# BUTLER UNIVERSITY • DEPARTMENT OF THEATRE

## B.A. IN THEATRE *PLUS* A SECONDARY MAJOR IN ASTRONOMY AND ASTROPHYSICS (A&A)

• 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 A&A will fulfill the following Areas of Inquiry in the University Core Curriculum: Perspectives of the Creative Arts, Analytic Reasoning, The Natural World, and Texts and Ideas. In addition, the B.A. Theatre curriculum fulfills both the Indianapolis Community Requirement and the Butler Cultural Requirement.

• The student will be assigned an A&A advisor in addition to their Theatre advisor.

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| ***Semester 1*** | | | ***Semester 2*** | | |
|---|---|---|---|---|---|
| TH 100 | Professional Theatre Pract | 1 | TH 100 | Professional Theatre Pract | 1 |
| TH 101 | Professional Theatre Lab | 0 | TH 101 | Professional Theatre Lab | 0 |
| TH 111 | Acting 1 | 3 | TH 112 | Acting 2 | 3 |
| TH 121 | Stage Movement 1 | 2 | TH 250 | Text Analysis | 3 |
| TH 122 | Voice for the Actor 1 | 2 | | | |
| TH 130 | Production Fundamentals | 2 | | | |
| TH 150-ICR | The Idea of Theatre | 3 | | | |
| FYS 101 | First Year Seminar | 3 | FYS 102 | First Year Seminar | 3 |
| | | | SW ____ | The Social World | 3 |
| | | | WB ____ | Well-Being | 1 |
| MA 106* | Calculus & Anal. Geo. 1 | 4 | MA 107 | Calculus & Anal Geo. 2 | 4 |
| PH 490 | Colloquium | 0 | PH 490 | Colloquium | 0 |
| TOTAL Credit Hours: | | 20 | | | 18 |

**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.*

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***Summer***

| | | |
|---|---|---|
| GHS ____ | Global and Historical Studies | 3 |

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| ***Semester 3*** | | | ***Semester 4*** | | |
|---|---|---|---|---|---|
| TH 300 | Professional Theatre Pract | 1 | TH 300 | Professional Theatre Pract | 1 |

| | | | | | |
|---|---|---|---|---|---|
| TH 232/331/335 | TH Design Course | 3 | TH 301 | Professional Theatre Lab | 0 |
| | | | TH 232/331/335 | TH Design Course | 3 |
| AS 102 | Modern Astronomy | 3 | AS 301 | Modern Astronomical Tech | 3 |
| MA 208 | Calculus & Anal. Geo. 3 | 4 | MA 310 | Linear Algebra | 3 |
| PH 201 | Intro to Anal. Physics 1 | 5 | PH 202 | Intro to Anal. Physics 2 | 5 |
| PH 490 | Colloquium | 0 | PH 490 | Colloquium | 0 |
| Language Elective | | 3 | Language Elective | | 3 |
| *Explanation: 6 hours of the same language at the 200-level or higher are required.* | | | | | |
| TOTAL Credit Hours: | | 19 | | | 18 |

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| ***Semester 5*** | | | ***Semester 6*** | | |
|---|---|---|---|---|---|
| TH 300 | Professional Theatre Pract | 1 | TH 351/2-SJD | Amer Theatre History 1/2 | 3 |
| TH 301 | Professional Theatre Lab | 0 | TH ____ | Theatre Electives | 2 |
| TH 232/331/335 | TH Design Course | 3 | | | |
| TH 451/2/3 | Critical Perspectives 1/2/3 | 3 | | | |
| AS 311 | Astrophysics 1 | 3 | AS 312 | Astrophysics 2 | 3 |
| MA 334 | Differential Equations | 3 | AS 340 | Cosmol & Extragal Astrophy | 3 |
| PH 301 | Modern Physics | 3 | PH 303 | Electromag Waves & Optics | 4 |
| PH 490 | Colloquium | 0 | PH 321 | Inter Classical Mechanics | 4 |
| | | | PH 490 | Colloquium | 0 |
| TOTAL Credit Hours: | | 16 | | | 19 |

**Not required for the A&A major, but recommended for students considering graduate school in A&A.

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| ***Semester 7*** | | | ***Semester 8*** | | |
|---|---|---|---|---|---|
| TH 441 | Stage Directing 1 | 3 | TH 300 | Professional Theatre Pract | 1 |
| TH 490 | Senior Capstone in Theatre | 1 | TH 301 | Professional Theatre Lab | 0 |
| TH ____ | Theatre Electives | 4 | TH 491-99 | Capstone Project, Internship | 1 |
| | | | TH ____ | Theatre Electives | 3 |
| | | | GHS ____ | Global and Historical Studies | 3 |
| PH 331 | Electromagnetic Theory | 4 | CS 142 | Intro to Comp Science & Prog | 3 |
| PH 421** | Quantum Theory | 4 | PH 311** | Experimental Modern Physics | 3 |
| PH 461** | Computational Physics | 3 | PH 325** | Thermodyn & Statistical Phys | 4 |
| PH 495 | Senior Seminar | 1 | PH 490 | Colloquium | 0 |
| TOTAL Credit Hours: | | 20 | | | 18 |

**Not required for the A&A major, but recommended for students considering graduate school in A&A.

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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 |
| | ***TOTAL*** | ***53*** |

***UNIVERSITY CORE CURRICULUM:***

| | | |
|---|---|---|
| FYS 101,102 | First Year Seminar | 3,3 |
| GHS ____ | Global and Historical Studies | 3,3 |
| SW ____ | The Social World | 3 |
| WB ____ | Well-Being | 1 |
| | ***TOTAL*** | ***16*** |

***COURSES REQUIRED FOR THE ASRTRONOMY AND ASTROPHYSICS MAJOR:***

NOTE: Many upper-level physics courses require one or more of the following math courses as prerequisites (included in the plan above):

| | | |
|---|---|---|
| MA 106* | Calculus & Anal Geometry 1 | 4 |
| MA 107 | Calculus & Anal Geometry 2 | 4 |
| MA 208 | Calculus & Anal Geometry 3 | 4 |
| MA 310 | Linear Algebra | 3 |
| MA 334 | Differential Equations | 3 |

| | | |
|---|---|---|
| AS 102 | Modern Astronomy | 3 |
| AS 301 | Modern Astronomical Techniques | 3 |
| AS 311 | Astrophysics 1 | 3 |
| AS 312 | Astrophysics 2 | 3 |
| AS 340 | Cosmology & Extragalactic Astrophysics | 3 |
| CS 142 | Introduction to Comp Science & Program | 3 |
| PH 201 | Introduction to Analytical Physics 1 | 5 |
| PH 202 | Introduction to Analytical Physics 2 | 5 |
| PH 301 | Modern Physics | 3 |
| PH 303 | Electromagnetic Waves and Optics | 4 |
| PH 321 | Intermediate Classical Mechanics | 4 |

| | | |
|---|---|---|
| PH 331 | Electromagnetic Theory | 4 |
| PH 490 | Colloquium (seven semesters) | 0 |
| PH 495 | Senior Seminar | 1 |
| Language | 6 hours of the same language at the 200-level or higher | |
| | ***TOTAL*** | ***50 (plus 18 additional math credits, if necessary)*** |

**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.*

***Additional courses recommended for students (shown above):***

| | | |
|---|---|---|
| PH 311 | Experimental Modern Physics | 3 |
| PH 325 | Thermodynamics and Statistical Physics | 4 |
| PH 421 | Quantum Theory | 4 |
| PH 461 | Computational Physics | 3 |