

**Bachelor of Science  
Physics – Materials Science  
Fall 2017 Undergraduate Catalog**

**Freshman Year**

ENGL 1010	3	ENGL 1020	3
GE MATH- MATH 1910	4	MATH 1920	4
PHYS 2110/2111	4	PHYS 2120/2121	4
CHEM 1110/1111	4	CHEM 1120/1121	4

<i>Semester Totals</i>	<i>15 hrs.</i>	<i>15 hrs.</i>
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**Sophomore Year**

PHYS 2130	4	PHYS 3011	3
MATH 2110	4	MATH 2120	3
COMM 2381	3	PHYS 3010	3
Elective	3	GE Social/Behavioral Science	3
PHYS 2990	1	GE Humanities	3
		UD Elective	1

<i>Semester Totals</i>	<i>15 hrs.</i>	<i>16 hrs.</i>
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**Junior Year**

PHYS 3111	3	PHYS 3211	3
UD PHYS/MECH/CIVL*	3	PHYS 4510	3
ENGL 2201 or 2202	3	PHYS 4720	3
PHYS 3990	2	GE History	3
Elective	3	Elective	3

<i>Semester Totals</i>	<i>14 hrs.</i>	<i>15 hrs.</i>
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**Senior Year**

PHYS 4410	3	PHYS 4610	3
PHYS 4820	3	PHYS 4994	3
GE Social/Behavioral Science	3	GE Humanities	3
History	3	UD Elective	3
UD Elective	3	Elective	3

<i>Semester Totals</i>	<i>15 hrs.</i>	<i>15 hrs.</i>
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*\*One of PHYS 4020, 4060, 4230, MECH 3320, MECH/CIVL 3322*

GE = General Education Requirements      BS = Bachelor of Science college requirements      UD = Upper division  
Foreign Language Requirement – See the Undergraduate Catalog: <http://catalog.memphis.edu>

*Degree hours = 120*

*42 Upper Division hours required for graduation*

*No more than 2 hours of physical education courses may be counted toward a degree.*

*Residence – 30 of the last 60 hours must be taken at University of Memphis; at least 60 hours must be at a four-year institution; transfer students must earn at least 6 hours of a major at UM and at least 3 hours of a minor at UM*