

**COMPUTER PROGRAMMING DEGREE**

**COMPUTER PROGRAMMING (CPRD) CONCENTRATION**

ASSOCIATE IN SCIENCE (A.S.) DEGREE

*Knight Campus, Warwick only*

The Computer Programming concentration prepares students to enter a modern programming environment. The program stresses problem definition and solution design using different programming languages in the development of applications.

**Important:** All students must obtain a grade of at least “C” in all computer course requirements and must maintain a 2.0 GPA .

**GENERAL EDUCATION REQUIREMENTS**

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> ENGL 1010* <b>OR</b> 2100*	Composition I <b>OR</b> Technical Writing	3
<input type="checkbox"/> Humanities, MATH/Science <b>OR</b> Social Science Elective	See pg. 17 for list of courses that meet this requirement	6
<input type="checkbox"/> MATH Elective*	Any three credits of math (1000 level or above)	3
<input type="checkbox"/> MATH/Science <b>OR</b> Social Science	See pg. 17 for list of courses that meet this requirement	3
<input type="checkbox"/> Social Science Elective	See pg. 17 for list of courses that meet this requirement	3
<input type="checkbox"/> SPCH Elective	Any SPCH course	3
<b>Total General Education Credits</b>		<b>21</b>

\* Placement test required

**TIPS:**

*Take a balance of general education and major requirements each semester.*

**DEGREE MAJOR REQUIREMENTS**

COURSE NO.	COURSE NAME	CREDITS
<input type="checkbox"/> COMI 1100	Introduction to Computers	3
<input type="checkbox"/> COMI 1150	Programming Concepts	3
<input type="checkbox"/> COMI 1420	Introduction to Spreadsheets	1
<input type="checkbox"/> COMI 1640	Introduction to Word Processing	1
<input type="checkbox"/> COMP 1200	Database Design and Management	3
<input type="checkbox"/> COMP 2430	Operating Systems	4
<input type="checkbox"/> COMI 1800 <b>OR</b> 1840	Computer Networking Software <b>OR</b> Windows Server	3
<input type="checkbox"/> COMP 1230***	Systems Analysis and Design	4
<input type="checkbox"/> Programming Languages **	Take 11 Credits from programming language courses; see course descriptions	11
<input type="checkbox"/> Electives	Take any 6 credits from COMI/COMP/CSCO, ETEK 1000 (see suggested electives below)	6
<input type="checkbox"/> ACCT, BUSN, LAWS Elective	Select three credits from Accounting, Business, Law Enforcement <b>OR</b> Legal Studies	3
<b>Total Major Requirements Credits</b>		<b>42</b>

**Total Credits** **63**

**Suggested electives for Database Administrator emphasis:**

- COMP 1210 Database Implementation and Administration
- COMI 2036 Introduction to Computer Ethics
- COMI 1260 Programming in Fourth Generation Languages
- COMI 2010 Scripting Languages

**OR** take any COMI/COMP/CSCO/ETEK 1000 to total 6 elective credits

\*\* Computer Studies Department recommends COMI 1150 as a prerequisite.

\*\*\* Take in final semester or with permission of instructor.