

BACHELOR OF SCIENCE PHYSICS



THOMAS MORE
UNIVERSITY

Approved Degree Requirements Checklist

SECOND CENTURY CORE CURRICULUM REQUIREMENTS	CREDIT HOURS
INNER CORE REQUIREMENTS	
FIRST YEAR SEMINAR (For First-Year Students only)	1
<input type="checkbox"/> FYE 150, First Year Exploration	
COMMUNICATION	3
<input type="checkbox"/> _____	
ENGLISH 150	3
<input type="checkbox"/> ENG 150, Literature, Writing and Research	
ENGLISH 200+	3
<input type="checkbox"/> _____	
FINE ARTS (ART, ENG CW, MUS, THR)	3
<input type="checkbox"/> _____	
FOREIGN LANGUAGE (FRE, GER, LAN, LAT, SPA)	3
<input type="checkbox"/> _____	
HISTORY	3
<input type="checkbox"/> _____	
MATHEMATICS (MAT 121+)	3
<input checked="" type="checkbox"/> <u>FULFILLED WITHIN THE MAJOR REQUIREMENTS</u>	
NATURAL SCIENCE LECTURE (NSB, NSC, NSP, EXS150, BIO, CHE, PHY)	3/4
<input checked="" type="checkbox"/> <u>FULFILLED WITHIN THE MAJOR REQUIREMENTS</u>	
NATURAL SCIENCE LAB (NSB, NSC, NSP, EXS150, BIO, CHE, PHY)	0/1
<input checked="" type="checkbox"/> <u>FULFILLED WITHIN THE MAJOR REQUIREMENTS</u>	
PHILOSOPHY	4
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
SOCIAL SCIENCE (CRJ, ECO, LAW, POS, PSY, SOC)	3
<input type="checkbox"/> _____	
THEOLOGY	6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
OUTER CORE REQUIREMENTS (Select one.)	
<input type="checkbox"/> Second Major: _____	
<input type="checkbox"/> Minor: _____	
<input type="checkbox"/> Outer Core Sequence (9 Hours)	

MAJOR REQUIREMENTS	CREDIT HOURS
PHYSICS	44
<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)	
MATHEMATICS	25
<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)	
EXPERIMENTAL LEARNING	
<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**

To check pre-requisites and co-requisites, please see the catalog

Last Updated: Summer 2025