the CSU Undergraduate Bulletin for details.

### *Recommended Electives in Computer Science (12 hours or more):*

CIS 430	(4)	Database Concepts	(CIS 265)
CIS 454	(4)	Data Communications & Computer Networks	(CIS 345)
CIS 457	(3)	Computer Graphics	(CIS 265)
CIS 465	(3)	Multimedia	(CIS 265)
CIS 424	(4)	Comparative Programming Languages	(CIS 265)
CIS 408	(4)	Internet Programming	(CIS 265)
CIS 433	(4)	Systems Analysis	(CIS 430)
CIS 490	(3)	Foundation Of Computing	(CIS 335,MTH 182,MTH 220)

### *Required Courses for the Electronic Technology Concentration*

EET 315	(3)	Microprocessor & Digital System Design	(Junior standing / permission)
EET 316	(1)	Lab for EET 315	Associate-Degree-Level Microprocessor Course And Digital Logic Course
EET 320	(3)	Embedded Microprocessor Systems	
EET 321	(1)	Lab for EET 320 (must be taken with EET 320)	(EET 315, EET 316)
EET 330	(3)	Advanced Circuit Analysis	(Junior Standing, MTH 284)

### *Plus at least 4 semester hours from:*

EET 415	(3)	Electronic Circuits, Signals & Systems	
EET 416	(1)	Lab for EET 415 (must be taken with EET 415)	(EET 315, EET 330)
EET 450	(3)	Digital Signal Processing	
EET 451	(1)	Lab for EET 450 (must be taken with EET 450)	(EET 330)
EET 470	(3)	Machine Vision & Image Processing	(Permission of instructor)
GET 310	(3)	Computer System Technology	(EET 315, 316)

Note: The Associate Degree level prerequisites for some EET courses are NOT required for CIS majors!