

**Bachelor of Science in Computer Science
 DNIMAS Computer Engineering Track
 BS Computer Science: Track CET DNIMAS
 BS.CSC.CET.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 | 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 | |
| APS 111 | | | Applied Science Seminar | 0 | |
| SEM 102 | | | Spartan Seminar | 1 | |
| CSC 260/260L | | | Computer Programming II and Lab | 4 | CSC 170A |
| MTH 251H | | | Calculus II | 4 | MTH 184H |
| → | | | Social Science Elective ¹ | 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 |
| ENG 299 | | | Examin. of Writing Competency | 0 | |
| SEM 201 | | | Spartan Seminar | 1 | |
| 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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¹ 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 |
| EEN 201/201L | | | Elect Network Theory and Lab | 4 | |
| MTH 351 | | | Probability and Statistics I | 3 | MTH 251 |
| SCM 285H | | | Principles of Speech | 3 | ENG 102 |
| APS 311 | | | Applied Science Seminar | 0 | |
| EEN 203 | | | Electronic Principles | 3 | |
| CSC 372 | | | Data Structures | 3 | CSC 260 |
| CSC 380 | | | Software Engineering | 3 | CSC 260 |
| MTH 372 | | | Differential Equations | 3 | MTH 251 |
| 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 | Credit | 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 | |
| EEN 331/331L | | | Microprocessors and Laboratory | 4 | |
| → | | | Humanities Cultural Elective ² | 3 | |
| ENG 303 | | | Technical Writing | 3 | ENG 102 |
| APS 411 | | | Applied Science Seminar | 0 | |
| EEN 231 | | | Digital Electronics Logic Design | 3 | EEN 201 |
| CSC 468 | | | Computer Architecture | 3 | CSC 268 |
| CSC 499 | | | Senior Seminar II | 2 | CSC 498 |
| → | | | Foreign Language Elective | 3 | |
| → | | | Social Science Cultural Elective ³ | 3 | |
| → | | | Computer Science Elective 300 level or above | 3 | |

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2 ENG 383; MUS 234;

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

126 Credits Total