

## BUTLER UNIVERSITY • DEPARTMENT OF THEATRE

### B.A. IN THEATRE *PLUS* A SECONDARY MAJOR IN MATHEMATICS

- The B.A. degree in Theatre requires 120 credits.  
 --40 hours must be 300 or 400-level courses.  
 --All theatre majors have Arts Event Attendance Requirements; for details, check <https://www.butler.edu/jca/for-current-students>.
- The double major of Theatre and Mathematics will fulfill the following Areas of Inquiry in the University Core Curriculum: Perspectives of the Creative Arts, Analytic Reasoning, and Texts and Ideas. In addition, the B.A. Theatre curriculum fulfills both the Indianapolis Community Requirement and the Butler Cultural Requirement.
- The Mathematics major has two possible tracks: the pure math track (displayed below) and the applied math track; required courses for the applied math track are listed separately at the end of the summary.
- The student will be assigned a Mathematics advisor in addition to their Theatre advisor.

#### **Semester 1**

|            |                            |   |
|------------|----------------------------|---|
| TH 100     | Professional Theatre Pract | 1 |
| TH 101     | Professional Theatre Lab   | 0 |
| TH 111     | Acting 1                   | 3 |
| TH 121     | Stage Movement 1           | 2 |
| TH 130     | Production Fundamentals    | 2 |
| TH 150-ICR | The Idea of Theatre        | 3 |
| FYS 101    | First Year Seminar         | 3 |
| MA 106*    | Calculus & Anal. Geo. 1    | 4 |

TOTAL Credit Hours: 18

#### **Semester 2**

|         |                            |   |
|---------|----------------------------|---|
| TH 100  | Professional Theatre Pract | 1 |
| TH 101  | Professional Theatre Lab   | 0 |
| TH 112  | Acting 2                   | 3 |
| TH 250  | Text Analysis              | 3 |
| FYS 102 | First Year Seminar         | 3 |
| MA 107  | Calculus & Anal. Geo. 2    | 4 |

TOTAL Credit Hours: 14

*\*Math placement test required; the student may need to take MA 101 (Algebra, 3 cr.) and/or MA 102 (Precalculus, 3 cr.) prior to MA 106. Students get credit for MA 106 if they receive a 4 or 5 on the Calculus AB AP exam; they receive credit for both MA 106 and MA 107 if they receive a 4 or 5 on the Calculus BC AP exam with a 4 or 5 on the AB subscore.*

#### **Semester 3**

|                |                               |   |
|----------------|-------------------------------|---|
| TH 300         | Professional Theatre Pract    | 1 |
| TH 122         | Voice for the Actor 1         | 2 |
| TH 232/331/335 | TH Design Course              | 3 |
| GHS ____       | Global and Historical Studies | 3 |
| WB ____        | Well-Being                    | 1 |
| MA 200         | Introduction to Proofs        | 3 |
| MA 208         | Calculus & Anal. Geo. 3       | 4 |

#### **Semester 4**

|                |                               |   |
|----------------|-------------------------------|---|
| TH 300         | Professional Theatre Pract    | 1 |
| TH 301         | Professional Theatre Lab      | 0 |
| TH 232/331/335 | TH Design Course              | 3 |
| TH ____        | Theatre Electives             | 3 |
| GHS ____       | Global and Historical Studies | 3 |
| MA 205         | Discrete Mathematics          | 3 |
| MA 310         | Linear Algebra                | 3 |

|                     |    |    |
|---------------------|----|----|
| TOTAL Credit Hours: | 17 | 16 |
|---------------------|----|----|

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**Semester 5**

|                |   |   |
|----------------|---|---|
| TH 300         | Professional Theatre Pract              | 1 |
| TH 301         | Professional Theatre Lab                | 0 |
| TH 232/331/335 | TH Design Course                        | 3 |
| TH 451/2/3     | Critical Perspectives 1/2/              | 3 |
| MA ____        | MA Elective                             | 3 |
|                | Programming elective (CS 142 or higher) | 3 |
|                | Language Elective                       | 3 |

**Semester 6**

|              |                          |   |
|--------------|--------------------------|---|
| TH 351/2-SJD | Amer Theatre History 1/2 | 3 |
| MA 330       | Complex Analysis         | 3 |
| MA 412       | Algebra: Groups          | 3 |
| MA ____      | MA Elective              | 3 |
|              | Language Elective        | 3 |

*Explanation: 6 hours of the same language at the 200-level or higher are required.*

|                     |    |    |
|---------------------|----|----|
| TOTAL Credit Hours: | 16 | 15 |
|---------------------|----|----|

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**Semester 7**

|         |                              |   |
|---------|------------------------------|---|
| TH 441  | Stage Directing 1            | 3 |
| TH 490  | Senior Capstone in Theatre   | 1 |
| TH ____ | Theatre Electives            | 3 |
| SW ____ | The Social World             | 3 |
| MA 426  | Analysis: Theory of Calculus | 3 |
| MA ____ | MA 413 or MA 427             | 3 |

**Semester 8**

|            |                              |     |
|------------|------------------------------|-----|
| TH 300     | Professional Theatre Pract   | 1   |
| TH 301     | Professional Theatre Lab     | 0   |
| TH 491-99  | Capstone Project, Internship | 1   |
| TH ____    | Theatre Electives            | 3   |
| NW ____    | The Natural World            | 5   |
| MA 497/498 | Math Capstone/Thesis         | 1-3 |
| MA ____    | MA Elective                  | 3   |

|                     |    |       |
|---------------------|----|-------|
| TOTAL Credit Hours: | 16 | 14-16 |
|---------------------|----|-------|

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## SUMMARY

### **REQUIRED THEATRE COURSES:**

|                    |  |             |
|--------------------|--|-------------|
| TH 100             | Professional Theatre Practices (first-year)  | 2 (1,1)     |
| TH 101             | Professional Theatre Lab (first-year: 2 sem) | 0,0         |
| TH 300             | Professional Theatre Practices (soph,jr,sr)  | 4 (1,1,1,1) |
| TH 301             | Professional Theatre Lab (soph,jr,sr: 3 sem) | 0,0,0       |
| TH 111             | Acting 1                                     | 3           |
| TH 112             | Acting 2                                     | 3           |
| TH 121             | Stage Movement 1                             | 2           |
| TH 122             | Voice for the Actor 1                        | 2           |
| TH 130             | Production Fundamentals                      | 2           |
| TH 150-ICR         | Idea of Theatre                              | 3           |
| TH 232             | Stage Lighting 1                             | 3           |
| TH 250             | Text Analysis                                | 3           |
| TH 331             | Scenography                                  | 3           |
| TH 335             | Costume Design                               | 3           |
| TH 351 or 352-SJD  | American Theatre History 1 or 2              | 3           |
| TH 441             | Stage Directing 1                            | 3           |
| TH 451,452, or 453 | Critical Perspectives of Theatre 1,2, or 3   | 3           |
| TH 490             | Senior Capstone in Theatre                   | 1           |
| TH 491-499         | Capstone Project, Internship, or Thesis      | 1           |
| Theatre Electives  |  | 9           |
| <b>TOTAL</b>       |  | <b>53</b>   |

### **UNIVERSITY CORE CURRICULUM:**

|              |                               |           |
|--------------|-------------------------------|-----------|
| FYS 101,102  | First Year Seminar            | 3,3       |
| GHS ____     | Global and Historical Studies | 3,3       |
| NW ____      | The Natural World             | 5         |
| SW ____      | The Social World              | 3         |
| WB ____      | Well-Being                    | 1         |
| <b>TOTAL</b> |                               | <b>21</b> |

### **COURSES REQUIRED FOR THE MATHEMATICS MAJOR:**

#### ***Courses taken for both tracks:***

|   |   |     |
|---|---|-----|
| MA 106*                                 | Calculus & Anal Geometry 1                              | 4   |
| MA 107                                  | Calculus & Anal Geometry 2                              | 4   |
| MA 200                                  | Introduction to Proofs                                  | 3   |
| MA 208                                  | Calculus & Anal Geometry 3                              | 4   |
| MA 310                                  | Linear Algebra  | 3   |
| ONE of the following courses:           |   | 1-3 |
| MA 497                                  | Mathematics Capstone (3)                                |     |
| MA 498                                  | Mathematics Thesis (1-3)                                |     |
| Programming Elective (CS 142 or higher) |   | 3   |
| Language                                | 6 hours of the same language at the 200-level or higher |     |

#### ***Courses taken for the pure math track (shown in the above plan):***

|        |                              |   |
|--------|------------------------------|---|
| MA 205 | Discrete Mathematics         | 3 |
| MA 330 | Complex Analysis             | 3 |
| MA 412 | Algebra: Groups              | 3 |
| MA 426 | Analysis: Theory of Calculus | 3 |

|   |              |
|---|--------------|
| ONE of the following courses:                                   | 3            |
| MA 413 Algebra: Rings and Fields                                |              |
| MA 427 Analysis: Lebesgue Integration                           |              |
| NINE credits of Math Electives (MA 301,305,311-399,413-428,473) | 9            |
| <b>TOTAL</b>  | <b>52-54</b> |

***Courses taken for the applied math track:***

|   |     |
|---|-----|
| MA 334 Differential Equations                             | 3   |
| ONE of the following Algebra courses:                     | 3   |
| MA 412 Algebra: Groups                                    |     |
| MA 413 Algebra: Rings and Fields                          |     |
| ONE Statistics option:                                    | 3-6 |
| MA 359 Probability and Statistics (3)                     |     |
| MA 162/MA 360 Elem Statistics/Probability Theory 1 (3/3)  |     |
| ONE of the following Analysis courses:                    | 3   |
| MA 426 Analysis: Theory of Calculus                       |     |
| MA 427 Analysis: Lebesgue Integration                     |     |
| MA 428 Analysis: Calculus on Manifolds                    |     |
| TWO of the following Applied courses:                     | 6   |
| MA 337 Applied Dynamics and Stability Theory              |     |
| MA 365 Numerical Analysis                                 |     |
| MA 396 Operations Research                                |     |
| TWO Math Electives (300/400-level, from an approved list) | 6   |

*\*Math placement test required; the student may need to take MA 101 (Algebra, 3 cr.) and/or MA 102 (Precalculus, 3 cr.) prior to MA 106. Students get credit for MA 106 if they receive a 4 or 5 on the Calculus AB AP exam; they receive credit for both MA 106 and MA 107 if they receive a 4 or 5 on the Calculus BC AP exam with a 4 or 5 on the AB subscore.*