

# Liberal Arts and Sciences (A.S. Degree)

## PHYSICS OPTION

2009 - 2011 Catalog

Major Code: 339

### REMEDIAL SEQUENCE (if Required)

ESL 02 (6)	→	ESL 03 (6)	→	ENG 09 (4)
ENG 01 (4)	→	ENG 02 (4)		
RDL 01 (5)	→	RDL 02 (5)		
MTH 01 (4)	→	MTH 05 (6)	→	MTH 06 (6)
CHM 02 (4)				

### GRADUATION REQUIREMENTS

CAT - R	CAT - W	CAT - M
Writing Intensive Course I	Writing Intensive Course II	
2.0 GPA or higher		

### FRESHMAN REQUIREMENT

OCD 01
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<sup>1</sup> ENG 10 is designed for students who pass the CAT-R and score 6 on the CAT-W.

<sup>2</sup> HIS 11 is designed for students on the ENG 01/02 and/or RDL 01/02 level.

<sup>3</sup> See your advisor to determine the appropriate course from an approved list of Humanities or Social Sciences courses.

<sup>4</sup> Modern language is a requirement for students planning to transfer to a CUNY four-year college and major in Biology, Chemistry, Earth Science or Physics. See the language requirements at the senior college.

<sup>5</sup> High School Pre-Calculus or MTH 30 is a prerequisite.

### CORE REQUIREMENTS

ENG 10 <sup>1</sup>	Fundamentals of Composition and Rhetoric	<b>OR</b>	
ENG 11	Composition and Rhetoric I		3
ENG 12	Composition and Rhetoric II		3
CMS 11	Fundamentals of Interpersonal Communication		3
HIS 10	History of the Modern World	<b>OR</b>	
HIS 11 <sup>2</sup>	Introduction to the Modern World		3
PEA	Physical Education	<b>OR</b>	
HLT 91	Critical Issues in Health		1-2
<b>Subtotal:</b>			<b>13-14</b>

### REQUIRED AREAS OF STUDY

ART 11	Introduction to Art	<b>OR</b>	
MUS 11	Introduction to Music	<b>OR</b>	
XXX <sup>3</sup>	Humanities	<b>OR</b> Social Science Elective	3
XXX <sup>4</sup>	Modern Language		0-8
MTH 31 <sup>5</sup>	Analytic Geometry and Calculus I		4
MTH 32	Analytic Geometry and Calculus II		5
CHM 11	General Chemistry I		4
CHM 22	General Chemistry with Qualitative Analysis II		5
<b>Subtotal:</b>			<b>21-29</b>

### PHYSICS OPTION

PHY 31	General Physics I		4
PHY 32	General Physics II		4
PHY 33	General Physics III		4
MTH 33	Analytic Geometry and Calculus III		5
<b>Subtotal:</b>			<b>17</b>

### FREE ELECTIVES

XXX	Free Electives to complete 60 credits		0-9
<b>Subtotal:</b>			<b>0-9</b>

**Total credits: 60**