



BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Department of Computer Science and Industrial Technology

Application Areas

Students in the Bachelor of Science in Information Technology degree must have an Application Area. An Application Area is 13 hours of coursework (or 15-18 hours in some prior catalog years) which prepares a student to apply his or her information technology skills in a particular domain area. Although this pool of courses is essentially a **free elective pool**, students encouraged to choose from one of the following special application areas:

- Next-Wave Automotive Manufacturing: IT 111, IT 215, IT 331, IT 442, and IT 444. IT 236 should be added for an 18-hour application area.
- Next-Wave Energy: ET 213, ET 375, ET 376, ET 361, and ET 433. ET 365 should be added for an 18-hour application area. Note that students using this application area will need to substitute MATH 200 for MATH 165 and take PHYS 191/PLAB 193 as part of their Gen Ed science requirements.
- Computer Gaming: ART 151, ART 190, ART 290, CMPS 443, CMPS 455, CMPS 389 (must be taken as the student's Information Technology elective), and CMPS 441 (must be taken as the student's Theory Elective). ART 390 should be added for an 18-hour application area. Note that students using this application area will need to substitute MATH 200 for MATH 165 and MATH 380 for MATH 241, to satisfy prerequisites for CMPS 389, 443, and 455.
- Information Systems Business Survey: ACCT 200, FIN 381, OMIS 310, MRKT 303, MRKT 435, and ECON 201 or 202 (must be taken as one of student's Gen Ed social science courses).
- Business Technology: CMPS 204, CMPS 209, CMPS 234, MGMT 220, and MGMT 141. MGMT 240 should be added for an 18-hour application area.
- Computer Animation: ART 151 (must be taken as student's Gen Ed art requirement), ART 190, ART 290, ART 390, ART 393, and ART 493.
- Digital Design: ART 111 (must be taken as student's Gen Ed art requirement), ART 122, ART 151, ART 152, ART 161, ART 261. ART 361 should be added for an 18-hour application area.
- Healthcare Information Systems: NURS 214, NURS 304, HS 313, HS 340, and HS 435. HS 331 should be added for an 18-hour application area.