

# BACHELOR OF ARTS PHYSICS



THOMAS MORE  
UNIVERSITY

## Approved Degree Requirements Checklist

SECOND CENTURY CORE CURRICULUM REQUIREMENTS	CREDIT HOURS
<b>INNER CORE REQUIREMENTS</b>	
<b>FIRST YEAR SEMINAR (For First-Year Students only)</b>	<b>1</b>
<input type="checkbox"/> FYE 150, First Year Exploration	
<b>COMMUNICATION</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>ENGLISH 150</b>	<b>3</b>
<input type="checkbox"/> ENG 150, Literature, Writing and Research	
<b>ENGLISH 200+</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>FINE ARTS (ART, MUS, THR)</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>FOREIGN LANGUAGE (FRE, GER, LAN, LAT, LAN)</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>HISTORY</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>MATHEMATICS (MAT 120+)</b>	<b>3</b>
<input checked="" type="checkbox"/> Included in the Major Requirements	
<b>NATURAL SCIENCE LECTURE (NSB, NSC, NSP, EXS150, BIO, CHE, PHY)</b>	<b>3/4</b>
<input checked="" type="checkbox"/> Included in the Major Requirements	
<b>NATURAL SCIENCE LAB (NSB, NSC, NSP, EXS150, BIO, CHE, PHY)</b>	<b>0/1</b>
<input checked="" type="checkbox"/> Included in the Major Requirements	
<b>PHILOSOPHY</b>	<b>6</b>
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
<b>SOCIAL SCIENCE (ECO, LAW, POS, PSY, SOC)</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>THEOLOGY</b>	<b>6</b>
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
<b>OUTER CORE REQUIREMENTS (Select one.)</b>	
<input type="checkbox"/> Second Major: _____	
<input type="checkbox"/> Minor: _____	
<input type="checkbox"/> Outer Core Sequence (9 Hours)	

MAJOR REQUIREMENTS	CREDIT HOURS
<b>PHYSICS</b>	<b>33</b>
<input type="checkbox"/> PHY 141, General Physics I	
<input type="checkbox"/> PHY 141L, General Physics I Lab	
<input type="checkbox"/> PHY 142, General Physics II	
<input type="checkbox"/> PHY 142L, General Physics II Lab	
<input type="checkbox"/> PHY 241, General Physics III	
<input type="checkbox"/> PHY 241L, General Physics III Lab	
<input type="checkbox"/> PHY 242, Modern Physics	
<input type="checkbox"/> PHY 312, Dynamics	
<input type="checkbox"/> PHY 321, Advanced Experimental Physics I	
<input type="checkbox"/> PHY 322, Advanced Experimental Physics II	
<input type="checkbox"/> PHY 490, Advanced Research Proposal	
<input type="checkbox"/> PHY 491, Advanced Research Projects in Physics	
<input type="checkbox"/> PHY 498, Senior Seminar	
<input type="checkbox"/> 6 credit hours from Physics courses that are numbered 200 or higher (excluding those cross-listed as NSP/PHY)	
<b>MATHEMATICS</b>	<b>19</b>
<input type="checkbox"/> MAT 151, Calculus and Analytical Geometry I	
<input type="checkbox"/> MAT 152, Calculus and Analytical Geometry II	
<input type="checkbox"/> MAT 201, Calculus and Analytical Geometry III	
<input type="checkbox"/> MAT 202, Differential Equations	
<input type="checkbox"/> MAT 320, Linear Algebra	
<b>LEARNING PLAN</b>	<b>15</b>
<input type="checkbox"/> A sequence of at least 15 credit hours that is developed by the student and advisor	
<b>EXPERIMENTAL LEARNING</b>	
<input checked="" type="checkbox"/> PHY 490, Advanced Research Proposal *	
<input checked="" type="checkbox"/> PHY 491, Advanced Research Projects in Physics *	

**TOTAL HOURS OF PHYSICS CORE** **67**  
**TOTAL HOURS REQUIRED FOR ANY BACHELOR'S DEGREE** **120**

Last Updated: Fall 2023

# BACHELOR OF SCIENCE PHYSICS



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## Approved Degree Requirements Checklist

SECOND CENTURY CORE CURRICULUM REQUIREMENTS	CREDIT HOURS
<b>INNER CORE REQUIREMENTS</b>	
<b>FIRST YEAR SEMINAR (For First-Year Students only)</b>	<b>1</b>
<input type="checkbox"/> FYE 150, First Year Exploration	
<b>COMMUNICATION</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>ENGLISH 150</b>	<b>3</b>
<input type="checkbox"/> ENG 150, Literature, Writing and Research	
<b>ENGLISH 200+</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>FINE ARTS (ART, MUS, THR)</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>FOREIGN LANGUAGE (FRE, GER, LAN, LAT, LAN)</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>HISTORY</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>MATHEMATICS (MAT 120+)</b>	<b>3</b>
<input checked="" type="checkbox"/> Included in the Major Requirements	
<b>NATURAL SCIENCE LECTURE (NSB, NSC, NSP, EXS150, BIO, CHE, PHY)</b>	<b>3/4</b>
<input checked="" type="checkbox"/> Included in the Major Requirements	
<b>NATURAL SCIENCE LAB (NSB, NSC, NSP, EXS150, BIO, CHE, PHY)</b>	<b>0/1</b>
<input checked="" type="checkbox"/> Included in the Major Requirements	
<b>PHILOSOPHY</b>	<b>6</b>
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
<b>SOCIAL SCIENCE (ECO, LAW, POS, PSY, SOC)</b>	<b>3</b>
<input type="checkbox"/> _____	
<b>THEOLOGY</b>	<b>6</b>
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
<b>OUTER CORE REQUIREMENTS (Select one.)</b>	
<input type="checkbox"/> Second Major: _____	
<input type="checkbox"/> Minor: _____	
<input type="checkbox"/> Outer Core Sequence (9 Hours)	

MAJOR REQUIREMENTS	CREDIT HOURS
<b>PHYSICS</b>	<b>44</b>
<input type="checkbox"/> PHY 141, General Physics I	
<input type="checkbox"/> PHY 141L, General Physics I Lab	
<input type="checkbox"/> PHY 142, General Physics II	
<input type="checkbox"/> PHY 142L, General Physics II Lab	
<input type="checkbox"/> PHY 241, General Physics III	
<input type="checkbox"/> PHY 241L, General Physics III Lab	
<input type="checkbox"/> PHY 242, Modern Physics	
<input type="checkbox"/> PHY 312, Dynamics	
<input type="checkbox"/> PHY 321, Advanced Experimental Physics I	
<input type="checkbox"/> PHY 322, Advanced Experimental Physics II	
<input type="checkbox"/> PHY 351, Electronics	
<input type="checkbox"/> PHY 351L, Electronics Lab	
<input type="checkbox"/> PHY 416, Quantum Mechanics	
<input type="checkbox"/> PHY 432, Electromagnetism	
<input type="checkbox"/> PHY 490, Advanced Research Proposal	
<input type="checkbox"/> PHY 491, Advanced Research Projects in Physics	
<input type="checkbox"/> PHY 498, Senior Seminar	
<input type="checkbox"/> 6 credit hours from Physics courses that are numbered 200 or higher (excluding those cross-listed as NSP/PHY)	
<b>MATHEMATICS</b>	<b>25</b>
<input type="checkbox"/> MAT 151, Calculus and Analytical Geometry I	
<input type="checkbox"/> MAT 152, Calculus and Analytical Geometry II	
<input type="checkbox"/> MAT 201, Calculus and Analytical Geometry III	
<input type="checkbox"/> MAT 202, Differential Equations	
<input type="checkbox"/> MAT 310, Partial Differential Equations	
<input type="checkbox"/> MAT 320, Linear Algebra	
<input type="checkbox"/> Math Elective (MAT 340 recommended)	
<b>EXPERIMENTAL LEARNING</b>	
<input checked="" type="checkbox"/> PHY 490, Advanced Research Proposal *	
<input checked="" type="checkbox"/> PHY 491, Advanced Research Projects in Physics *	

**TOTAL HOURS OF PHYSICS CORE** **69**  
**TOTAL HOURS REQUIRED FOR ANY BACHELOR'S DEGREE** **120**

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