Information Technology Program
Catalog 2017/2018 – 120 Hours

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

For admission completion of MAD 2104, CGS 1540, COP 2512, and COP 2513 with a minimum GPA of 2.0 (all grades "C" or better, "C-" is not acceptable). No more than two courses in the Department pre-admission.

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

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

Science – 6 hours

EGN 3000/3000L (1 hr) Foundations of Engineering
COP 2512 (3 hrs) Programming Fund for IT
CGS 1540 (3 hrs) Intro to Databases
CIS 3213 (3 hrs) Foundations of Cyber Security
CIS 3433 (3 hrs) Sys Architecture and Integration for IT

English – 6 Hours

ENC 1101 (3 hrs) Composition I
ENC 1102 (3 hrs) Composition II

FKL exit requirements
CIS 4935 (3 hrs – FKL capstone) IT Senior Project (Senior standing in Department)
ENC 3246 (3 hrs) Communications for Engineers

Industry internship
An industry internship is recommended for the third summer. Credit can be earned as CIS 4947 IT Practicum (3 hrs - IT Departmental elective). 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) Allowed substitutions for INR 3033 include EGS 3720 Globalization and Technology and EGN 3615 Engineering Economics with Global and Social Implications.
3) IT Departmental Electives have varying pre-reqs – see the Department website for more information.
4) Approved General Electives are listed on the Department website and include courses in business and other areas of relevance to IT.

General Electives (6 hrs)

General Education requirements
FKL Humanities – 6 hrs (one course with HHCP)
FKL Fine Arts – 3 hrs
FKL Human Cultural Diversity and GC – 3 hrs
Foreign Lang – 8 hrs (or 2 years high school)

Science – 6 hours

PSY 2012 (3 hrs) Intro to Psych Sci (FKL Soc/Beh)
ECO 2013 (3 hrs) Macroeconomics (FKL Soc/Beh)
INR 3033 (3 hrs) International Political Cultures

IT Departmental Electives (18 hrs)

CIS 4538 (3 hrs) Data Struc and Algorithms for IT
CEN 3722 (3 hrs) Human Comp Interfaces for IT
CGS 3303 (3 hrs) IT Concepts
CIS 4253 (3 hrs) IT Ethics (Senior standing in Department)

Breadth courses – 9 hours

PSY 2012 (3 hrs) Intro to Psych Sci (FKL Soc/Beh)
ECO 2013 (3 hrs) Macroeconomics (FKL Soc/Beh)
INR 3033 (3 hrs) International Political Cultures

English – 6 Hours

ENC 1101 (3 hrs) Composition I
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