

Information Technology Program

Catalog 2021/2022 – 120 Hours

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

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)
 English – 6 Hours

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 (3 hrs)
Conceptual Physics

Natural Science
Elective (3 hrs)

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

ENC 1101 (3 hrs)
Composition I

ENC 1102 (3 hrs)
Composition II

COP 2512 (3 hrs)
Programming
Fund for IT

CGS 1540 (3 hrs)

Industry certification

Students are prepared to earn CompTIA Network+ and Security+ certifications with some additional study needed.

Breadth courses – 9 hours

PSY 1012 (3 hrs)
Intro to
Psychological Sci

ECO 2013 (3 hrs)
Econ Principles
Macroeconomics

INR 3033 (3 hrs)
International
Political Cultures

COP 2513 (3 hrs)
Obj Oriented
Program for IT

CIS 3213 (3 hrs)
Foundations of
Cyber Security

CGS 3303 (3 hrs)
IT Concepts

COP 3515 (3 hrs)
Adv Program
Design for IT

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

CNT 4104/4104L
(4 hrs)
Comp Info
Networks for IT
w/ lab

COP 4538 (3 hrs)
Data Struc and
Algorithms for IT

CEN 3722 (3 hrs)
Human Comp
Interfaces for IT

CIS 4083 (3 hrs)
Cloud Computing
for IT

CNT 4603 (3 hrs)
Sys Admin and
Maintenance for
IT

COP 4703 (3 hrs)
Adv Database
Systems for IT

CGS 3853 (3 hrs)
Web Systems for
IT

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.

Notes

- 1) MAC 1147 may require MAC 1105 College Algebra as a prereq. 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. See department advisor for other possible substitutions.
- 3) Approved IT Electives have varying prereqs – see the Department website for more information.
- 4) The maximum number of credit hours for COP 4900 and CIS 4947 in any combination is 9 credit hours. No more than 3 hours of CIS 4947 in a single company.