Information Technology Program
Catalog 2018/2019 – 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 3.0 (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)
- Natural Science Elective (3 hrs)
- COP 2512 (3 hrs) Programming Fund for IT
- COP 2513 (3 hrs) Obj Oriented Program 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)
- INR 3033 (3 hrs) International Political Cultures

Additional requirements
- Gen Ed Humanities (3 hrs)
- Gen Ed Human and Cultural Diversity in GC (3 hrs)
- Gen Ed Information and Data Literacy (3 hrs)
- ENC 3246 Communication for Engineers (3 hrs)
- Foreign Lang (8 hrs or 2 years high school)

Industry internship
An industry internship is recommended for the third summer. Credit can be earned as CIS 4947 IT Practicum (3 hrs) as an approved 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.

IT Departmental Electives (18 hrs)

General Electives (6 hrs)

English – 6 Hours
- ENC 1101 (3 hrs) Composition I
- ENC 1102 (3 hrs) Composition II

EGN 3000/3000L (3 hrs) Foundations of Engineering

CGS 1540 (3 hrs) Intro to Databases

COP 4703 (3 hrs) Adv Database Systems for IT

CGS 3303 (3 hrs) IT Concepts

CIS 3213 (3 hrs) Foundations of Cyber Security

CIS 3433 (3 hrs) Sys Architecture and Integration for IT

CIS 4083 (3 hrs) Cloud Computing for IT

CIS 4253 (3 hrs) IT Ethics (Senior standing)

CIS 4935 (4 hrs) IT Senior Project (Senior standing)

CIS 4083 (3 hrs) Cloud Computing for IT

CIS 4253 (3 hrs) IT Ethics (Senior standing)

CIS 4935 (4 hrs) IT Senior Project (Senior standing)

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