

# COMPUTER STUDIES

## COMPUTER SCIENCE

### JOINT ADMISSIONS TO OCC/NJIT

#### Associate in Science Degree<sup>1</sup>

Students planning to attend the New Jersey Institute of Technology (NJIT) may choose a program enabling them to transfer at full junior status. Students who choose this path not only have the convenience of attending OCC but do not need to take bridge courses at NJIT once transfer has been effected. Students complete a form at the OCC Admissions and Records Office that grants permission to forward waiver and grades to NJIT. This gives automatic admission to the program. Students must maintain a minimum of a 2.0 grade point average in Ocean County College course work for final acceptance in the NJIT program.

To ensure that the appropriate courses for transfer are taken, students should discuss course sequence with members of the Computer Studies Department faculty during their first semester.

Students who complete this OCC/NJIT program will receive the Associate in Science degree in general education with a computer science concentration from Ocean County College.

#### FIRST SEMESTER

- 3 s.h. Computer Programming I (CSIT 171)<sup>2</sup>
  - 3 s.h. Introduction to Computer Organization (CSIT 140)
  - 4 s.h. Calculus I (MATH 265)
  - 3 s.h. English I (ENGL 151)
  - 3 s.h. Macroeconomic Principles (ECON 151)
- 16 s.h.

#### SECOND SEMESTER

- 3 s.h. Computer Programming II (CSIT 172)<sup>3</sup>
  - 3 s.h. Computer Systems (CSIT 174)<sup>4</sup>
  - 4 s.h. Calculus II (MATH 266)
  - 3 s.h. English II (ENGL 152)
  - 3 s.h. Social Science Elective<sup>6</sup>
- 16 s.h.

#### THIRD SEMESTER

- 3 s.h. Data Structures and Algorithm Analysis (CSIT 271)<sup>5</sup>
  - 4 s.h. Calculus III (MATH 267)
  - 4 s.h. General Physics I (PHYS 271)
  - 3 s.h. Humanities Elective<sup>6</sup>
  - 2 s.h. Health Requirement
- 16 s.h.

#### FOURTH SEMESTER

- 3 s.h. UNIX (CSIT 144)
  - 3 s.h. Discrete Mathematics (MATH 270)
  - 4 s.h. General Physics II (PHYS 272)
  - 3 s.h. Humanities Elective<sup>7</sup>
  - 3 s.h. Principles of Management (BUSN 271)
- 16 s.h.

#### Total Credits 64

- <sup>1</sup>BA Computer Science (NJIT) does not require Physics III at NJIT
- <sup>2</sup>Fall semester day and evening sections; spring semester day sections only
- <sup>3</sup>Spring semester day and evening sections; fall semester day sections only
- <sup>4</sup>Spring semester day and evening sections
- <sup>5</sup>Fall semester day and evening sections
- <sup>6</sup>Select from approved list available in the Advising and Counseling Center
- <sup>7</sup>Suggest elective satisfying diversity requirement