

## 3D ANIMATION & GAME DEVELOPMENT BACHELOR OF SCIENCE DEGREE SMITH COLLEGE OF ENGINEERING & TECHNOLOGY 2024-2025 Catalog Year

| ANIMATION & GAME DEVELOPMENT REQUIREMENTS |   |     |   |  |  |  |
|---|---|-----|---|--|--|--|
| COURSE NO                                 | COURSE TITLE                                  |     | PREREQUISITE                                  |  |  |  |
| DAGV 1200                                 | 3D Modeling Essentials                        | 3.0 | B or higher required to apply to the program  |  |  |  |
| DAGV 1400                                 | Scripting Essentials                          | 3.0 | B or higher required to apply to the program  |  |  |  |
| CS 1400                                   | Fundamentals of Programming                   | 3.0 | See advisor for approval                      |  |  |  |
| DAGV 2210                                 | 3D Modeling & Animation                       | 3.0 | Acceptance to Program                         |  |  |  |
| DAGV 2230                                 | Animation 1                                   | 2.0 | Co-req DAGV 223L, Acceptance to Program       |  |  |  |
| DAGV 223L                                 | Animation 1 Lab                               | 1.0 | Co-req DAGV 2230, Acceptance to Program       |  |  |  |
| DAGV 2440                                 | Scripting for Animation and Games 1           | 3.0 | Acceptance to Program                         |  |  |  |
| DAGV 2460                                 | Game Development 1                            | 3.0 | Acceptance to Program                         |  |  |  |
| DAGV 2330                                 | Intro to Rigging                              | 2.0 | Co-req DAGV 233L, Acceptance to Program       |  |  |  |
| DAGV 233L                                 | Intro to Rigging Lab                          | 1.0 | Co-req DAGV 2330, Acceptance to Program       |  |  |  |
| DAGV 2240                                 | Character Development                         |     | Acceptance to Program                         |  |  |  |
| DAGV 2470                                 | Game Development 2                            | 3.0 | Acceptance to Program                         |  |  |  |
| DAGV 2480                                 | Intro to Compositing                          | 3.0 | Acceptance to Program                         |  |  |  |
| DAGV 2340                                 | Digital Storyboarding                         | 3.0 | Acceptance to Program                         |  |  |  |
| DAGV 3310                                 | Technical Design and Direction                | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 3350                                 | Animation and Game Production 1               | 2.0 | Co-req DAGV 335L, UAS & Acceptance to Program |  |  |  |
| DAGV 335L                                 | Animation and Game Production 1 Lab           | 1.0 | Co-req DAGV 3350, UAS & Acceptance to Program |  |  |  |
| DAGV 3360                                 | Advanced Character Rigging                    | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 3440                                 | Scripting for Animation and Games 2           | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 3450                                 | Animation and Game Production 2               | 2.0 | Co-req DAGV 345L, UAS & Acceptance to Program |  |  |  |
| DAGV 345L                                 | Animation and Game Production 2 Lab           | 1.0 | Co-req DAGV 3450, UAS & Acceptance to Program |  |  |  |
| DAGV 3460                                 | Game Development 3                            | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 3470                                 | Animation Story Development                   | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 301R                                 | Digital Lecture Series                        | 1.0 | UAS   |  |  |  |
| DGM 312G                                  | Digital Media for Intercultural Communication | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DGM 3110                                  | Corporate Issues in Digital Media             | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 4350                                 | Advanced Technical Direction 1                | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 4450                                 | Advanced Technical Direction 2                | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 4550                                 | Performance Animation                         | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 490R                                 | Senior Capstone                               | 3.0 | UAS & Acceptance to Program                   |  |  |  |
| DAGV 490R                                 | Senior Capstone                               | 3.0 | UAS & Acceptance to Program                   |  |  |  |

Complete 9 elective credits of your choice it can be any course of your choosing

| GENERAL EDUCATION REQUIREMENTS |              |              |         |  |  |  |
|--------------------------------|--------------|--------------|---------|--|--|--|
| COURSE NO.                     | COURSE TITLE | PREREQUISITE | CREDITS |  |  |  |

| TOTAL CREDITS   |                                  |                                       |     |  |
|---|----------------------------------|---------------------------------------|-----|--|
| Third Science Distribution (See Wolverine Track for options)    |                                  |                                       |     |  |
| Physical Science Distribution (See Wolverine Track for options) |                                  |                                       |     |  |
| Biology Distribution (See Wolverine Track for options)          |                                  |                                       |     |  |
| Social/Behavioral Science (See Wolverine Track for options)     |                                  |                                       |     |  |
| Fine Arts Distribution (See Wolverine Track for options)        |                                  |                                       |     |  |
| Humanities Distribution (See Wolverine Track for options)       |                                  |                                       |     |  |
| American Institutions (See Wolverine Track for options)         |                                  |                                       |     |  |
| PHIL 2050   | Ethics and Values                | ENGL 1010                             | 3.0 |  |
| HLTH 1100   | Personal Health and Wellness     |                                       |     |  |
| EXSC 1097 or  | Fitness for Life or              |                                       | 2.0 |  |
| MATH 1050/1055  | College Algebra                  |                                       | 4.0 |  |
| MATH 1040/1045  | Introduction to Statistics       |                                       | 3.0 |  |
| MATH 1030/1035  | Quantitative Reasoning           | See Advisor for placement information | 3.0 |  |
| ENGL 2010   | Intermediate Writing             | ENGH 1005 or ENGL 1010                | 3.0 |  |
| ENGL 1010   | Introduction to Academic Writing |                                       | 3.0 |  |
| ENGH 1005   | Literacies and Composition       | See Advisor for placement information | 5.0 |  |