COMPUTER & INFORMATION TECHNOLOGY
SCHOOL OF TECHNOLOGY
AT EASTERN ILLINOIS UNIVERSITY

The Computer and Information Technology (CIT) program prepares technical professionals for applications of computer and information technology. Those professionals typically work in an information technology (IT) or information systems (IS) department in organizations ranging from manufacturing, service, and healthcare to education and government.

MATHEMATICS & STATISTICS: 6-9 HRS
- MAT 1441G Calculus and Analytic Geometry I
- OR MAT 2120G Finite Mathematics
- BUS 2810 Business Statistics I
- OR MAT 2250G Elementary Statistics

PHYSICAL SCIENCES: 8 HRS
- PHY 1151G Principles of Physics I
- PHY 1152G Principles of Physics I Laboratory
- PHY 1161 Principles of Physics II
- PHY 1162 Principles of Physics II Laboratory

TECHNICAL: 36 HRS
- AET 1323 Computers for Applied Engineering and Technology
- AET 3163 Computer Programming in Technology (C++)
- CIT 4803 Operating System
- AET 2324 Electrical Control Systems
- CIT 2523 Data Communication Technology I
- AET 4163 Computer Database in Technology
- AET 4813 Advanced Digital Media
- CIT 4813 Front End and Mobile Website Development
- CIT 4823 Big Data and Cloud Computing
- CIT 4833 Intrusion Detection and Prevention
- AET 3073 Programmable Logic Controllers;
  OR AET 3103 Robots and Control Systems;
  OR AET 3203 Computer Numerical Control Programming
- CIT 4749 Capstone Project (3 hours, graduation requirement)

MANAGEMENT: 16 HRS
- ECN 2800G Economics of Social Issues;
  OR ECN 2801G Principles of Macroeconomics
- AET 3414 Selection and Management of Applied Engineering Projects
- OPD 4835 Supervision in Organizations;
  OR OPD 4820 Change in Organizations
- Six (6) hours from: OPD 4825 Ethical Behavior in Organizations; OPD 4865 Diversity in Organizations; OPD 4870 Coaching and Mentoring for Critical Thinking in the Workplace; OPD 4880 Productive Work Teams.

ELECTIVES: 21 HRS
- AET 3103 Robots and Control System
- AET 3203 Computer Numerical Control Programming
- AET 1363 Graphic Communication Technologies
- AET 2123 Digital Photography and Imaging
- AET 3343 Digital Media Technologies
- AET 4123 Advanced Digital Photography
- AET 4353 Multimedia Production Management
- AET 4813 Advanced Cross Media Technologies
- AET 4865 e-Books and e-Publishing Technologies
- AET 4863 Packaging Technologies
- AET 4953 Color Management Technologies
- AET 4333 Trends in Digital Media Technology
- AET 3063 3D Modeling
- AET 4970 Special Topics in Technology
- AET 3920 Independent Study
- AET 4275 Industrial Internship
- CIT 3153 Data Communication Technology II
- CIT 3303 Introduction to Gaming, Animation and Simulation
- CIT 3313 3D Modeling for Gaming, Animation and Simulation
- CIT 4753 Emerging Video Technologies

TOTAL MAJOR HOURS: 87-88 HRS