COMPUTER SCIENCE
(A.S. Degree)
Curriculum Coordinator: Dr. Sharon Persinger

Computer Science Curriculum
60 Credits required for A.S. Degree
Core Requirements
  ■ ENG 10 Fundamentals of Composition & Rhetoric OR
  ■ ENG 11 Composition and Rhetoric I ................................................................. 3
  ■ CMS 11 Fundamentals of Interpersonal Communication .................................... 3
  ■ HIS 10 History of the Modern World OR
  ■ HIS 11 Introduction to the Modern World .......................................................... 3
  ■ MTH 31 Analytic Geometry & Calculus I ............................................................ 4
  ■ SCI* A two-semester sequence in a Laboratory science ........................................ 8
Total 21

Required Areas of Study**
  ■ ENG 12 Composition and Rhetoric II OR
  ■ ENG 14 Written Composition and Prose Fiction OR
  ■ ENG 15 Written Composition and Drama OR
  ■ ENG 16 Written Composition and Poetry ............................................................. 3
  ■ ART 11 Introduction to Art OR
  ■ MUS 11 Introduction to Music ............................................................................. 3
  ■ HIS or
  ■ SOC SCI Select from Anthropology, Economics,
    Geography, History, Philosophy, Political
    Science, Psychology, or Sociology ................................................................. 3
Total 9

Specialization Requirements
  ■ MTH 32 Analytic Geometry & Calculus II ........................................................... 5
  ■ MTH 33 Analytic Geometry & Calculus III ....................................................... 5
  ■ CSI 30 Discrete Mathematics I .......................................................................... 3
  ■ CSI 31 Introduction to Programming I ............................................................... 3
  ■ CSI 32 Introduction to Programming II .............................................................. 3
  ■ CSI 35 Discrete Mathematics II ......................................................................... 3
  ■ CSI 33 Data Structures OR
  ■ DAT 41 Assembly Language Programming ..................................................... 3
Total 25

Free Electives†
  ■ To complete the 60 credit requirement ............................................................... 5
Note: Students who are required to take MTH 30, a prerequisite for MTH 31, must use elective credits.
Note: At least two courses must be taken from a list designated as “Writing Intensive” as published each semester in the Registration Guide and Schedule of Classes.

*The laboratory science sequence may be chosen from BIO 11-12, CHM 11-22, PHY 11-12 or PHY 31-32. Students should consult the college to which they intend to transfer as to choosing an appropriate sequence. Students who plan to transfer to City College should take PHY 31-32 and are encouraged to take PHY 33, MTH 34, and MTH 35.

**Students should consult the requirements of the senior college of their choice.

†Students who plan to transfer to a senior college should consult the language requirements in “The Curricula and Programs” section of this catalog.

This program articulates with Lehman College’s B.S. in Computer Science program.