Information Technology Program

Catalog 2015/2016 – 120 Hours

NOTE: This flow chart is provided as a guide; the catalog is the only definitive source of requirements.

For admission completion of PSY 2012, STA 2023, ECO 2013, CGS 1540, COP 2930, MAC 1147, PHY 2020, MAD 2104, and COP 2931 all with grade of C or better. Admission may be made based on academic performance in the five key courses as highlighted above. The remaining courses may be taken as an IT major.

Mathematics – 10 hours

STA 2023 (3 hrs) Intro to Statistics
MAC 1147 (4 hrs) PreCalc Alg/Trig
MAD 2104 (3 hrs) Discrete Math

Science – 6 hours

FKL Natural Sciences Elective (3 hrs)
PHY 2020 Conceptual Physics (3 hrs)

EGN 3000/3000L (1 hr) Foundations of Engineering
CGS 1540 (3 hrs) Intro to Databases
COP 2930 (3 hrs) Programming Concepts for IT

English – 6 Hours

ENC 1101 (3 hrs) Composition I
ENC 1102 (3 hrs) Composition II
CGS 3303 (3 hrs) IT Concepts
CDA 3101 (3 hrs) Computer Org for IT

Science – 6 hours

FKL Natural Sciences Elective (3 hrs)

PHY 2020 Conceptual Physics (3 hrs)

CGS 1540 (3 hrs) Intro to Databases
CGS 3303 (3 hrs) IT Concepts
CDA 3101 (3 hrs) Computer Org for IT

Breadth courses – 9 hours

PSY 2012 (3 hrs) Intro to Psych Sci (FKL Soc/Beh)
ECO 2013 (3 hrs) Macroeconomics (FKL Soc/Beh)

FKL Humanities – 6 hrs
FKL Fine Arts – 3 hrs
FKL Human Cultural Diversity and GC – 3 hrs
Foreign Lang – 8 hrs (or 2 years high school)

General Electives

Departmental IT Approved Electives (18 hrs)

COP 4610 (3 hrs) Operating Systems for IT

CIS 4935 (5 hrs) IT Senior Project (FKL capstone)
CEN 3722 (3 hrs) Human Comp Interfaces for IT
EEL 4854 (3 hrs) Data Struc and Algorithms for IT
CNT 4104/4104L (4 hrs) Comp Info Networks for IT w/ lab
COP 3515 (3 hrs) Program Design for IT

Senior standing and IT majors only

CEN 4031 (3 hrs) Software Engineering for IT
COP 4930 (1 hrs) IT Seminar

Exit requirements

CIS 4253 IT Ethics (3 hrs) – Prereq is Junior or Senior standing and IT majors only
ENC 3246 Communications for Engineers (3 hrs)

Industry internship

An industry internship is recommended for the third summer. Credit can be earned as CIS 4940 Industry Internship. See the Department Advisor for more information.

Notes

1) MAC 1147 may require MAC 1105 College Algebra as a pre-req. Consult with the Department advisor.
2) Either COP 2510 or COP 2930 is acceptable as the pre-req for COP 3515, CNT 4104/4104L, and COP 2931 (Objected Oriented Programming for IT).
3) Approved General Electives come from a Department list and include both Departmental and non-Departmental courses.

Note: Department website lists IT Approved electives.

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