Information Technology Program
Catalog 2019/2020 – 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)

EGN 3000/3000L (3 hrs) Foundations of Engineering
COP 2512 (3 hrs) Programming Fund for IT
CGS 1540 (3 hrs) Intro to Databases
COP 2513 (3 hrs) Obj Oriented Program for IT
CIS 3213 (3 hrs) Foundations of Cyber Security
CIS 3515 (3 hrs) Adv Program Design for IT

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

Science – 6 hours
EGN 3000/3000L (3 hrs) Foundations of Engineering
CGS 1540 (3 hrs) Intro to Databases
COP 2512 (3 hrs) Programming Fund for IT
CGS 3303 (3 hrs) IT Concepts

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 Industry Internship for IT (3 hrs – Approved IT Departmental elective). See Department Advisor for information.

IT Electives (18 hrs)

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)

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