

Clark University—Program of Liberal Studies

The foundation of a Clark undergraduate education is the Program of Liberal Studies. Through this program, students acquire the intellectual habits, skills and perspectives that are essential for self-directed learning. They are given a framework within which they can select a program of study and receive a broad introduction to liberal and lifelong learning. Students have the option of fulfilling the requirements of the Program of Liberal Studies through the International Studies Stream, a special program, which consists of courses that prepare them to better understand global, political, cultural and economic issues.

This document provides Mount Wachusett Community College courses that meet the Liberal Studies program requirements.

The Program of Liberal Studies has two components:

1. **Critical Thinking Courses**
2. **Perspective Courses**

Critical Thinking Courses: While every course in the University involves work in critical thinking, two types of courses place special emphasis on the cultivation of these skills:

- A. **Verbal Expression**
- B. **Formal Analysis**

Students take one course in each area

- ❖ **Verbal Expression (1 course):** Verbal Expression courses place special emphasis on the relationship between writing and critical thinking within a particular discipline. VE = Verbal Expression.

ENG 102 English Composition II 3 credits **VE**

- ❖ **Formal Analysis (1 course):** Formal Analysis courses include the use of a formal, symbolic language as appropriate for a specific discipline, rules of logic for that language, and the use of that language for modeling the subject matter of the discipline. FA = Formal Analysis.

MAT 143 Statistics 4 credits **FA**

MAT 211 Calculus I 4 credits **FA**

Perspective Courses: Perspective courses offer breadth and introduce students to the different ways in which various disciplines or fields define thinking, learning and knowing. Students must successfully complete one course in each of the following six perspective categories, with each course taken in a different academic department.

1. **Aesthetic Perspective (1 course):** Aesthetic perspective courses emphasize artistic expression and the perception, analysis and evaluation of aesthetic form. These courses are designed to enhance students' appreciation and understanding of the arts. AP = Aesthetic Perspective.

ART 101	Introduction to Painting	3 credits	AP
ART 103	Introduction to Sculpture	3 credits	AP
ART 105	Introduction to Drawing	3 credits	AP
ART 109	Art History I	3 credits	AP
ART 110	Art History II	3 credits	AP
ART 241	Watercolor Painting	3 credits	AP
ART 251	Two Dimensional Design	3 credits	AP
ART 253	Painting I	3 credits	AP
ART 259	Ceramics I	3 credits	AP
ART 263	Drawing I	3 credits	AP
ART 271	Sculpture I	3 credits	AP
DAN 113	Modern Dance I	3 credits	AP
ENG 245	Film Appreciation	3 credits	AP
GID 101	Design Theory	3 credits	AP
MUS 106	History of Jazz	3 credits	AP
MUS 110	Music Appreciation	3 credits	AP
MUS 160	History of Rock and Roll	3 credits	AP
THE 101	Fundamentals of Acting I	3 credits	AP
THE 103	Introduction to Theatre	3 credits	AP

2. **Global Comparative Perspective (1 course):** Global Comparative Perspective courses introduce students to comparative analysis by exploring the cultural, political or economic aspects of human diversity around the world. They provide students with tools for analyzing human experience by examining similarities and differences in a global or international context. GP = Global Perspective.

ANT 111	Cultural Anthropology	3 credits	GP
ECO 101	Macroeconomics	3 credits	GP
GEO 129	World and Cultural Geography	3 credits	GP
HUM 240	Comparative Religion	3 credits	GP
HUM 260	The Art of Being Human I	3 credits	GP

3. **Historical Perspective (1 course):** Historical Perspective courses develop students' capacity to understand the contemporary world in the larger framework of tradition and history. Courses focus on the problems of interpreting the past and can also deal with the relationship between past and present. All courses are broad in scope and introduce students to the ways scholars think critically about the past, present and future. HP = Historical Perspective.

HIS 105	History of World Civilizations I	3 credits	HP
HIS 106	History of World Civilizations II	3 credits	HP
HIS 140	History of New England	3 credits	HP
HIS 201	History of United States I	3 credits	HP
HIS 202	History of United States II	3 credits	HP
HIS 240	History of Ideas I	3 credits	HP

4. **Language and Culture Perspective (1 course):** Language and Culture Perspective courses foster the study of languages as an expression of culture. Students may study foreign languages, which highlight the relationship between language and culture, or approved English-Language courses that deal with the same issue. LP = Language and Culture Perspective.

ASL 102	Basic American Sign Language II	3 credits	LP
ASL 103	Intermediate American Sign Language I	3 credits	LP
SPA 110	Beginning Spanish II	3 credits	LP
SPA 209	Intermediate Spanish I	3 credits	LP
SPA 210	Intermediate Spanish II	3 credits	LP

5. **Natural Scientific Perspective (1 course):** Scientific Perspective courses teach the principal methods and results of the study of the natural world. Courses focus on the knowledge and theoretical bases of science. They also include laboratories or similar components to introduce students to the observation of natural phenomena and the nature of scientific study. SP = Natural Science Perspective.

BIO 102	Introduction to Forestry	4 credits	SP
BIO 115	Human Biology	4 credits	SP
BIO 116	Ecology	4 credits	SP
BIO 120	Horticulture	4 credits	SP
BIO 122	Zoology: The Biology of Animals	4 credits	SP
BIO 130	Plant Science	4 credits	SP
BTC 101	Introduction to Biotechnology	4 credits	SP
CHE 107	General Chemistry I	4 credits	SP
CHE 108	General Chemistry II	4 credits	SP
EAS 115	Biogeology: History of Life	4 credits	SP
EAS 125	Physical Geology of the Earth	4 credits	SP
EAS 126	Weather and Climate	4 credits	SP
PHY 105	College Physics I	4 credits	SP
PHY 120	Physics for Engineering and Science I	4 credits	SP

6. **Values Perspective (1 course):** Values Perspective Courses examine the moral dimension of human life as reflected in personal behavior, institutional structures and public policy in global communities. Courses taught from the values perspective focus not only on the systematic formulation and analysis of moral and ethical claims, but also on how moral decisions affect both the individual and society. VP = Values Perspective.

BUS 105	Business Ethics	3 credits	VP
HUM 212	Medical Ethics	3 credits	VP
ISC 101	The Holocaust: Evil and Good in the Human Condition	3 credits	VP
PSY 280	Psychology of Death and Dying	3 credits	VP

Courses from MWCC approved transferable to Clark

ACCOUNTING:

ACC 101 Principles of Accounting I 3 credits

ACC 102 Principles of Accounting II 3 credits

ACC 224 Taxation 3 credits

ACC 226 Managerial Accounting I 3 credits

ACC 227 Computerized Accounting 3 credits

ACC 236 Managerial Accounting II 3 credits

AMERICAN SIGN LANGUAGE:

ASL 101 Basic American Sign Language I 3 credits

ASL 102 Basic American Sign Language II 3 credits **LP**

ASL 103 Intermediate American Sign Language I 3 credits **LP**

ANTHROPOLOGY:

ANT 111 Cultural Anthropology 3 credits **GP**

ART:

ART 101 Introduction to Painting 3 credits **AP**

ART 103 Introduction to Sculpture 3 credits **AP**

ART 105 Introduction to Drawing 3 credits **AP**

ART 109 Art History I 3 credits **AP**

ART 110 Art History II 3 credits **AP**

ART 113 Introduction to Studio 3 credits

ART 241 Watercolor Painting 3 credits **AP**

ART 242 Advanced Watercolors 3 credits

ART 251 Two Dimensional Design 3 credits **AP**

ART 252 Three Dimensional Design 3 credits

ART 253 Painting I 3 credits **AP**

ART 254 Painting II 3 credits

ART 257 Painting III 3 credits

ART 259 Ceramics I 3 credits **AP**

ART 260 Ceramics II 3 credits

ART 263 Drawing I 3 credits **AP**

ART 264 Drawing II 3 credits

ART 269 Drawing III 3 credits

ART 270 Drawing IV 3 credits

ART 271 Sculpture I 3 credits **AP**

ART 272 Sculpture II 3 credits

ART 273 Sculpture III 3 credits

ART 274 Sculpture IV 3 credits

ART 284 Ceramics III 3 credits

ART 285 Ceramics IV 3 credits

ART 286 Printmaking I 3 credits

ART 287 Printmaking II 3 credits

ART 291 Printmaking III 3 credits

BIOLOGY:

BIO 101 Introduction to Nutrition 3 credits

BIO 102 Introduction to Forestry 4 credits **SP**

BIO 103 Human Health and Disease 3 credits

BIO 104 Introduction to Natural Resource Conservation 4 credits

BIO 105 Current Topics in Biological Science 3 credits

BIO 109 Biology I 4 credits **SP**

BIO 110 Biology II 4 credits

BIO 112 Biology of Cancer 3 credits

BIO 115 Human Biology 4 credits **SP**

BIO 116 Ecology 4 credits **SP**

BIO 117 Emerging Diseases: Past and Present 3 credits

BIO 120 Horticulture 4 credits **SP**

BIO 122 Zoology: The Biology of Animals 4 credits **SP**

BIO 128 Plants and Society 3 credits

BIO 130 Plant Science 4 credits **SP**

BIO 140 Introduction to Greenhouse Management 4 credits

BIO 141 Fundamentals of Sustainable Agriculture 4 credits

BIO 145 Introduction to Field Biology 4 credits

BIO 152 Essentials of Anatomy and Physiology 4 credits

BIO 160 Principles of Biochemistry 4 credits

BIO 170 Cell Biology 4 credits

BIO 199 Anatomy and Physiology I 4 credits

BIO 204 Anatomy and Physiology II 4 credits

BIO 205 Microbiology 4 credits

BIO 209 Human Sexuality 3 credits

BIO 220 Soil Science 4 credits

BIO 230 Nutrition, Health and Sustainability 3 credits

BIO 240 Survey of Diseases 3 credits

BIOTECHNOLOGY/ BIOMANUFACTURING

BTC 101 Introduction to Biotechnology 4 credits **SP**

BTC 102 Basic Laboratory Techniques 3 credits

BTC 110 Biotechnology Experience: Concepts and Procedures 4 credits

BTC 120 Biotechnology Experience: Biomanufacturing 4 credits

BTC 170 Cell Culture Techniques 4 credits

BTC 185 Industrial Microbiology 4 credits

BTC 190 Principles of Protein Purification 4 credits

BTC 191 Quality and Compliance 3 credits

BTC 200 Biotechnology Seminar 3 credits

BUSINESS:

BUS 105 Business Ethics 3 credits **VP**

BUS 108 Principles of Real Estate 3 credits

BUS 201 International Business 3 credits

BUS 211 Business Law I 3 credits

BUS 212 Business Law II 3 credits

BUS 220 The Business of Social Change 3 credits

CHEMISTRY:

CHE 107 General Chemistry I 4 credits **SP**

CHE 108 General Chemistry II 4 credits **SP**

CHE 120 Environmental Chemistry 4 credits

CHE 180 Instrumental Analysis 4 credits

CHE 203 Introduction to Inorganic, Organic and Biochemistry 4 credits

CHE 207 Organic Chemistry I 4 credits

CHE 108 Organic Chemistry II 4 credits

COMPUTER ASSISTED DESIGN:

CAD 101 Introduction to Computer Assisted Design 3 credits

CAD 102 Architectural Computer Assisted Design 3 credits

COMPUTER INFORMATION SYSTEMS

CIS 109 Programming in Basic 3 credits

CIS 110 Advanced Programming in Basic 3 credits

CIS 118 Mobile and Web Development 3 credits

CIS 119 Javascript for Web Designers 3 credits

CIS 130 Programming for the Web 3 credits

CIS 131 Linux Programming 4 credits

CIS 208 Mobile and Web Development 3 credits

CIS 232 Programming C++ 3 credits

CIS 245 Internetworking II 4 credits

CIS 290 Java I 3 credits

CIS 292 Java II 3 credits

CRIMINAL JUSTICE:

CJU 131 Introduction to Criminal Justice 3 credits

CJU 133 Criminal Law 3 credits

CJU 134 Criminal Procedure 3 credits

CJU 140 American Policing 3 credits

CJU 232 Introduction to Criminology 3 credits

DANCE:

DAN 113 Modern Dance I 3 credits **AP**

DAN 114 Modern Dance II 3 credits

DAN 120 Musical Theater Dance Styles 3 credits

DAN 133 Hip Hop/ Street Dance Foundation 3 credits

DAN 192 Dance Improvisation and Movement Exploration 3 credits

EARTH SCIENCE:

EAS 115 Biogeology: History of Life 4 credits **SP**

EAS 123 The Dinosaurs 3 credits

EAS 125 Physical Geology of the Earth 4 credits **SP**

EAS 126 Weather and Climate 4 credits **SP**

ECONOMICS:

ECO 101 Macroeconomics 3 credits **GP**

ECO 102 Microeconomics 3 credits

ENGLISH:

ENG 101 English Composition I 3 credits

ENG 102 English Composition II 3 credits **VE**

ENG 106 Technical Writing 3 credits

ENG 201 Honors English: American Romanticism 3 credits

ENG 203 Twentieth Century American Authors 3 credits

ENG 205 Shakespeare 3 credits

ENG 210 Literature of the Sixties 3 credits

ENG 213 American Literature I 3 credits

ENG 214 American Literature II 3 credits

ENG 221 Women's Literature 3 credits

ENG 224 Mystery Fiction 3 credits

ENG 227 English Literature I 3 credits

ENG 228 English Literature II 3 credits

ENG 233 Science Fiction 3 credits

ENG 235 Children's Literature 3 credits

ENG 236 Modern Drama 3 credits

ENG 237 Special Topics: Queer American Drama 3 credits

ENG 239 Creative Writing: Fiction 3 credits

ENG 230 Creative Writing: Poetry 3 credits

ENG 241 Journalism I: Media Writing 3 credits

ENG 242 Journalism II: Advancing Newswriting 3 credits

ENG 245 Film Appreciation 3 credits **AP**

ENG 251 Introduction to Public Relations 3 credits

ENG 252 Shakespeare & Star Wars: A Study of Tragedy through Drama and Film 3 credits

ENG 259 Literary Masterpieces I 3 credits

ENG 260 Literary Masterpieces II 3 credits

ENG 261 Short Story 3 credits

ENG 265 Great Writers of Harlem 3 credits

ENG 289 American Romanticism 3 credits

FINANCE:

FIN 250 Basic Finance 3 credits

FRENCH:

FRE 107 French I 3 credits

GEOGRAPHY:

GEO 129 World and Cultural Geography 3 credits **GP**

GRAPHIC AND INTERACTIVE DESIGN:

GID 101 Design Theory 3 credits **AP**

GID 104 Digital Imaging 3 credits

GID 109 Introduction to Web Design 3 credits

GID 113 Interactive Web Design 4 credits

GID 115 Digital Illustration 3 credits

GID 117 Typography in Visual Communication 3 credits

GID 170 Introduction to Animation 3 credits

GID 175 Digital Photo Art 3 credits

GID 177 Designing Business Graphics 3 credits

GID 202 Publication Design 3 credits

GID 204 Advanced Digital Imaging 3 credits

GID 209 Advanced Web Design 3 credits

GID 216 Motion Graphics for Interactive Media 3 credits

HISTORY

HIS 105 History of World Civilizations I 3 credits **HP**

HIS 106 History of World Civilizations II 3 credits **HP**

HIS 113 History of Contemporary Issues 3 credits

HIS 121 History of the Constitution 3 credits

HIS 123 History of Modern America 3 credits

HIS 125 American Ethnic History 3 credits

HIS 140 History of New England 3 credits **HP**

HIS 201 History of United States I 3 credits **HP**

HIS 202 History of United States II 3 credits **HP**

HIS 240 History of Ideas I 3 credits **HP**

HUMANITIES:

HUM 212 Medical Ethics 3 credits **VP**

HUM 240 Comparative Religion 3 credits **GP**

HUM 260 The Art of Being Human I 3 credits **GP**

HUM 283 Honors Colloquium 3 credits

INTERDISCIPLINARY STUDIES:

ISC 101 The Holocaust: Evil and Good in the Human Condition 3 credits **VP**

ISC 102 Mass Media and Political Elections 3 credits

ISC 210 Critical Thinking 3 credits

ISC 230 Advanced Multimedia Production 3 credits

LEGAL STUDIES:

LAW 101 Introduction to Law 3 credits

LAW 104 Introduction to Family Law 3 credits

LAW 106 Introduction to Real Estate Law 3 credits

LAW 110 Litigation 3 credits

LAW 220 Insurance to Law 3 credits

LAW 230 The Law of Torts 3 credits

LAW 250 Legal Research and Writing I 3 credits

LAW 251 Legal Research and Writing II 3 credits

LAW 270 Legal Studies Seminar 3 credits

MANAGEMENT:

MGT 110 Small Business Management 3 credits

MGT 115 Financial Management for Small Business 3 credits

MGT 132 Principles of Production 3 credits

MGT 201 Total Quality Management 3 credits

MGT 210 Principles of Management 3 credits

MGT 235 Human Resources Management 3 credits

MGT 250 Strategic Management 3 credits

MARKETING:

MKT 142 Marketing 3 credits

MKT 142 Retail Management 3 credits

MKT 241 Advertising 3 credits

MKT 244 Sales Management 3 credits

MATHEMATICS:

MAT 143 Statistics 4 credits **FA**

MAT 162 Introduction to Functions and Modeling 4 credits

MAT 163 Pre-Calculus 4 credits

MAT 211 Calculus I 4 credits **FA**

MAT 212 Calculus II 4 credits

MAT 213 Calculus III 4 credits

MECHANICAL ENGINEERING:

MET 105 Blueprint Reading 3 credits

MEDIA ARTS AND TECHNOLOGY:

MRT 105 Introduction to Mass Media 3 credits

MRT 110 Fundamentals of Video Production 3 credits

MRT 111 Media Theory and Practices 3 credits

MRT 112 Introduction to Audio Production 3 credits

MRT 121 TV Studio Operations and Multicamera Production 3 credits

MRT 122 Fundamentals of Audio Postproduction 3 credits

MRT 208 Scriptwriting 3 credits

MRT 209 Broadcast Journalism 3 credits

MRT 211 Advanced Audio Production 3 credits

MRT 214 Media Arts and Technology Operations and Management 3 credits

MRT 216 Digital Cinematography 3 credits

MRT 217 Critical Listening for Audio Engineers 3 credits

MRT 224 Music Recording and mixing Techniques 3 credits

MRT 227 Advanced Television Production 3 credits

MRT 229 Editing Digital Video 3 credits

MRT 235 DVD Authoring 3 credits

MUSIC:

MUS 106 History of Jazz 3 credits **AP**

MUS 110 Music Appreciation 3 credits **AP**

MUS 160 History of Rock and Roll 3 credits **AP**

NATURAL RESOURCES:

NRD 232 Global Environmental Issues 3 credits

PHILOSOPHY:

PHL 201 Introduction to Philosophical Issues 3 credits

PHL 210 Levels of Being 3 credits

PHOTOGRAPHY:

PHO 106 Introduction to Digital Photography 3 credits

PHO 215 Advanced Digital Photography 3 credits

PHO 216 Photojournalism 3 credits

PHO 225 Introduction to Film Photography 3 credits

PHO 226 Advanced Film Photography 3 credits

PHO 240 Portrait Photography 3 credits

PHO 245 Commercial Photography 3 credits

PHO 250 Digital Photography Workflow 3 credits

PHYSICS:

PHY 105 College Physics I 4 credits **SP**

PHY 106 College Physics II 4 credits

PHY 120 Physics for Engineering and Science I 4 credits **SP**

PHY 121 Physics for Engineering and Science II 4 credits

POLITICAL SCIENCE:

POL 205 American National Government 3 credits

POL 210 American International Relations 3 credits

POL 211 Massachusetts and the Federal System 3 credits

POL 250 Political Thought in America 3 credits

PSYCHOLOGY:

PSY 105 Introduction to Psychology 3 credits

PSY 108 Child Development 3 credits

PSY 110 Human Growth and Development 3 credits

PSY 112 Developmental Dynamics 3 credits

PSY 240 Abnormal Psychology 3 credits

PSY 244 Children with Special Needs 3 credits

PSY 246 Psychology and the Law 3 credits

PSY 280 Psychology of Death and Dying 3 credits **VP**

PSY 290 The Psychology of Aging 3 credits

SOCIOLOGY:

SOC 103 Introduction to Sociology 3 credits

SOC 125 Gender Issues 3 credits

SOC 129 Drug Use and Abuse in American Society 3 credits

SOC 205 Social Problems 3 credits

SOC 206 Marriage and the Family 3 credits

SOC 208 Juvenile Delinquency 3 credits

SOC 210 Child Abuse and Neglect in American Society 3 credits

SOC 212 Victimology 3 credits

SPANISH:

SPA 109 Beginning Spanish I 3 credits

SPA 110 Beginning Spanish II 3 credits **LP**

SPA 209 Intermediate Spanish I 3 credits **LP**

SPA 210 Intermediate Spanish II 3 credits **LP**

SPECIAL TOPICS-SOCIAL SCIENCE

SSC 120 Perspectives on Leadership 3 credits

SPEECH:

SPC 113 Speech 3 credits

THEATRE:

THE 101 Fundamentals of Acting I 3 credits **AP**

THE 103 Introduction to Theatre 3 credits **AP**

THE 106 Fundamentals of Acting II 3 credits

THE 207 Styles of Drama 3 credits