

programs of study



Programs of Study Listing

LETTERS OF RECOGNITION

A+ Skills Training
American Studies
Art History
Basic Defense Contracting Specialist
Child-Care Provider
Choral Conducting Assistant
*Clerical Assistant
*Computer Office Skills
Criminal Justice
Digital Imaging Assistant
*Drafting
*Driving Skills I
*Driving Skills II
Energetic Materials Production
Environmental Management
Environmental Planning
*Financial Office Assistant
*First-Level Manager
Leadership Skills
Legal Transcription
Manufacturing Automation
*Medical Administrative Assistant
*Medical Transcription
Phlebotomy Technician
Photographic Assistant
Physical Therapy Aide
School-Age Child Care
Security Management
Small Business Management
Studio Arts Assistant
Women's Cultural Studies

OTHER

Pre-Clinical Practical Nursing ^(H)
Pre-Clinical Associate Degree Nursing ^(H)
Pre-Physical Therapist Assistant ^(H)
Pre-Radiography
Pre-Respiratory Therapy

^(S) Statewide Programs

^(H) Healthmanpower Shortage

CERTIFICATE PROGRAMS

Accounting: Basic
Accounting: Advanced
Basic Computer-Aided Drafting
Commercial Vehicle Operator ^(S)
Computer Art/Digital Imaging
Computer Skills for Managers
Criminal Justice
Early Childhood Development
Electronics Technology: Basic
Electronics Technology:
 Communications
Electronics Technology:
 Microprocessor
Emergency Medical Services:
 Intermediate ^(H)
Emergency Medical Services:
 Paramedic ^(H)
Engineering Technology
Environmental Planning
Environmental Technology
General Studies: Transfer
Geographic Information Systems
 Technology
Human Services:
 Alcohol and Drug Counseling
Human Services:
 Mental Health Technician
Information Processing
Information Services Technology
Management Development
Management Development: Marketing
Manufacturing Technology
Medical Assisting ^(H)
Medical Coding Specialist ^(H)
Office Technology
Practical Nursing ^(H)
Professional Communication
Security Management ^(S)
Studio Recording Technology: Basic
Studio Recording Technology: Advanced
Technical Support
Web Developer

ASSOCIATE OF APPLIED SCIENCE PROGRAMS

Accounting
Computer Programming
Criminal Justice
Early Childhood Development
Electric Power Technician
Electronics Technology
Emergency Medical Services ^(H)
Engineering Technology
Engineering Technology: Manufacturing
Environmental Technology
Fire Science Technology
Human Services
Information Services Technology
Information Services Technology:
 MCSE

Information Services Technology:
 Web Developer
Information Services Technology:
 Wireless Communications
Management Development
Massage Therapy ^(S)
Paralegal Studies
Physical Therapist Assistant ^(H)

ASSOCIATE OF ARTS PROGRAMS

Arts and Sciences
(*Degree Options*)
•Applied Science
 and Technology
•Art
•Arts and Humanities
•Biological Sciences
•Biotechnology
•Cultural Studies
•Pre-Dental Hygiene
•History
•Mathematics/Physical
 Sciences
•Music
•Pre-Nursing
•Philosophy
•Social Sciences
•Spanish
•Theatre and Dance

General Studies
(*Degree Options*)
•Communication
•Criminal Justice
•Elementary Teacher Education
•English
•Environmental Management
•Journalism
•Speech Communication

Teacher Education:
•Early Childhood
•Elementary
•Secondary

ASSOCIATE OF ARTS IN TEACHING

Associate of Arts in Teaching:
 Elementary

ASSOCIATE OF SCIENCE PROGRAMS

Business Administration
Business Administration:
 Technical Management
Computer Science
Engineering
Engineering Consortium
Nursing ^(H)
Sport Management

General Education Requirements

The college defines **general education** in the following ways: 1) by the required array of specified general education courses in all degree programs, and 2) by the skills and categories of knowledge, specified by the faculty, which those courses incorporate.

Students who enroll in a degree program at the college will learn quickly that **a portion of the required courses is referred to as general education**. These courses will range from 20 to 34 credits, depending on the program selected. Whatever the number, they will be selected from the same list of courses, which are grouped below under the following headings: *Arts; Humanities; English Composition; Social and Behavioral Sciences; Mathematics; Biological and Physical Sciences; Interdisciplinary and Emerging Issues*.

This course distribution is intended to ensure that students have mastered fundamental skills and have demonstrated a familiarity with a core knowledge considered basic to all college-level work.

These **general education** course credits are transferable to all two- and four-year public institutions (and many private institutions as well) in Maryland and are guaranteed so in Maryland Student Transfer Policies (contained in Appendix III of this catalog).

For students enrolling in an A.A. or A.S. program, the general education portion of the program constitutes 31 to 34 credits in the following distribution:

	Credits
English Composition	3
Arts and Humanities	6 (from 2 different disciplines)
Communications ¹	3
Biological and Physical Sciences ²	7 (including 1 lab)
Social and Behavioral Sciences	6 (from 2 different disciplines)
Mathematics	3
Electives (from above categories and/or Interdisciplinary and Emerging Issues)	3 - 6

¹not required in Engineering

²four credits must include a lecture with a corresponding lab. Some transfer institutions require students to take one science from biology and one from physical sciences.

For students enrolling in an A.A.S program, the general education portion of the program constitutes at least 20 credits in the following distribution:

	Credits
English Composition	3
Social and Behavioral Sciences	3
Arts and Humanities	3
Biological and Physical Sciences	3
Mathematics	3
Electives (from above categories and/or Interdisciplinary and Emerging Issues)	5

Unless the program specifies a particular general education course, students may select from among the following courses in the distributions below:

General Education Courses

ARTS

ART

- ART 1010 - History of Western Art I (3)
- ART 1020 - History of Western Art II (3)
- ART 1030 - Introduction to Art Appreciation (3)
- ART 1200 - Basic Design (3)
- ART 1210 - Color Theory and Practice (3)
- ART 2611 - Introduction to the History of Photography (3)
- ART 2612 - Introduction to the History of Western Architecture (3)
- ART 2614 - History of American Art I (3)
- ART 2616 - History of American Art II (3)
- ART 2620 - The Art of Ancient Americas (3)

DANCE

- DAN 1210 - History of Western Dance (3)

MUSIC

- MUS 1020 - Music Appreciation (3)
- MUS 1120 - Music Business I (3)
- MUS 1130 - Music Business II (3)
- MUS 1201 - Music of the Eighteenth and Nineteenth Centuries (3)
- MUS 1202 - A Survey of Twentieth Century American Music (3)
- MUS 1203 - History of Jazz (3)

THEATRE

- THE 1010 - Introduction to Play Production (3)
- THE 2410 - Major Movements in Western Theatre (3)

HUMANITIES

COMMUNICATIONS

- COM 1010 - Basic Principles of Speech Communication (3)
- COM 1250 - Introduction to Interpersonal Communication (3)
- COM 1350 - Intercultural Communication (3)
- COM 1450 - Groups, Teams, and Leadership (3)

ENGLISH

- ENG 1020 - Composition and Literature (3)
- ENG 1030 - Composition and Nonfiction Prose (3)

ENGLISH LITERATURE

- ENG 2010 - English Literature I (3)
- ENG 2020 - English Literature II (3)
- ENG 2030 - Introduction to Literature: Short Novel and Novel (3)
- ENG 2270 - Latin American Literature and Film (3)
- ENG 2040 - Introduction to Drama (3)
- ENG 2070 - Introduction to Poetry (3)
- ENG 2140 - The Film as an Art Form (3)
- ENG 2145 - American Cinema/American Culture (3)
- ENG 2200 - American Literature I (3)
- ENG 2210 - American Literature II (3)
- ENG 2230 - Connections: Contemporary Writers and Issues (3)
- ENG 2235 - Contemporary American Poetry (3)
- ENG 2240 - African-American Literature (3)
- ENG 2250 - Women Writers (3)
- ENG 2260 - Ethnic American Literature (3)
- ENG 2270 - Latin American Literature and Film (3)
- ENG 2320 - World Literature I (3)
- ENG 2330 - World Literature II (3)
- ENG 2810 - The Vietnam War in Film and Literature (3)

HISTORY

- HST 1010 - History of Western Civilization to 1300 (3)
- HST 1012 - History of Western Civilization II, 1300-1815 (3)
- HST 1014 - History of Western Civilization III (3)
- HST 1016 - Women in Europe (3)
- HST 1040 - History of Business Development in America (3)
- HST 1050 - The American Experience (3)
- HST 1060 - History of African Americans (3)
- HST 1031 - The United States to 1877 (3)
- HST 1032 - The United States Since 1877 (3)
- HST 1034 - History of Women in America (3)
- HST 1036 - The U.S. and 20th Century World Affairs (3)
- HST 1038 - History of Maryland (3)

PHILOSOPHY

- PHL 1010 - Introduction to Philosophy (3)
- PHL 1020 - Introduction to Logic (3)
- PHL 1030 - Introduction to Religion (3)
- PHL 1050 - Science and Human Understanding (3)
- PHL 1400 - Social Ethics (3)
- PHL 1410 - Topics in Contemporary Ethics (3)
- PHL 1420 - Law and Society (3)
- PHL 1430 - Business Ethics (3)

ENGLISH COMPOSITION

ENGLISH

ENG 1010 - Composition and Rhetoric (3)

SOCIAL AND BEHAVIORAL SCIENCES

COMMUNICATIONS

COM 1020 - Introduction to Mass Communication (3)

ECONOMICS

ECN 1015 - Business in a Market Economy (3)

ECN 1500 - U.S. Economic History (3)

ECN 2010 - Principles of Economics I (3)

ECN 2020 - Principles of Economics II (3)

ECN 2100 - International Economics (3)

ENVIRONMENTAL SCIENCE

ENV 1400 - Environmental Law and Regulations (3)

GEOGRAPHY

GRY 1050 - World Regional Geography (3)

GRY 1100 - Introduction to Geography (3)

GRY 2020 - Introductory Cultural Geography (3)

GRY 2050 - Maps and Mapping (3)

POLITICAL SCIENCE

POL 1010 - American Government (3)

POL 1050 - Introduction to Government and Politics (3)

POL 2010 - State and Local Government (3)

POL 2020 - International Relations (3)

POL 2040 - Political Ideologies (3)

POL 2110 - Social Policy (3)

PSYCHOLOGY

PSY 1010 - General Psychology (3)

PSY 2050 - Human Development Through the Life Span (3)

SOCIOLOGY

SOC 1010 - Introduction to Sociology (3)

SOC 2010 - Technology and Society (3)

SOC 2100 - Social Problems (3)

MATHEMATICS

MATHEMATICS

MTH 1100 - College Mathematics I (3)

MTH 1105 - College Math with Algebra (3)

MTH 1110 - college Mathematics II (3)

MTH 1120 - College Algebra (3)

MTH 1130 - College Analytic Trigonometry (3)

MTH 1150 - Precalculus Algebra and Trigonometry (4)

MTH 1200 - Calculus I and Analytic Geometry (4)

MTH 1560 - Elementary Calculus (3)

MTH 2300 - Introduction to Statistics (3)

BIOLOGICAL SCIENCES

ASTRONOMY

AST 1010 - Introduction to Astronomy (3)

BIOLOGY

BIO 1010/1010L - Botany (4)

BIO 1020/1020L - Zoology (4)

BIO 1040/1040L - Introduction to Human Anatomy and Physiology (4)

BIO 1060/1060L - Principles of Biology I (4)

BIO 1070/1070L - Principles of Biology II (4)

BIO 1080 - Biology and Ecology of the Chesapeake Bay (3)

BIO 1200 - Introduction to Oceanography (3)

BIO 2010/2010L - Microbiology (4)

BIO 2017/2017L - General Ecology (4)

BIO 2030/2030L - Marine Biology (4)

BIO 2040/2040L - Principles of Genetics (4)

BIO 2070/2070L - Integrated Human Anatomy and Physiology I (4)

BIO 2080/2080L - Integrated Human Anatomy and Physiology II (4)

BIO 2560 - Tropical Marine Ecology (4)

PHYSICAL SCIENCES

CHEMISTRY

- CHE 1200/1200L - General Chemistry I (4)
- CHE 1210/1210L - General Chemistry II (4)
- CHE 1230/1230L - Principles of Organic and Biochemistry (4)
- CHE 2200/2200L - Organic Chemistry I (4)
- CHE 2210/2210L - Organic Chemistry II (4)

ENVIRONMENTAL SCIENCE

- ENV 1010 - Earth Science (4)
- ENV 1300/1300L - Environmental Science (4)
- ENV 1500 - Environmental Management (3)

GEOLOGY

- GEO 1010/1010L - Physical Geology (4)

GEOGRAPHY

- GRY 1110/GRY 1110L - Introduction to Physical Geography (4)

PHYSICS

- PHY 1010/1010L - Fundamentals of Physics I (4)
- PHY 1020/1020L - Fundamentals of Physics II (4)
- PHY 1210/1210L - General Engineering Physics I (4)

INTERDISCIPLINARY AND EMERGING ISSUES

- ART 2618 - Art of Native Cultures (3)
- FRE 1050 - The Culture of France (3)
- HST 1030 - Global Perspectives (3)
- INE 2002 - Customs, Traditions, and Celebrations:
The Human Drive for Community (3)
- INE 2003 - Honors Seminar - Dimensions and Directions
of Health: Choices in the Maze (3)
- INE 2005 - Honors Seminar—Popular Culture: Shaping and
Reflecting Who We Are (3)
- ITS 1015 - The Information Age: Emerging Technologies (3)
- ITS 2940 - Cyber Ethics (3)
- LAN 1050 - Cultures of Africa (3)
- LAN 1080 - Popular Culture (3)
- SOC 2220 - Sex Roles and Gender (3)
- SOC 2310 - Race and Ethnic Relations (3)
- SPA 1050 - The Cultures of the Americas (3)
- SPA 1051 - The Cultures of Puerto Rico (3)
- SPA 1052 - The Culture of Belize (3)
- SPA 1053 - The Cultures of Spain (3)
- TED 2030 - Introduction to Education (3)
- WFS 1700/1700L - Personalized Health and Fitness (3)

Skills and Categories of Knowledge

The faculty has developed a list of skills and categories of knowledge which shape the development of these general education courses. The faculty believes that the knowledge gained from these courses should be common among all CSM degree holders. As students take these courses, they will see described on the course syllabi the particular skills and categories of knowledge to be learned. Students are graded on the extent to which they have mastered these.

Faculty Statement on General Education in Associate's Degree Programs

The faculty considers general education to be a common body of skills and knowledge to which all graduates with associate's degrees should be exposed and for which the college may determine certain levels of competency.

Academic Skills

Reading

Graduates should be able to:

1. read college-level material
2. define or interpret unfamiliar words
3. use features such as a table of contents, index, appendix, glossary, and subtitles
4. adjust reading style to type of material
5. identify the main components and the supporting evidence
6. recognize the purpose, method, and tone of a written work
7. interpret inferentially as well as literally
8. evaluate written material to reach conclusions
9. synthesize information and concepts gained from reading

Writing

Graduates should be able to:

10. write complete sentences, proofread and edit, punctuate, and spell in standard English
11. conceive ideas, select materials, and organize contents effectively for a purpose
12. choose style and contents appropriate to audience and purpose
13. write a unified, coherent academic essay, correct in structure and mechanics, which supports a clear, limited thesis
14. write a coherent research paper, including gathering information, taking notes, quoting, paraphrasing and summarizing accurately, and documenting sources properly

Mathematics

Graduates should be able to:

15. perform mathematical operations accurately
16. make mathematical estimates and approximations to judge the reasonableness of results
17. interpret graphs, tables, and charts
18. understand mathematical information and relationships stated in words
19. utilize appropriate mathematical models to solve problems while recognizing the assumptions and limitations of the models

Computer

Graduates should be able to:

20. describe the functions and applications of a computer system
21. identify the major hardware components of a computer system
22. use microcomputer software programs

Observation

Graduates should be able to:

23. conduct careful, thoughtful observations of objects and phenomena in nature, society, science, and art
24. select and use appropriate instruments to measure and observe objects and phenomena
25. describe their observations and measurements accurately using appropriate terms and units
26. interpret and draw appropriate conclusions based on their observations and measurements
27. evaluate the significance of the conclusions reached

Learning

Graduates should be able to:

28. set study goals and priorities to attain stated course objectives
29. plan for completion of both long-term and short-term assignments
30. prepare for different types of examinations or evaluations
31. adapt to a variety of methods of instruction
32. locate and use resources outside the classroom
33. ask pertinent questions
34. accept constructive criticism and learn from it
35. apply appropriate theories to solve problems

Speaking

Graduates should be able to:

36. express their needs and expectations clearly
37. ask and answer questions effectively
38. give clear directions
39. organize and present ideas and feelings in language appropriate to the situation and audience
40. use nonverbal skills appropriately

Listening

Graduates should be able to:

41. interpret, analyze, and evaluate spoken messages
42. identify the main and subordinate ideas in spoken messages
43. recognize the use and meaning of nonverbal messages
44. distinguish between informative and persuasive spoken messages
45. recognize when another does not receive or understand a spoken message
46. follow spoken instructions

Interpersonal Communication

Graduates should be able to:

47. recognize and seek to resolve interpersonal conflicts
48. recognize and respect cultural diversity
49. accurately describe another's point of view, even if it is different from one's own
50. behave appropriately in a variety of social situations
51. engage in constructive discussion

Reasoning

Graduates should be able to:

52. recognize valid and invalid reasoning
53. understand and use inductive and deductive reasoning
54. draw reasonable conclusions from information found in various sources
55. distinguish between fact, opinion, and inference
56. develop, present, and defend valid arguments
57. identify, define, evaluate, and solve problems
58. compare, contrast, and classify information and concepts
59. recognize cause and effect

Categories of Knowledge

Political/Historical

Graduates should:

60. have a basic understanding of the organization and functions of the local, state, and federal governments in the United States
61. be aware of historical, philosophical, and ideological foundations of major systems of government and social organizations in the world

Cultural/Social

Graduates should:

62. have a basic understanding of how individuals and groups behave, develop, and function
63. know about major cultures, religions, and ethnic groups of the world
64. have an awareness of philosophies and religions and their influence on cultures of the world
65. understand that cultures around the world are influenced by myths, rituals, and shared beliefs
66. be familiar with the visual, literary, and musical arts and other forms of artistic and cultural expression

Economic

Graduates should:

67. be familiar with basic economic principles and global economic systems
68. be aware of the role played by business, consumers, and government in influencing the global economy

Natural/Technological

Graduates should:

69. understand methodologies of natural science
70. have a basic knowledge of local, national, and world geography
71. be familiar with how technology and human activities shape society and the environment
72. have a basic understanding of how the body functions and how to maintain health

(Revised by the Faculty Senate, Fall 1995)