

BUTLER UNIVERSITY • DEPARTMENT OF THEATRE

B.A. IN THEATRE *PLUS* A SECONDARY MAJOR IN PHYSICS

- 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 Physics 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 a Physics 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
PH 490	Colloquium	0

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
SW ____	The Social World	3
MA 107	Calculus & Anal Geo. 2	4
PH 490	Colloquium	0

TOTAL Credit Hours: 17

**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
MA 208	Calculus & Anal. Geo. 3	4
PH 201	Intro to Anal. Physics 1	5
PH 490	Colloquium	0
Language Elective		3

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
WB ____	Well-Being	1
MA 310	Linear Algebra	3
PH 202	Intro to Anal. Physics 2	5
PH 490	Colloquium	0
Language Elective		3

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

TOTAL Credit Hours:	18	19
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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	3
TH ____	Theatre Electives	3

AS 311**	Astrophysics 1	3
PH 301	Modern Physics	3
PH 331	Electromagnetic Theory	4
PH 490	Colloquium	0

TOTAL Credit Hours:	20	19
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**Not required for the Physics major, but recommended for students considering graduate school in Physics.

Semester 6

TH 351/2-SJD	Amer Theatre History 1/2	3
TH ____	Theatre Electives	3

MA 334	Differential Equations	3
PH 303	Electromag Waves & Optics	3
PH 311	Experiment Modern Physics	3
PH 315**	Math Methods for Physics	4
PH 490	Colloquium	0

Semester 7

TH 441	Stage Directing 1	3
TH 490	Senior Capstone in Theatre	1

GHS ____	Global and Historical Studies	3
AS 340**	Cosmol & Extragal Astrophy	3
PH 421	Quantum Theory	4
PH 461**	Computational Physics	3
PH 490	Colloquium	0
PH 495	Senior Seminar	1

TOTAL Credit Hours:	18	17
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**Not required for the Physics major, but recommended for students considering graduate school in Physics.

Semester 8

TH 300	Professional Theatre Pract	1
TH 301	Professional Theatre Lab	0
TH 491-99	Capstone Project, Internship	1

GHS ____	Global and Historical Studies	3
PH 321	Inter Classical Mechanics	4
PH 325	Therm & Statistical Physics	4
PH 422**	Quantum Theory 2	4
PH 490	Colloquium	0

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 PHYSICS 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
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	3
PH 311	Experimental Modern Physics	3
PH 321	Intermediate Classical Mechanics	4
PH 325	Thermodynamics and Statistical Physics	4
PH 331	Electromagnetic Theory	4
PH 421	Quantum Theory	4
PH 490	Colloquium (every semester)	0
PH 495	Senior Seminar	1

TWO AS/PH Electives, chosen from: 6-8

AS 301	Modern Astronomical Tech with lab	3
AS 311	Astrophysics 1	3
AS 312	Galactic Astrophysics 2	3
AS 340	Cosmology & Extragalactic Astrophysics	3
PH 315	Mathematical Methods for Physics	4
PH 351	Analog Electronics 1	4
PH 422	Quantum Theory 2	4
PH 427	General Relativity and Gravity 1	3
PH 461	Computational Physics	3
PH 480	Special Topics	3

Language 6 hours of the same language at the 200-level or higher

TOTAL

48-50 (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 going to graduate school in Physics (included in the plan above, and fulfill the AS/PH Elective requirement):

AS 311	Astrophysics 1	3
AS 340	Cosmology & Extragalactic Astrophysics	3
PH 315	Mathematical Methods for Physics	4
PH 422	Quantum Theory 2	4
PH 461	Computational Physics	3