

**B.S. Digital Audio Technology: Audio Software Development and  
Engineering Concentration  
130 Credits**

| ✓  | Course Prefix                   | Course Title                                 | Credits     | Prerequisites              |
|--|---------------------------------|--|-------------|----------------------------|
| <b>*Remedial Courses</b>                               |                                 |  |             |                            |
|  | <b>MATH003</b>                  | Intermediate Algebra                         | <b>**3</b>  | <b>None</b>                |
|  | <b>ENG050</b>                   | Grammar and Composition                      | <b>**3</b>  | <b>None</b>                |
| <b>***Additional Math Courses</b>                      |                                 |  |             |                            |
|  | <b>MATH116</b>                  | Pre-Calculus                                 | <b>***4</b> | Placement Test or MATH003  |
| <b>First Academic Year (Fall, Spring, and Summer)</b>  |                                 |  |             |                            |
|  | <b>DAT110</b>                   | Desktop Production Fundamentals              | 3           | None                       |
|  | <b>ENG100</b>                   | English Composition                          | 3           | Placement Test or ENG050   |
|  | <b>MATH143</b>                  | Calculus 1                                   | 4           | Placement Test or MATH116  |
|  | <b>SWE100</b>                   | Introduction to Scripting: Python            | 3           | None                       |
|  | <b>General Education Course</b> | Please see General Education                 | 3           | As Required                |
|  | <b>DAT115</b>                   | Desktop Audio Production                     | 3           | DAT110                     |
|  | <b>MATH144</b>                  | Calculus 2                                   | 3           | MATH143                    |
|  | <b>SCI145</b>                   | College Physics 1                            | 4           | MATH143                    |
|  | <b>SWE110</b>                   | C Programming                                | 4           | MATH115 or MATH116         |
|  | <b>General Education Course</b> | Please see General Education                 | 3           | As Required                |
| <b>Second Academic Year (Fall, Spring, and Summer)</b> |                                 |  |             |                            |
|  | <b>DAT210</b>                   | Digital Sound Synthesis 1                    | 3           | DAT115 and MATH115         |
|  | <b>DAT220</b>                   | Studio Production 1                          | 3           | DAT115                     |
|  | <b>MATH245</b>                  | Calculus 3                                   | 3           | MATH144                    |
|  | <b>SWE212</b>                   | Java Programming                             | 4           | SWE110                     |
|  | <b>SWE295</b>                   | Data Structures and Algorithms               | 4           | SWE110 or SWE285           |
|  | <b>DAT212</b>                   | Interactive Audio Production                 | 3           | DAT210                     |
|  | <b>MATH295</b>                  | Discrete Mathematics                         | 3           | MATH144                    |
|  | <b>SWE285</b>                   | C++ Programming: Object Oriented Programming | 4           | SWE100 or SWE110 or SWE212 |
|  | <b>General Education Course</b> | Please see General Education                 | 3           | As Required                |
|  | <b>General Education Course</b> | Please see General Education                 | 3           | As Required                |

**\* Remedial classes are required when a placement test is not passed.**

**\*\* Remedial class credits are not counted towards earning a degree.**

| ✓  | Course Prefix                   | Course Title  | Credits | Prerequisites              |
|--|---------------------------------|---|---------|----------------------------|
| <b>Third Academic Year (Fall, Spring, and Summer)</b>  |                                 |   |         |                            |
|  | <b>DAT320</b>                   | Studio Production 2                                     | 3       | DAT220                     |
|  | <b>DAT360</b>                   | Digital Signal Processing                               | 3       | MATH245                    |
|  | <b>SCI220</b>                   | Foundations of Musical Acoustics                        | 3       | SCI100 or SCI145           |
|  | <b>SWE340</b>                   | Software Engineering Methods and Project 1              | 3       | SWE285                     |
|  | <b>General Education Course</b> | Please see General Education                            | 3       | As Required                |
|  | <b>DAT335</b>                   | Music Perception and Cognition                          | 3       | SCI100 or SCI145           |
|  | <b>DAT350</b>                   | Audio Programming                                       | 4       | SWE295                     |
|  | <b>DAT365</b>                   | Digital Filter Design                                   | 4       | DAT360                     |
|  | <b>General Education Course</b> | Please see General Education                            | 3       | As Required                |
|  | <b>General Education Course</b> | Please see General Education                            | 3       | As Required                |
| <b>Fourth Academic Year (Fall, Spring, and Summer)</b> |                                 |   |         |                            |
|  | <b>DAT450 or<br/>DAT455</b>     | Audio Software Development or<br>Game Audio Programming | 3       | DAT360                     |
|  | <b>DAT481</b>                   | Audio Engineering Project 1                             | 3       | DAT350                     |
|  | <b>Elective</b>                 | Any STEM Course   | 3       | As Required                |
|  | <b>General Education Course</b> | Please see General Education                            | 3       | As Required                |
|  | <b>General Education Course</b> | Please see General Education                            | 3       | As Required                |
|  | <b>DAT487</b>                   | Audio Engineering Project 2                             | 3       | DAT481                     |
|  | <b>DAT483</b>                   | DAT Collaborative Project                               | 3       | DAT320 or Faculty Approval |
|  | <b>Elective</b>                 | Any STEM Course   | 3       | As Required                |
|  | <b>Elective</b>                 | Any STEM Course   | 3       | As Required                |
|  | <b>General Education Course</b> | Please see General Education                            | 3       | As Required                |
|  | <b>General Education Course</b> | Please see General Education                            | 3       | As Required                |

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