

Computer Science- Comprehensive

2017-2019

** This is a sample of the type of curriculum a new freshman would take to complete a degree in 4 years.*

<p>SEMESTER 1</p> <p>CSCI 201 Introduction to Programming-3 credits MATH 240 Calculus and Analytic Geometry I- 4 credits University Studies -3 credits University Studies -3 credits University Studies -3 credits</p> <p>Total - 16 Credits</p>	<p>SEMESTER 2</p> <p>CSCI 202 Object Oriented Programming- 3 credits MATH 241 Calculus and Analytic Geometry-4 credits University Studies -3 credits University Studies -3 credits University Studies -3 credits</p> <p>Total - 16 credits</p>
<p>SEMESTER 3</p> <p>CSCI 303 Algorithms and Data Structures- 4 credits CSCI 224 Assembly Language Programming- 4 credits University Studies -3 credits University Studies -3 credits</p> <p>Total - 14 credits</p>	<p>SEMESTER 4</p> <p>MATH 310 Intro to Abstract Mathematics-3 credits Advanced Programming Course CSCI 331, 327, or 356 -3 credits University Studies -3 credits University Studies -3 credits University Studies -3 credits</p> <p>Total - 15 credits</p>
<p>SEMESTER 5</p> <p>MATH 320 Discrete Structures- 4 credits CSCI 470 Net-Centric Computing- 4 credits University Studies -3 credits University Studies -3 credits University Studies -3 credits</p> <p>Total - 14 credits</p>	<p>SEMESTER 6</p> <p>CSCI 340 Professional Practice- 4 credits Computational Theory Course (MATH 421, 425, or 475)- 4 credits Advanced Programming Course (CSCI 331, 327, or 356) -3 credits University Studies -3 credits</p> <p>Total - 14 credits</p>
<p>SEMESTER 7</p> <p>CSCI 499 Group Capstone Project -3 credits CSCI 451 Operating Systems-4 credits University Studies -3 credits University Studies -3 credits Elective- 3 credits</p> <p>Total - 16 credits</p>	<p>SEMESTER 8</p> <p>CSCI 461 Computer Architecture and Organization-4 credits MATH 437 Cryptography -3 credits Elective-3 credits Elective-3 credits Elective-3 credits</p> <p>Total - 16 credits</p>