

**AA Course Sequence Guide – Full-Time Enrollment
Physics Pathway
Associate in Arts Degree | Code: 11900 | 60 Credits
Effective Term: Fall 2024 (2247)**

SEMESTER	Course ID	Course Title	Credits	Pre/Corequisites
Semester 1	ENC 1101 (W)	English Composition 1	3	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
	BSC 1005	General Education Biology	3	
	BSC 1005L	General Education Biology Laboratory	1	
	MAC 1105 (C)	College Algebra	3	Prerequisite: MAT 1033 ♦ ♦ Students must seek advisement for proper mathematics course from discipline chairperson.
	<i>Social Sciences</i>	AMH 2010, AMH 2020, POS 2041	3	
	SLS 1106	First Year Experience Seminar	1	
	TOTAL CREDITS			14
Semester 2	ENC 1102 (W)	English Composition 2	3	Prerequisite: ENC 1101
	<i>Humanities</i>	ARH 1000, HUM 1020, LIT 2000 (W), MUL 1010, PHI 2010 (W), THE 2000 (W)	3	Prerequisite for LIT 2000: ENC 1101
	MAC 1147 (C)	Pre-Calculus Algebra & Trigonometry	5	Prerequisite: MAC 1105
	CHM 1025	Introductory Chemistry	3	Prerequisite: MAT 1033
	TOTAL CREDITS			14
Semester 3	MAC 2311 (C)	Calculus and Analytic Geometry 1	5	Prerequisites: MAC 1106 and MAC 1114, MAC 1140 and MAC 1114, or MAC 1147
	CHM 1045	General Chemistry & Qualitative Analysis	3	Prerequisite: CHM1025 or a passing score on the CART exam, MAC 1105; Corequisite: CHM 1045L
	CHM 1045L	General Chemistry & Qualitative Analysis Lab	2	Prerequisite: CHM 1025 or passing score on CART exam, MAC 1105; Corequisite: CHM 1045
	<i>Social Sciences</i>	AMH 2010, AMH 2020, ANT 2000, ANT 2410, CLP 1006, DEP 2000, ECO 2013 (W), ISS 1120, ISS 1161, POS 2041, PSY 2012, SYG 2000, WOH 2012, WOH 2022	3	Note: Check with an MDC advisor for requisite information.
	TOTAL CREDITS			13
Semester 4	<i>Oral Communication</i>	ENC 2300 (W), LIT 2480 (W), SPC 1017 (W), SPC 2608 (W)	3	Prerequisite for ENC 2300: ENC 1101, ENC 1102 Prerequisite for LIT 2480: ENC 1102 Prerequisite for SPC 2608: ENC 0025
	CHM 1046	General Chemistry & Qualitative Analysis	3	Prerequisite: CHM 1045 Corequisite: CHM 1046L
	CHM 1046L	General Chemistry & Qualitative Analysis Lab	2	Prerequisite: CHM 1045, 1045L Corequisite: CHM 1046.
	PHY 1025	Basics Physics	3	Prerequisite: MAC 1105
	TOTAL CREDITS			11
Semester 5	<i>Humanities</i>	ARC 2701, ARC 2702 (W), ARH 1000, ARH 2050, ARH 2051 (W), ARH 2740 (W), DAN 2100, DAN 2130 (W), HUM 1020, IND 1100, IND 1130 (W), LIT 2000 (W), LIT 2120 (W), MUH 2111, MUH 2112 (W), MUL 1010, MUL 2380 (W), PHI 2010 (W), PHI 2600 (W), THE 2000 (W)	3	Note: Check with an MDC advisor for requisite information.
	PHY 2048	Physics with Calculus I	4	Prerequisites: High school physics or PHY 1025, PHY 2053 or departmental approval and MAC 2311 Corequisite: PHY 2048L
	PHY 2048L	Physics with Calculus I Lab	1	Prerequisites: MAC 2311 and High School Physics or PHY 1025 or PHY 2053 and PHY 2053L or departmental approval Corequisite: PHY 2048
	<i>Computer Competency</i>	Computer Skills Placement (CSP) ---or--- CGS 1060C		Departmental Recommendation: Computer Skills Placement (CSP)
	TOTAL CREDITS			8
PROGRAM TOTAL			60	

AA Course Sequence Guide – Part-Time Enrollment
Physics Pathway
Associate in Arts Degree | Code: 11900 | 60 Credits
Effective Term: Fall 2024 (2247)

SEMESTER	Course ID	Course Title	Credits	Pre/Co-Requisites
Semester 1	ENC 1101 (W)	English Composition 1	3	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
	MAC 1105 (C)	College Algebra	3	Prerequisite: MAT 1033 ♦ ♦ Students must seek advisement for proper mathematics course from discipline chairperson.
	<i>Social Sciences</i>	AMH 2010, AMH 2020, POS 2041	3	
	SLS 1106	First Year Experience Seminar	1	
	TOTAL CREDITS			10
Semester 2	ENC 1102 (W)	English Composition 2	3	Prerequisite: ENC 1101
	<i>Humanities</i>	ARH 1000, HUM 1020, LIT 2000 (W), MUL 1010, PHI 2010 (W), THE 2000 (W)	3	Prerequisite for LIT 2000: ENC 1101
	CHM 1025	Introductory Chemistry	3	Prerequisite: MAT 1033
	TOTAL CREDITS			9
Semester 3	BSC 1005	General Education Biology	3	
	BSC 1005L	General Education Biology Laboratory	1	
	MAC 1147 (C)	Pre-Calculus Algebra & Trigonometry	5	Prerequisite: MAC 1105
	TOTAL CREDITS			9
Semester 4	<i>Humanities</i>	ARC 2701, ARC 2702 (W), ARH 1000, ARH 2050, ARH 2051 (W), ARH 2740 (W), DAN 2100, DAN 2130 (W), HUM 1020, IND 1100, IND 1130 (W), LIT 2000 (W), LIT 2120 (W), MUH 2111, MUH 2112 (W), MUL 1010, MUL 2380 (W), PHI 2010 (W), PHI 2600 (W), THE 2000 (W)	3	Note: Check with an MDC advisor for requisite information.
	MAC 2311 (C)	Calculus and Analytic Geometry 1	5	Prerequisite: MAC 1106 and MAC 1114, MAC 1140 and MAC 1114, or MAC 1147
	TOTAL CREDITS			8
Semester 5	CHM 1045	General Chemistry & Qualitative Analysis	3	Prerequisite: CHM 1025 or a passing score on the CART exam, MAC 1105; Corequisite: CHM 1045L
	CHM 1045L	General Chemistry & Qualitative Analysis Lab	2	Prerequisite: CHM 1025 or passing score on CART exam, MAC 1105; Corequisite: CHM 1045
	<i>Social Sciences</i>	AMH 2010, AMH 2020, ANT 2000, ANT 2410, CLP 1006, DEP 2000, ECO 2013 (W), ISS 1120, ISS 1161, POS 2041, PSY 2012, SYG 2000, WOH 2012, WOH 2022	3	Note: Check with an MDC advisor for requisite information.
	TOTAL CREDITS			8
Semester 6	<i>Oral Communication</i>	ENC 2300 (W), LIT 2480 (W), SPC 1017 (W), SPC 2608 (W)	3	Prerequisite for ENC 2300: ENC 1101, ENC 1102 Prerequisite for LIT 2480: ENC 1102 Prerequisite for SPC 2608: ENC 0025
	PHY 1025	Basics Physics	3	Prerequisite: MAC 1105
	TOTAL CREDITS			6
Semester 7	CHM 1046	General Chemistry & Qualitative Analysis	3	Prerequisite: CHM 1045 Corequisite: CHM 1046L
	CHM 1046L	General Chemistry & Qualitative Analysis Lab	2	Prerequisite: CHM 1045, 1045L Corequisite: CHM 1046.
	PHY 2048	Physics (with Calculus) I	4	Prerequisites: High school physics or PHY 1025, PHY 2053 or departmental approval and MAC 2311 Corequisite: PHY 2048L
	PHY 2048L	Physics (with Calculus) I Lab	1	Prerequisites: MAC 2311 and High School Physics or PHY 1025 or PHY 2053 and PHY 2053L or departmental approval Corequisite: PHY 2048
	TOTAL CREDITS			10
PROGRAM TOTAL			60	