



CURRICULUM GUIDE WORKSHEET

Computer Science – Data Science

Bachelor of Science - 42 hrs

Name: _____

Catalogue Year: _____

Minor: _____

Freshman (Fall)

| <input checked="" type="checkbox"/> Course Prefix | Course Name | Credits | Notes |
|---|--|-----------|-------|
| <input type="checkbox"/> CSC 115 | Introduction to Computer Science | 3 | _____ |
| <input type="checkbox"/> MAT 211 | Calculus and Analytic Geometry I | 4 | _____ |
| <input type="checkbox"/> CHR 111 | Old Testament Survey | 3 | _____ |
| <input type="checkbox"/> ENG 111 | Written Composition I | 3 | _____ |
| <input type="checkbox"/> COM 112 or 235 | Public or Interpersonal Communications | 3 | _____ |
| | | 16 | |

Review Registration on Student Planning / Self-Service

Freshman (Spring)

| <input checked="" type="checkbox"/> Course Prefix | Course Name | Credits | Notes |
|--|------------------------------------|-----------|-------|
| <input type="checkbox"/> CSC 125 | Programming in Python | 3 | _____ |
| <input type="checkbox"/> MAT 205 or 208 | Discrete Mathematics or Statistics | 3 | _____ |
| <input type="checkbox"/> ENG 112 | Written Composition II | 3 | _____ |
| <input type="checkbox"/> CHR 112 | New Testament Survey | 3 | _____ |
| <input type="checkbox"/> General Core ¹ | Social Science Core | 4 | _____ |
| | | 16 | |

Sophomore (Fall)

| <input checked="" type="checkbox"/> Course Prefix | Course Name | Credits | Notes |
|---|--|-----------|-------|
| <input type="checkbox"/> MAT 209 | Matrix Algebra | 3 | _____ |
| <input type="checkbox"/> CSC/MAT | CSC/MAT Elective | 3 | _____ |
| <input type="checkbox"/> ENG 201 or 202 | World Literature I or II | 3 | _____ |
| <input type="checkbox"/> CHE/PHY ² | Chemistry/Physics Core | 4 | _____ |
| <input type="checkbox"/> HIS 101 | World Civilization to the 18 th Century | 3 | _____ |
| | | 16 | |

Declare minor with Dean, Arts & Sciences (optional)

Sophomore (Spring)

| <input checked="" type="checkbox"/> Course Prefix | Course Name | Credits | Notes |
|---|--|-----------|-------|
| <input type="checkbox"/> MAT 208 or 205 | Statistics or Discrete Mathematics | 3 | _____ |
| <input type="checkbox"/> CSC 247 | Data Analytics | 3 | _____ |
| <input type="checkbox"/> HIS 102 | World Civilization from 18 th Century | 3 | _____ |
| <input type="checkbox"/> BIO ³ | Biology Core | 4 | _____ |
| <input type="checkbox"/> TBD | 2 nd Major / Minor / Elective | 3 | _____ |
| | | 16 | |

¹ Select One: PSY 213, SOC 211, PHL 240, PSC 211, HON 210, ECF 211 or 212

² Select One: PHY 111, PHY 213, CHE 105, CHE 111

³ Select One: BIO 100, BIO 110, BIO 112

Junior (Fall)

| <input checked="" type="checkbox"/> Course Prefix | Course Name | Credits | Notes |
|---|--|-----------|-------|
| <input type="checkbox"/> MAT 305 ⁴ | Statistical Methods | 3 | _____ |
| <input type="checkbox"/> CSC 337 | Data Visualization | 3 | _____ |
| <input type="checkbox"/> ART 210 | Arts in Western Civilization | 3 | _____ |
| <input type="checkbox"/> TBD | 2 nd Major / Minor / Elective | 3 | _____ |
| <input type="checkbox"/> TBD | 2 nd Major / Minor / Elective | 3 | _____ |
| | | 15 | |

Apply for Junior Audit after completing 72 credit hours

Junior (Spring)

| <input checked="" type="checkbox"/> Course Prefix | Course Name | Credits | Notes |
|---|---|-----------|-------|
| <input type="checkbox"/> CSC 410 | AI & Machine Learning | 3 | _____ |
| <input type="checkbox"/> CSC/MAT | CSC/MAT Upper-Level Elective | 3 | _____ |
| <input type="checkbox"/> PSY/SOC | PSY or SOC Elective (Additional Program Requirements) | 3 | _____ |
| <input type="checkbox"/> PEWS 100 | Fitness for Health | 1 | _____ |
| <input type="checkbox"/> TBD | 2 nd Major / Minor / Elective | 3 | _____ |
| <input type="checkbox"/> TBD | 2 nd Major / Minor / Elective | 3 | _____ |
| | | 16 | |

Junior (Summer) Optional

| <input checked="" type="checkbox"/> Course Prefix | Course Name | Credits | Notes |
|---|-----------------------|---------|-------|
| <input type="checkbox"/> TBD | Internship (Optional) | 1-3 | _____ |

Senior (Fall)

| <input checked="" type="checkbox"/> Course Prefix | Course Name | Credits | Notes |
|---|---|-----------|-------|
| <input type="checkbox"/> MAT 305 ⁴ | Statistical Methods | 3 | _____ |
| <input type="checkbox"/> CSC 437 | Data Security & Privacy | 3 | _____ |
| <input type="checkbox"/> CSC 498/MAT 498 | Seminar | 2 | _____ |
| <input type="checkbox"/> PSY/SOC | PSY or SOC Elective (Additional Program Requirements) | 3 | _____ |
| <input type="checkbox"/> TBD | 2 nd Major / Minor / Elective | 3 | _____ |
| | | 14 | |

Apply for Graduation

Senior (Spring)

| <input checked="" type="checkbox"/> Course Prefix | Course Name | Credits | Notes |
|---|--|-----------|-------|
| <input type="checkbox"/> CSC/MAT | CSC/MAT Upper-Level Elective | 3 | _____ |
| <input type="checkbox"/> CSC/MAT | CSC/MAT Upper-Level Elective | 3 | _____ |
| <input type="checkbox"/> TBD | 2 nd Major / Minor / Elective | 3 | _____ |
| <input type="checkbox"/> TBD | 2 nd Major / Minor / Elective | 3 | _____ |
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*A minimum of 36 upper-level (300 and 400 level) hours is required. The degree must meet a minimum of 120 hours.

⁴ Offered alternating years.