

**Bachelor of Science in Computer Science  
DNIMAS Track  
BS Computer Science: Track DNIMAS;  
BS.CSC.T.DNIMAS  
Catalog Year 2017**

**This Curriculum Guide is official but only suggests a semester-sequential plan. Courses may be taken in any order as long as the prerequisites and other requirements are met.**

| Course Number | Substitute / Course Choice | √ | First Academic Year                     |         |              |
|---------------|----------------------------|---|---|---------|--------------|
|               |                            |   | Course                                  | Credits | Prerequisite |
| APS 110       |                            |   | Applied Science Seminar                 | 0       |              |
| SEM 101       |                            |   | Spartan Seminar I                       | 1       |              |
| CSC 101       |                            |   | Introduction to the Comp Sci Profession | 1       |              |
| CSC 170A/170L |                            |   | Computer Programming I and Lab          | 4       |              |
| MTH 184H      |                            |   | Calculus I                              | 4       |              |
| PHY 160A/160L |                            |   | University Physics I and Lab            | 5       |              |
| SEM 102       |                            |   | Spartan Seminar II                      | 1       | SEM 101      |
| APS 111       |                            |   | Applied Science Seminar                 | 0       |              |
| CSC 260/260L  |                            |   | Computer Programming II and Lab         | 4       | CSC 170A     |
| MTH 251H      |                            |   | Calculus II                             | 4       | MTH 184H     |
| →             |                            |   | Social Science Elective <sup>1</sup>    | 3       |              |
| PHY 161A/161L |                            |   | University Physics II and Lab           | 5       |              |

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| Course Number | Substitute / Course Choice | √ | Second Academic Year             |         |              |
|---------------|----------------------------|---|----------------------------------|---------|--------------|
|               |                            |   | Course                           | Credits | Prerequisite |
| SEM 201       |                            |   | Spartan Seminar III              | 1       | SEM 102      |
| APS 210       |                            |   | Applied Science Seminar          | 0       |              |
| CSC 268       |                            |   | Computer Organization            | 3       | CSC 170      |
| MTH 252H      |                            |   | Calculus III                     | 4       | MTH 251H     |
| ENG 101H      |                            |   | Communications Skills I          | 3       |              |
| CHM 221/221L  |                            |   | General Chemistry I and Lab      | 4       |              |
| APS 211       |                            |   | Applied Science Seminar          | 0       |              |
| CSC 295       |                            |   | Java Application Programming     | 3       | CSC 260      |
| MTH 371       |                            |   | Discrete Mathematical Structures | 4       | MTH 184      |
| ENG 102H      |                            |   | Communication Skills II          | 3       | ENG 101H     |
| CHM 222/222L  |                            |   | General Chemistry II and Lab     | 4       | CHM 221      |

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<sup>1</sup> HIS 101; HIS 103; BUS 175; ECN 200; SOC 101

| Course Number | Substitute / Course Choice | √ | Third Academic Year             |         |              |
|---------------|----------------------------|---|---------------------------------|---------|--------------|
|               |                            |   | Course                          | Credits | Prerequisite |
| APS 310       |                            |   | Applied Science Seminar         | 0       |              |
| CSC 292       |                            |   | UNIX and C Programming          | 3       | CSC 260      |
| CSC 361       |                            |   | Survey of Programming Languages | 3       | CSC 260      |
| MTH 351       |                            |   | Probability and Statistics I    | 3       | MTH 251      |
| →             |                            |   | Free Elective                   | 2       |              |
| SCM 285H      |                            |   | Principles of Speech            | 3       | ENG 102      |
| APS 311       |                            |   | Applied Science Seminar         | 0       |              |
| CSC 372       |                            |   | Data Structures                 | 3       | CSC 260      |
| CSC 380       |                            |   | Software Engineering            | 3       | CSC 260      |
| →             |                            |   | Foreign Language Elective       | 3       |              |
| ENG 303       |                            |   | Technical Writing               | 3       | ENG 102      |
| HED 100       |                            |   | Personal and Community Health   | 2       |              |
| PED 100       |                            |   | Fundamental of Fitness for Life | 1       |              |

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| Course Number | Substitute / Course Choice | √ | Fourth Academic Year  |         |              |
|---------------|----------------------------|---|---|---------|--------------|
|               |                            |   | Course  | Credits | Prerequisite |
| APS 410       |                            |   | Applied Science Seminar                                     | 0       |              |
| CSC 430       |                            |   | Data Communication  | 3       | CSC 372      |
| CSC 464       |                            |   | Operating Systems   | 3       | CSC 372      |
| CSC 498       |                            |   | Senior Seminar I  | 1       |              |
| →             |                            |   | Computer Science Elective 300 level or above                | 3       |              |
| →             |                            |   | Computer Science or Mathematics Elective 300 level or above | 3       |              |
| →             |                            |   | Humanities Cultural Elective <sup>2</sup>                   | 3       |              |
| APS 411       |                            |   | Applied Science Seminar                                     | 0       |              |
| CSC 468       |                            |   | Computer Architecture                                       | 3       | CSC 268      |
| CSC 499       |                            |   | Senior Seminar II   | 2       | CSC 498      |
| →             |                            |   | Computer Science Electives 300 level or above               | 3       |              |
| →             |                            |   | Computer Science or Mathematics Elective 300 level or above | 3       |              |
| →             |                            |   | Social Science Cultural Elective <sup>3</sup>               | 3       |              |

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2 ENG 383; MUS 234;

3 HIS 335; HIS 336; HIS 371; HRP 320

**120 Credits Total**