INFORMATION SYSTEMS TECHNOLOGY (B.S.)
College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207, 407-823-4748; Fax: 407-823-4746
http://www.ent.ucf.edu
Coordinator: Dr. Bahman Motlagh, E-mail: bmotlagh@mail.ucf.edu

Admission Requirements
Students should complete 33 credit hours of lower level technical courses at a community college. Technical courses will be accepted in the following areas: networking, programming, information technology, computer science, and computer engineering and technology or closely related disciplines.

Degree Requirements
- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36 hrs)
A. Communication Foundations — 9 hrs
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1016
B. Cultural and Historical Foundations — 9 hrs
C. Mathematical Foundations — 6 hrs
   1. Select MAC 1105
   2. Select STA 2023
D. Social Foundations — 6 hrs
E. Science Foundations — 6 hrs

2. Lower Level Required Courses (33 hrs)
MAD 2104	Foundations of Discrete Math	3 hrs
	Lower level technical courses taken at Community College	30 hrs

3. Prerequisite Courses (14 hrs)
(C (2.0) or better grade required in all courses)
MAC 1105	College Algebra and	GEP
MAC 1114	College Trigonometry	3 hrs
EET 3085C	Electricity & Electronics	4 hrs
or EET 3086	Principles of Electrical Circuits	
CET 3323C	Digital Technology	4 hrs
CET 2364	Systems Applications in C	3 hrs

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

4. Required Technical Courses (27 hrs)
(C (2.0) or better grade required in all courses)
CET 3529	Linux/Unix Sys Admin and Applications	3 hrs
CET 3010	Intro to Info Technology	3 hrs
CET 4427	Applied Database I	3 hrs
CET 3383	Applied Systems Analysis I	3 hrs
CET 4505	Applied Operating Systems I	3 hrs
CET 3752	Intro to Telephony	3 hrs
CET 4483	Intro to Local Area Network	3 hrs
CET 4333	Computer Organization & Design	3 hrs
CET 4748	Wide Area Networks I	3 hrs

5. IST Support Courses (6 hrs)
ENC 3241	Writing For Technical professional	3 hrs
ETI 4448	Applied Proj Mgmt	3 hrs
STA 2023	Statistical Methods	GEP

6. Technical Electives (12 hrs)
(C (2.0) or better grade required in all courses)
Choose four from the following:
CET 3198C	Digital Systems	3 hrs
CET 4138C	Digital Programmable Devices	3 hrs
CET 4931	Current Topics in Technology	3 hrs
MAP 3401	Problem Analysis	3 hrs
CET 4523	Applied Systems Analysis II	3 hrs
CET 4429	Applied Database II	3 hrs
CET 4583	Web Base Systems I	3 hrs
CET 4584	Web Base Systems II	3 hrs
CET 4663	Computer &Networks Security	3 hrs
STA 5937	Data Mining I	3 hrs
CET 4668	Practice of Information Security	3 hrs
CET 4882	Network Defense Strategies	3 hrs
CET 4884	Security Meth & Pract	3 hrs
CET 4885	Investigative Digital Technology	3 hrs
CET 4889	Sec Sensor & Biomet	3 hrs

ETG 4950C	Senior Design Project	3 hrs
ISM 3011C	Essentials of Management Information Systems	3 hrs
ISM 4153	Enterprise Information Systems	3 hrs
ISM 4431	Business Process Analysis	3 hrs
ISM 4154	Enterprise Application Development	3 hrs
ISM 5219	Business Intelligence Systems	3 hrs

7. Departmental Exit Requirements   none

8. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

9. Approved Technical Electives
Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

10. University Minimum Graduation Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: **128 hrs**

Related Programs: none
Related Minors: Interdisciplinary Informatics Technology, Secure Computing and Networks
Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: *http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm*

Tentative Course Schedule
The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year

Fall	13 hrs	Spring	16 hrs
ENC 1101 Composition I	3	ENC 1102 Composition II	3
MAC 1105 College Algebra	3	MAC 1114 Trigonometry	3
Cultural/Historical Foundation	3	Biological science	3
Lower level elective (CC)	4	Social Foundation	3
		Lower level elective (CC)	4

Sophomore Year

Fall	15 hrs	Spring	16 hrs
SPC 1016 Fund of Technical Pres	3	Cultural/Historical Foundation	3
PSC 1121 Physical Science	3	CET 2364 Syst Applications in C	3
Cultural/Historical Foundation	3	Social Foundation	3
Lower level elective (CC)	3	Lower level elective (CC)	3
Lower level elective (CC)	3	Lower level elective (CC)	4

Summer	6 hrs
Lower level elective (CC)	3
Lower level elective (CC)	3

Junior Year

Fall	16 hrs	Spring	13 hrs
EET 3085C Elect & Electronics	4	CET 3529 Linux/Unix Sys Admin	3
CET 3010 Intro to Info Tech	3	Upper level elective	3
STA 2023 Statistical Methods	3	CET 3323C Digital Tech	4
Lower level elective (CC)	3	CET 4483 Intro to Local Area Net	3
Lower level elective (CC)	3		

Summer	9 hrs
CET 4333 Comp Org &Design	3
ENC 3241 Tech Rept Writing	3
ETI 4448 Applied Proj Mgmt	3

Senior Year

Fall	12 hrs	Spring	12 hrs
CET 4505 Appl Oper Sys I	3	CET 3383 Applied Sys Analysis I	3
CET 3752 Intro toTelephony	3	Upper level elective	3
CET 4748 Wide Area Networks I	3	Upper level elective	3
CET 4427 Appl Database I	3	Upper level elective	3