

# Physics 9-ADULT COMPREHENSIVE Core Curriculum Requirements

Catalog Year 2016-2017

Core I	Course	Hours	Grade
<b>FYS 100</b> – First Year Seminar (Transfer students with 30 or more credit hours are exempt from this course)	FYS 100	3	
100- or 200- level Critical Thinking (CT) Courses		3	
100- or 200- level Critical Thinking (CT) Courses		3	
<b>TOTAL</b>	<b>9 hours</b>		
Core II (100- or 200- Level)	Course	Hours	Grade
<b>COMPOSITION</b> (6 hours) – ENG 101 (must earn a grade of ‘C’ or better) ENG 102, 201 or ENG 201H (must earn a grade of ‘C’ or better)		3	
<b>COMMUNICATION</b> – CMM 103 or CMM 104H		3	
<b>FINE ARTS</b> – ART 112, MUS 142, MUS 200, MUS 210 or THE 112		3	
<b>HUMANITIES</b> – choose one from: CL 210, 230, 231, 232, 233, 234, 235, 236, 237, 250 CMM 205, 239, 240 ENG 200, 200H, 202, 203, 205, 206, 209, 210, 211, 212, 213, 215, 220, 221, 225, 231, 232, ENG 235, 240, 241, or 242 FRN 240, GER 240, JPN 240, 245, 250 HON 200 PHL 200, 200H, 201, 250 RST 205, 206, 220, 225, 250 SPN 240, 245		3	
<b>MATH</b> - choose one from MTH 121, 122, 125, 127, 130, 132, 140, 220, 225, 229, 230, 231	MTH 130	3	
<b>NATURAL/PHYSICAL SCIENCE</b> – choose one from: BSC 104, 105, 120, 121, 228, 250 CHM 109, 211 plus 217, 212 plus 218 GLY 110 plus 210L, 150 plus 150L, 200 plus 210L ISC 200, 201, 202, 205, 208, 209, 211 IST 111, 131, 224, 230 PHY 101 plus 101L, 201 plus 202, 203 plus 204, 211 plus 202, 213 plus 204 PS 101	Fulfilled by major	4	
<b>SOCIAL SCIENCE</b> – choose one from: ANT 201, ANT 201H CMM 213, 255 CJ 200, 211, 221, 231, 241 GEO 100, 203, 206, 222 HST 101, 102, 103, 103H, 125 HST 200, 205, 206, 208, 219, 220, 221, 223, 230, 230H, 231, 231H, 250, 260, 265 PSC 104, 105, 202, 207, 209, 211, 233 PSY 201, 201H, 223 SOC 200, 200H		3	
<b>TOTAL</b>	<b>25 Hours</b>		
	Course	Hours	Grade
<b>A minimum of 120 required for graduation.</b>	Multicultural or International	3	
<b>At least 45 hours must be upper division (300-499) level</b>	Writing Intensive	3	
<b>Developmental courses do not count toward graduation.</b>	Writing Intensive	3	
<b>ADDITIONAL COLLEGE OF EDUCATION REQUIREMENTS</b>			
<b>TECHNOLOGY</b>	Instructional Technology & Computing	CI 350	3
<b>Additional steps are required for admission into the Professional Education Courses and to be certified.</b>			
<b>PRAXIS II: Subject Test and Principles of Learning (PLT) Test are required for teaching certification</b>			
<b>****STUDENTS SHOULD MONITOR THEIR PROGRAM OF STUDY CAREFULLY DUE TO ONGOING CURRICULAR CHANGES****</b>			

<b>Physics 9-Adult – Required Courses</b>	<b>Hours</b>	<b>Grade</b>
<b>TEACHING SPECIALIZATION (56-57 Total Hours)</b>		
<b>MTH 122</b> - Plane Trigonometry (PR: ACT Math 22 , or SAT Mathematics 520 , or MTH127 Minimum Grade C Concurrent PR: or MTH130 Minimum Grade C )	<b>3</b>	
<b>MTH 127</b> – College Algebra (ACT Math 19 , or SAT Mathematics 460 , or MTH0XX , or Placement Math 100 , or Math Workshop-UC 100 , or WMTH002 , or MTH099 , or MTH102 , or MTH102B) OR <b>MTH 130</b> – College Algebra (ACT Math 21 , or SAT Mathematics 500)	<b>3-5</b>	
<b>MTH 140</b> – Applied Calculus (PR: MTH ACT 24 or above or “C” or better in MTH 127 or MTH 130) OR <b>MTH 229</b> – Calculus with Analytic Geometry (PR: MTH ACT of 27 or above or “C” or better in MTH 132)	<b>3-5</b>	
<b>CHM 211</b> – Principles of Chemistry I (CR: CHM 217) (PR: ACT 21–Math, SAT 500–Math, or “C” or above in MTH 127 and CHM 111)	<b>3</b>	
<b>CHM 217</b> – Principles of Chemistry I Lab (CR: CHM 211)	<b>2</b>	
<b>GLY 200</b> - Physical Geology (CR: GLY 210L)	<b>3</b>	
<b>GLY 210L</b> - Earth Materials Laboratory (CR: GLY 200)	<b>1</b>	
<b>PHY 201</b> – General Physics (CR: PHY 202) (PR: MTH 122 and MTH 127 or equivalent)	<b>3</b>	
<b>PHY 202</b> - General Physics Lab (CR: PHY 201)	<b>1</b>	
<b>PHY 203</b> – General Physics (CR: PHY 204) (PR: PHY 201)	<b>3</b>	
<b>PHY 204</b> – General Physics and Lab (CR: PHY 203)	<b>1</b>	
<b>PHY 320</b> – Introductory Physics Laboratory	<b>3</b>	
<b>PHY 421</b> – Modern Physics Laboratory	<b>2</b>	
<b>PS 101</b> – Introductory Astronomy (CT)	<b>4</b>	
<b>PS 325</b> – Development of Scientific Thought	<b>4</b>	
<b>Select 7 hours of PHY/PS Elective course:</b> 2 hours of advanced lab and 3 upper-level elective courses	<b>7</b>	
<b>PHY 491 or PHY 492</b> – Capstone Experience	<b>2</b>	
<b>TOTAL</b>	<b>57-58 Hours</b>	

**ALL coursework in Teaching Specialization and Professional Education  
Core must be completed with a grade of C or better.**

<b>PROFESSIONAL EDUCATION CORE (39 Hours)</b>	<b>Hours</b>	<b>Grade</b>
<b>EDF 201</b> – Educational Psychology and the Developing Learner*(CR: EDF 270) (Sophomore standing)	<b>3</b>	
<b>EDF 270</b> – Clinical Experience I *(CR: EDF 201) (35 clinical hours)**	<b>0</b>	
<b>CISP 421</b> –Children with Exceptionalities	<b>3</b>	
<b>THE FOLLOWING COURSES (ADMI 4) REQUIRE ADMISSION ELIGIBILITY (see below)</b>		
<b>CI 345</b> – Critical Reading, Writing and Thinking (15 clinical hours)**	<b>3</b>	
<b>CI 449</b> – Instructional and Classroom Management: Secondary education	<b>3</b>	
<b>CISP 422</b> – Differentiated Instruction (PR: CISP 421) (15 critical hours)**	<b>3</b>	
<b>EDF 319</b> – Applications of Learning Theory	<b>3</b>	
<b>EDF 435</b> – Classroom Assessment (PR: EDF 319)	<b>3</b>	
<b>EDF 475</b> – Schools In a Diverse Society	<b>3</b>	
<b>THE FOLLOWING COURSES (ADMI 5) REQUIRE ADMISSION ELIGIBILITY (see below)</b>		
<b>CI 415</b> – Integrated Methods: Secondary Education *(CR: CI 470)	<b>3</b>	
<b>CI 470</b> – Clinical Experience II *(CR: 415) (75 clinical hours)**	<b>0</b>	
<b>CI ___</b> – Student Teaching CAPSTONE (full semester) (credit/no credit)	<b>12</b>	
<b>TOTAL</b>	<b>39 Hours</b>	

**Course requires clinical experience in public school during normal schools hours. \*\* Schedule open time accordingly.**

<b>Admission requirements for ADMI 4:</b>	<b>Admission requirements for ADMI 5:</b>	<b>Admission requirements for Student Teaching:</b>
<ol style="list-style-type: none"> <li>Complete application for ADMI 4 status in JH 225</li> <li>EDF 201 (grade “C” or better) and EDF 270 (credit)</li> <li>Passing scores on the PRAXIS Core exam – all 3 areas (EXEMPT from PRAXIS Core exam with SAT 1170 or ACT composite 26 or higher)</li> <li>Minimum 2.8 GPA (both MU and overall)</li> <li>21 ACT composite score</li> <li>MU students: Completion of 26 credits hours</li> <li>Transfer students: Completion of 12 Marshall University credit hours</li> </ol>	<ol style="list-style-type: none"> <li>12 hours of completed Professional Education Core courses</li> <li>2.8 GPA overall, at MU, and in Teaching Specialization</li> <li>3.0 GPA in Professional Education Core</li> </ol>	<ol style="list-style-type: none"> <li>At least 90% of Teaching Specialization courses completed</li> <li>Minimum of 100 credit hours completed</li> <li>2.8 GPA overall, at MU, and in Teaching Specialization</li> <li>3.0 GPA in Professional Education Core</li> <li>Completion of all Professional Education Core Courses (with the exception of EDF 475)</li> </ol>