

# College of Basic and Applied Sciences

## Upper Division Form 2015-2016 Catalog

Student name		Student #	
Major	<b>Physics</b>	Minor	(Optional)
Concentration	<b>Physics Teaching</b>	E-mail	

Instructions: For students graduating in Fall 2015 or later, one (1) copy signed by major and minor advisors should be filed in KUC 322 three (3) semesters prior to graduation. An Intent to Graduate form should be submitted with this form.

General Education Area	Course	Semester	Grade	Notes	Credit Hours
<b>COMMUNICATION</b> (9 hours)	ENGL 1010				3
	ENGL 1020				3
	COMM 2200				3
<b>HISTORY</b> (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030	HIST _____				3
	HIST _____				3
<b>HUMANITIES AND/OR FINE ARTS</b> (9 hours) Choose <u>one</u> : ENGL 2020, 2030 or HUM 2610. Choose <u>two</u> with different prefixes: ANTH 2210, ART 1030, 1920, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
<b>MATHEMATICS</b> (3 hours) <i>Recommend MATH 1910 (4 credits)</i>					3
<b>NATURAL SCIENCES</b> (8 hours) Recommend CHEM 1110/1111 (4 cr.). And either PHYS 2010/2011 (4 cr.) <u>or</u> PHYS 2110/2111					4
					4
<b>SOCIAL/BEHAVIORAL SCIENCES</b> (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, EMC/JOUR/RIM 1020, GEOG 2000, GS 2010, HLTH 1530/1531, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, WGST 2100					3
					3
<b>Total:</b>					41

Major Core (included in major GPA)	Course	Semester	Grade	Notes	Credit Hours
Physics Colloquium	PHYS 1010				1
Introductory Physics I <i>PHYS 2010/2011 or PHYS 2110/2111</i>	PHYS ____ PHYS ____				4
Introductory Physics II <i>PHYS 2020/2021 or PHYS 2120/2121</i>	PHYS ____ PHYS ____				4
Modern Physics I <i>PHYS 3100 or PHYS 3070</i>	PHYS ____				3
Modern Physics II <i>PHYS 3110 or PHYS 3080</i>	PHYS ____				3
Modern Physics Lab	PHYS 3111				1
Thermodynamics <i>PHYS 3610 or PHYS 3510</i> or Intermediate Physics <i>PHYS 3400</i>	PHYS ____				3
Physics Seminar	PHYS 3800				1
Physics Practicum	PHYS 3900				1
Research <i>(PHYS or ASTR)</i>	____ 4850				2
Senior Thesis <i>(PHYS or ASTR)</i>	____ 4900				2
<b>Total:</b>					25
Major/concentration requirements are continued on the next page.					

Concentration (included in major GPA)	Course	Semester	Grade	Notes	Credit Hours
Teaching of Physics	PHYS 3930				3
Physics Licensure I	PHYS 3950				1
Physics Licensure II	PHYS 3960				1
Exploring the Universe	ASTR 1030				3
<b>33 hours in major GPA</b>					<b>Total: 8</b>

Supporting (excluded from major GPA)	Course	Semester	Grade	Notes	Credit Hours
Calculus I	MATH 1910				4
Calculus II	MATH 1920				4
Probability and Statistics	MATH 2050				3
Differential Equations or Theoretical Physics I	MATH 3120 or PHYS 3150				3
General Chemistry I	CHEM 1110/1111				4
General Chemistry II	CHEM 1120/1121				4
General Biology I	BIOL 1110/1111				4
<b>Total:</b>					<b>26</b>

Note: At least 18 credits of elective hours must be upper division (3000/4000 level).

Minor (Minor is Optional)	Course	Semester	Grade	Notes	Credit Hours
<i>* Students seeking a license to teach physics in secondary schools must complete a minor in Secondary Education.</i>					
<b>Total:</b>					
<b>Signed:</b>					
	<b>Minor Advisor (if applicable)</b>				<b>Date</b>

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.

<b>Signed:</b>		
	<b>Physics Advisor</b>	<b>Date</b>

Local Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
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