MCLA in 4: Sample Degree Completion Plan*
PHYSICS – BACHELOR OF SCIENCE

First Year (Fall)

PHYS151	Introduction to Physics I (4)
MATH150	Precalculus (CMA)
ENGL150	College Writing II (CWR)
CSS1xx	Self & Society 100 level (CSS)
Elective	Free Elective

First Year (Spring)

PHYS152	Introduction to Physics II (4)
MATH220	Calculus I
CCCL100	Computing & Comm (CCL)
CCA1xx	Creative Arts 100 level (CCA)
CHH1xx	Human Heritage 100 level (CHH)

Second Year (Fall)

PHYS251	Introduction to Physics III (4)
MATH320	Calculus II
CSS2xx	Self & Society 200 level (CSS)
Elective	Free Elective (or MODL101)
PHED 1xx	Phys Ed activity class (1)

Second Year (Spring)

PHYS252	Introduction to Physics IV (4)
MATH330	Calculus III
CHH2xx	Human Heritage 200 level (CHH)
MODL102	Elementary Language II (CLA)
PHED 1xx	Phys Ed activity class (1)

Third Year (Fall)

PHYS301	Classical Mechanics I
PHYS351	Modern Physics I (4)
MATH430	Calculus IV or MATH380
CHEM150	Intro to Chemistry I (CSTL) (4)
CCA2xx	Creative Arts 200 level (CCA)

Third Year (Spring)

PHYS302	Classical Mechanics II
PHYS352	Modern Physics II (4)
PHYS303	Electricity & Magnetism
CHEM152	Intro to Chemistry II (CSTL) (4)

Fourth Year (Fall)

PHYS361	Mathematical Physics I
PHYS401	Advanced Physics Lab I
PHYS471	Quantum Mechanics
CCAP300	Tier III Core Capstone (CAP)
Elective	Free Elective

Fourth Year (Spring)

PHYS362	Mathematical Physics II
PHYS402	Advanced Physics Lab II
PHYS460	Statistical Thermodynamics
PHYS480	Physics Seminar
Elective	Free Elective

**This is a sample 4-year plan to complete the major(s) listed above. While we believe that this represents an accurate depiction of the requirements, there are other pathways to degree completion. We strongly recommend that you meet with your academic advisor(s) regularly to review your requirements and progress toward graduation.*

CORE CURRICULUM	code
Tier I Reading, Thinking, Writing	CWR
Tier I Quantitative Reasoning	CMA
Tier I Computing & Technology	CCL
Tier I Language Arts	CLA
Tier II Creative Arts	CCA
Tier II Human Heritage	CHH
Tier II Self & Society	CSS
Tier II Science & Technology	CSTL, CST
Tier III Core Capstone	CAP

ALL COURSES 3 credits unless noted (#)

MASSACHUSETTS COLLEGE OF LIBERAL ARTS
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MCLA in 4: Sample Degree Completion Plan*
PHYSICS – BACHELOR OF ARTS

First Year (Fall)

PHYS151	Introduction to Physics I (4)
MATH150	Precalculus (CMA)
ENGL150	College Writing II (CWR)
CSS1xx	Self & Society 100 level (CSS)
Elective	Free Elective

First Year (Spring)

PHYS152	Introduction to Physics II (4)
MATH220	Calculus I
CCCL100	Computing & Comm (CCL)
CCA1xx	Creative Arts 100 level (CCA)
CHH1xx	Human Heritage 100 level (CHH)

Second Year (Fall)

PHYS251	Introduction to Physics III (4)
MATH320	Calculus II
CSS2xx	Self & Society 200 level (CSS)
Elective	Free Elective (or MODL101)
PHED 1xx	Phys Ed activity class (1)

Second Year (Spring)

PHYS252	Introduction to Physics IV (4)
MATH330	Calculus III
CHH2xx	Human Heritage 200 level (CHH)
MODL102	Elementary Language II (CLA)
PHED 1xx	Phys Ed activity class (1)

Third Year (Fall)

PHYS351	Modern Physics I (4)
PHYSxxx	Physics Elective (upper level)
MATH430	Calculus IV or MATH380
CHEM150	Intro to Chemistry I (CSTL) (4)

Third Year (Spring)

PHYS352	Modern Physics II (4)
CHEM152	Intro to Chemistry II (CSTL) (4)
CCA2xx	Creative Arts 200 level (CCA)
Elective	Free Elective (upper level)
Elective	Free Elective

Fourth Year (Fall)

PHYS401	Advanced Physics Lab I
PHYSxxx	Physics Elective (upper level)
Elective	Free Elective (upper level)
Elective	Free Elective
Elective	Free Elective

Fourth Year (Spring)

PHYS480	Physics Seminar
CCAP300	Tier III Core Capstone (CAP)
Elective	Free Elective (upper level)
Elective	Free Elective
Elective	Free Elective

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Tier I Language Arts	CLA
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Tier II Science & Technology	CSTL, CST
Tier III Core Capstone	CAP

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MCLA CO-CURRICULAR AND CAREER PLANNING

First Year (Fall) AWARENESS

Visit CSSE, meet the staff, attend a workshop
Meet with your academic advisor
Attend the President's Ice Cream Social, explore opportunities to join clubs and organizations
Start your ePortfolio (biography, goals)
Attend a campus-wide lecture or discussion

Second Year (Fall) EXPLORATION

Update your resume - summer experiences
Explore several career paths in your major
Get involved with at least one club, activity, affinity group on campus
Volunteer in the community
Show your MCLA spirit, attend an event
Cultivate a relationship with a faculty mentor

Third Year (Fall) PLANNING

Grad school? Career? Do some research!
Start building your network
Gain experience in a potential career field
Use ePortfolio to showcase your MCLA experiences
Volunteer to assist with a campus event

Fourth Year (Fall) TRANSITION

Update your resume, compile professional references
Polish your professional image – social media, communication strategies, etc.
Mentor new MCLA students
Triple check your degree requirements
Attend a graduate school fair, take graduate school entrance exams in October
Complete an internship

First Year (Spring) ENGAGEMENT

Create a resume, upload it to your ePortfolio
Attend the Undergraduate Research Conference
Get involved with one club or organization
Participate in a community service event
Attend a CSSE sponsored workshop to enhance your skills, explore summer jobs, etc.

Second Year (Spring) REFINEMENT

Start your internship search
Plan ahead for travel course, study abroad, study away opportunities
Take on a leadership position at MCLA
Advance your interviewing skills
Help out with a service learning project
Expand your ePortfolio

Third Year (Spring) EXPERIENCE

Share your post-graduate ideas with your advisor
Make plans for an internship in your major
Attend a networking event or career fair
Go away! Travel course, off-campus internship, study away or abroad
Present at Undergraduate Research Conference

Fourth Year (Spring) GRADUATION

Apply for graduation, finish your ePortfolio
Write winning cover letters, search and apply for jobs
Participate in mock interviews
Attend on- and off-campus career fairs
Send thank you notes to inspirational faculty and staff
Walk across the stage and smile – you're a college graduate!

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