Transfer/Degrees and Programs

NJC
NORTHEASTERN
JUNIOR COLLEGE

To be Colorado's premier two-year college of choice through excellence in education.

TRANSFER PROGRAMS

FOUR-YEAR COLLEGE OR UNIVERSITY TRANSFER CURRICULA

Transfer programs are offered to students planning to continue at a senior institution and earn the bachelor's degree. Any student who expects to transfer to a senior college from Northeastern Junior College is advised to write to the registrar of the proposed college(s) or university(s) for specific information concerning course work to be taken while attending NJC. Students who desire to pursue academic programs other than those listed should consult a counselor or faculty advisor for assistance in planning an appropriate program of study. Final responsibility for choice of program and individual course selections, however, rests with the student.

Acceptance, number of transferable credits and class standing are always at the discretion of the institution to which the student plans to transfer. Private and public four-year colleges and universities, as well as out-of-state institutions, reserve the right to handle each case individually and to evaluate all course work completed as it relates to their requirements.

The college reserves the right to substitute courses for those no longer offered, to modify course content at any time, to approve the substitution of one course for another in any program or degree, or waive any course prerequisite or corequisite.

STATEWIDE TRANSFER POLICY

- Transfer of Associate of Arts and Associate of Science Degrees. Effective for students who enter in the Fall 2003 semester, Colorado public four-year higher education institutions will honor the transfer of an Associate of Arts (AA) degree and the Associate of Science (AS) degree earned at a Colorado community college. A student who earns an AA or AS degree at a Colorado public community college including completing the state guaranteed general education courses, with a grade of C or better in all courses will transfer with junior standing into any arts and science degree program offered by a Colorado public four-year college. The credits earned in the associate degree program will apply at minimum to 35 credit hours of lower division general education and 25 credit hours additional graduation credits. Since 1988 Colorado has had an operating two-plus-two transfer

agreement that ensures a student who completes an AA or AS degree with a C or better in all courses will have junior standing, that is transfer 60 credit hours. Because all liberal arts and sciences degrees are designed to be completed in 120 credit hours, a transfer student can complete a four-year degree in the same time as a native student, 120 hours. The receiving institution will evaluate credit for prior learning, Advanced Placement, and correspondence courses following its standard policy.

- Transfer of General Education
  Colorado's state guarantee general education courses are designed to allow students to begin their general education courses at one Colorado public higher education institution and later transfer to another without loss of general education credits. Colorado policy ensures that students who successfully complete a state guarantee general education course will receive transfer credits applied to graduation requirements in all majors at all public institutions unless a specific statewide articulation agreement exists.

  The state's guarantee general education curriculum is organized into five categories: communication, mathematics, fine arts and humanities, social and behavioral sciences, and physical and life sciences. To complete the Colorado state guarantee general education core, students are required to take 35 to 37 semester credit hours and earn a C grade or better in each course. The guarantee is limited to the number of semester credit hours in each general education category.

- All state guarantee general education courses in communication, mathematics, arts and humanities, social and behavior science, and physical and life science shall be identified by a state-assigned common number.

  When evaluating a transfer student's transcript, each Colorado public higher education institution will apply state guarantee general education credits to its general education graduation requirements. Institutions may require additional general education graduation requirements beyond the 35 semester credit hours of state guaranteed general education credits. If an institution requires less than 35 general education credits, the institution will accept in transfer the full 35 credits and apply these credits toward a student's graduation requirements.

- Statewide Articulation Agreements
  An Articulation Agreement is a statewide agreement among all Colorado community colleges, and all four-year public institutions offer a particular degree program. It is most commonly used for undergraduate professional programs that have specific course requirements established by accrediting or external licensure boards.

- Transfer Guides
  Each institution is responsible for implementing a Transfer Guide for each CCHE-approved baccalaureate degree program unless a statewide articulation agreement is in place. The Transfer Guide shall be designed so that a student can complete a baccalaureate program in no more than 120 credit hours unless there are additional graduation requirements recognized by the Commission. The transfer guide defines the 25 credit hours required beyond the state guaranteed general education credits and may include required courses in the major or prerequisite courses for admission into the degree program. The transfer guides are to be on file with CCHE.

PROGRAMS OF EMPHASIS FOR UNIVERSITY TRANSFER

Northeastern Junior College offers a variety of junior college courses necessary to prepare students for successful transfer. Programs of emphasis include the following areas:

DEGREES

Associate of Arts (A.A.) or Associate of Science (A.S.)

University Transfer Programs

- Anthropology - *Degree with Designation*
- Art
- Astronomy
- Biology
- Biotechnology
- Business - *Degree with Designation*
- Chemistry
- Communicaton
- Criminal Justice
- Early Childhood Education
- Economics - *Degree with Designation*
- Elementary Education
- English
- French - *Degree with Designation*
- General Science
- Geology
- History - *Degree with Designation*
- Journalism/Advertising
- Liberal Arts
- Mathematics - *Degree with Designation*
- Microbiology
- Music
- Philosophy
- Physical Education Teaching/Coaching
- Physics
- Political Science - *Degree with Designation*
- Pre-Professional
  - Pre-Chiropractic
  - Pre-Dental Hygiene
  - Pre-Dentistry
  - Pre-Engineering
  - Pre-Forestry
  - Pre-Law
  - Pre-Medical Technology
  - Pre-Medicine
  - Pre-Mortuary Science
  - Pre-Nursing
  - Pre-Occupational Therapy
  - Pre-Optometry
  - Pre-Pharmacy

Pre-Physical Therapy
Pre-Radiologic Technology
Pre-Speech Pathology
Pre-Surgery Technology
Pre-Veterinary Medicine
Psychology - B. A. - *Degree with Designation*
Psychology - B. S. - *Degree with Designation*
Recreation
Sociology - *Degree with Designation*
Spanish - *Degree with Designation*
Special Education
Sport Management
Sports Medicine/Athletic Training
Theatre
Wildlife Biology
Zoology

Associate of General Studies (A. G. S.)

University Parallel/Transfer Programs
Agriculture:
Agriculture Business
Agriculture Economics
Agriculture Education
Agriculture Journalism
Animal Science – Industry Concentration
Animal Science – Science Concentration
Criminal Justice
Crop and Soil Science
Equine Science – Industry Concentration
Equine Science – Science Concentration
Farm and Ranch Management
Food Science
Range Management
General Studies
Science

Additional information is available from transfer students' advisors, offices of the Department Chair, or the Counseling Office concerning transfer programs and transfer to a four year college or university.

STATEWIDE ARTICULATION AGREEMENTS - Associate of Arts

The number of statewide articulation agreements continues to increase. These agreements between two and four-year institutions ensures the student will take appropriate and required courses and provide for a smooth transfer to the four year level. Students must complete all the courses with a "C" or better and no course substitutions are allowed.

A. A. STATEWIDE ARTICULATION AGREEMENT - ANTHROPOLOGY

Anthropology is the study of humans, past and present. Students pursuing this program of study will strive to understand the complexity of human cultures and will draw and build on knowledge from the social and biological sciences as well as the humanities and physical sciences. A central concern of anthropologists is the application of knowledge to the solution of human problems.

General Education Requirements (33 credits):

Communication - 6 credits
ENG 121 English Composition I (GT-CO1) AND 3
ENG 122 English Composition II (GT-CO2) 3
OR
ENG 122 English Composition II (GT-CO2) AND 3
One Advanced Writing Course (GT-CO3) 3
Mathematics - 4 credits
MAT 121 College Algebra (GT-MA1) 4
Arts and Humanities - 6 credits
Two guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 6
History - 3 credits
One guaranteed transfer History course (GT-HI1) 3
Social & Behavioral Sciences - 6 credits
Two guaranteed transfer Social & Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3) 6
Science - 8 credits
Two guaranteed transfer Natural & Physical Sciences courses (GT-SC1) 8

Additional Required Courses (21 credits):

ANT 101 Cultural Inthropology (G T-SS3) 3
ANT 107 Introduction to Archaeology (GT-SS3) 3
ANT 111* Physical Anthropology (GT-SS3) 3
COM 115 Public Speaking OR
COM 125 Interpersonal Communications OR
COM 220 Intercultural Communication 3
One guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 3
One guaranteed transfer ANT course in Social & Behavioral Sciences (GT-SS3) 3
One guaranteed transfer Social & Behavioral Sciences course (must be GT-SS2 OR GT-SS3) 3

*Some receiving institutions require a lab attached to this course (ANT 111 - Physical Anthropology); please consult with the receiving institution.

Required Electives (6 credits)

Consult with a NJC Advisor and select 6 credits based on the specific articulation agreement and transfer institution requirements.

A. A. STATEWIDE ARTICULATION AGREEMENT - BUSINESS

NJC Business Transfer program is designed for the student with future goals of obtaining a bachelor's degree. The transfer student can obtain an Associate of Arts degree with an emphasis in Business. The degree program contains the necessary general education courses and core business courses that enables a student to fulfill the first two years of a four-year business degree.

NJC is a participating member of the Statewide Business Articulation Agreement which ensures that a student who begins an Associate of Arts degree at Northeastern Junior College can transfer 60 credits into the Bachelor of Arts or Bachelor of Science in Business degree program at a Colorado public four-year college (i.e., 60 plus 60 agreement). Schools of Business will accept 40 general education credits and 20 credits in transferable business courses who earned an Associate of Arts in Business. The principles, policies, and guidelines in this transfer agreement apply uniformly to all students attempting to transfer credits earned at NJC into the four-year colleges and universities. The general education and transferable business courses are

course-specific and follow the same prerequisites offered at a four-year college.

Students seeking an Associate of Arts degree in Business must fulfill the requirements for the desired degree as listed below.

General Education Requirements (37 Credits)

Communication - 6 credits
- ENG 121 English Composition I (GT-CO1) 3
- ENG 122 English Composition II (GT-CO2) 3

Mathematics - 8 credits
- MAT 121 College Algebra (GT-MA1) OR
- MAT 123 Finite Math (GT-MA1) 4
- MAT 125 Survey of Calculus (GT-MA1) 4

Arts & Humanities - 6 credits
- Two guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 6

History - 3 credits
- One guaranteed transfer History course (GT-HI1) 3

Social & Behavioral Sciences - 6 credits
- ECO 201 Principles of Macroeconomics (GT-SS1) 3
- ECO 202 Principles of Microeconomics (GT-SS1) 3

Sciences - 8 credits
- Two guaranteed transfer Natural & Physical Sciences courses (GT-SC1, GT-SC2) 8

* There is no physical education requirement

Business Core Requirements (23 Credits)

The following courses comprise the Business Core courses.

- ACC 121 Principles of Accounting I 4
- ACC 122 Principles of Accounting II 4
- BUS 115 Introduction to Business 3
- BUS 216 Legal Environment of Business 3
- BUS 217 Business Communications 3
- BUS 226 Business Statistics 3
- COM 115 Public Speaking 3

Recommended course:

- CIS 118 Intro to Microcomputer Applications 3

A. A. STATEWIDE ARTICULATION AGREEMENT - ECONOMICS

The study of Economics prepares students for a variety of professions that emphasize the use of economics. Students who ultimately earn a bachelor's degree in Economics would most likely go on to obtain a graduate degree.

Required General Education Courses (37 credits):

Communication - 6 credits
- ENG 121 English Composition I (GT-CO1) 3
- ENG 122 English Composition II (GT-CO2) 3

Mathematics - 5 credits
- MAT 201 Calculus I (GT-MA1) 5

Arts and Humanities - 9 credits
- Three guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 9

History - 3 credits
- One guaranteed transfer History course (GT-HI1) 3

Social and Behavioral Sciences - 6 credits
- ECO 201 Macroeconomics (GT-SS1) 3
- ECO 202 Microeconomics (GT-SS1) 3

Sciences - 8 credits
- Two guaranteed transfer Natural & Physical Sciences courses (GT-SC1, GT-SC2) 8

Additional Required Courses (3 credits)

- MAT 135 Introduction to Statistics (GT-MA1) 3

Required Electives (20 credits)

Consult with a NJC Advisor and select 20 credits based on the specific articulation agreement and transfer institution requirements.

A. A. STATEWIDE ARTICULATION AGREEMENT - HISTORY

The History program at NJC provides students with cultural histories from Western and non-Western civilizations, Paleolithic era through modern times. Such experience provides students with a wealth of information that promises to enrich their personal and educational lives.

General Education Requirements (34 credits):

Communication - 6 credits
- ENG 121 English Composition I (GT-CO1) 3
- ENG 122 English Composition II (GT-CO2) 3

Mathematics - 3 credits
- One guaranteed transfer Mathemetics course (GT-MA1) but NOT MAT 155 or MAT 156 3

Arts and Humanities - 9 credits
- Three guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 9

History - 3 credits
- HIS 101 Western Western Civilization: Antiquity-1650 OR
- HIS 111 THe World: Antiquity-1500 (GT-HI1) 3

Social & Behavioral Sciences - 6 credits
- Two guaranteed transfer Social & Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3) 6

Science - 7 credits
- Two guaranteed transfer Natural & Physical Science courses (GT-SC1, GT-SC2) 7

Additional Required Courses (15 credits):

- COM 115 Public Speaking OR
- COM 125 Interpersonal Communications 3
- HIS 102 Western Civilization 1650 to Present OR
- HIS 112 The World - 1500-Present 3
- HIS 201 U. S. History to Reconstruction 3
- HIS 202 U.S. History Since the Civil War 3
- One additional guaranteed transfer History course (GT-HI1) 3

Required Electives (11 credits)

Consult with a NJC Advisor and select 11 credits based on the specific articulation agreement and transfer institution requirements.

A. A. STATEWIDE ARTICULATION AGREEMENT - POLITICAL SCIENCE

Students who pursue a degree in political science study governments, public policies and political processes, systems, and political behavior. Political science subfields include political theory, political philosophy, political ideology, political economy, policy studies and analysis, comparative politics, international relations, and a host of related fields.

General Education Requirements (32 credits):

Communication - 6 credits
- ENG 121 English Composition I (GT-CO1) AND 3
- ENG 122 English Composition II (GT-CO2) 3
- OR
- ENG 122 English Composition II (GT-CO2) AND 3
- One Advanced Writing Course (GT-CO3) 3

Mathematics - 3 credits
- One guaranteed transfer Mathematics course (GT-MA1), but not MAT 155 or 156. 4

Arts and Humanities - 6 credits
- Three guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 6

History - 3 credits
- One guaranteed transfer History course (GT-HI1) 3

Social & Behavioral Sciences - 6 credits
- ECO 201 Principles of Macroeconomics (GT-SS1) 3
- ECO 202 Principles of Microeconomics (GT-SS1) 3

Science - 8 credits
- Two guaranteed transfer Natural & Physical Science courses of the student's choosing. (GT-SC1) 8

Additional Required Courses (12 credits):

- POS 105 Introduction to Political Science 3
- POS 111 American Government 3
- POS 205 International Relations 3
- POS 225 Comparative Government 3

Required Electives (16 credits)

Consult with a NJC Advisor and select 16 credits based on the specific articulation agreement and transfer institution requirements.

A. A. STATEWIDE ARTICULATION AGREEMENT - PSYCHOLOGY

The Psychology program offers students the opportunity to take a very comprehensive selection of courses. This program would prepare transfer students to pursue bachelor's degree in psychology, human services, counseling, social work, and other areas in the behavioral sciences. Students are encouraged to have a strong mathematics and statistics background and to take courses in the natural sciences (e.g. biology and chemistry) as well.

General Education Requirements (34-36 credits):

Communication - 6 credits
- ENG 121 English Composition I (GT-CO1) AND 3
- ENG 122 English Composition II (GT-CO2) 3
- OR
- ENG 122 English Composition II (GT-CO2) AND 3
- One Advanced Writing Course (GT-CO3) 3

Mathematics - 3-4 credits
- MAT 121 College Algebra (GT-MA1) 4

Arts and Humanities - 9 credits
- Three guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 9

History - 3 credits
- One guaranteed transfer History course (GT-HI1) 3

Social & Behavioral Sciences - 6 credits
- Two guaranteed transfer Social & Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3) 6

Science - 7-8 credits
- One guaranteed transfer Biology course with lab (GT-SC1) 4
- One guaranteed transfer Science course of the student's choosing. (GT-SC1) 3

Additional Required Courses (18 credits):

- COM 115 Public Speaking OR
- COM 125 Interpersonal Communications 3
- PSY 101 General Psychology I 3
- PSY 102 General Psychology II 3
- Three guaranteed transfer Psychology courses (GT-SS3) 9

Required Electives (6-8 credits)

Consult with a NJC Advisor and select 6-8 credits based on the specific articulation agreement and transfer institution requirements.

A. A. STATEWIDE ARTICULATION AGREEMENT - SOCIOLOGY

Sociology is the scientific study of society, including patterns of social relationships, social interaction, and culture. Sociologists study all things human, from the interactions between two people to the complex relationships between nations or multinational corporations. Students who study sociology learn to better understand themselves since sociology examines how the social world influences the way we think, feel, and act. Becoming aware of the social processes that influence the way humans think, feel, and behave enables individuals to shape the social forces they face.

General Education Requirements (35-36 credits):

Communication - 6 credits
- ENG 121 English Composition I (GT-CO1) AND 3
- ENG 122 English Composition II (GT-CO2) 3
- OR
- ENG 122 English Composition II (GT-CO2) AND 3
- One Advanced Writing Course (GT-CO3) 3

Mathematics - 3-4 credits
- MAT 121 College Algebra (GT-MA1) OR 4
- MAT 135 Statistics (GT-MA1) 3

Arts and Humanities - 9 credits
- Three guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 9

History - 3 credits
- One guaranteed transfer His tory course (GT-HI1) 3

Social & Behavioral Sciences - 6 credits
- Two guaranteed transfer Social & Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3) 6

Science - 8 credits
- Two guaranteed transfer Natural & Physical Sciences courses (GT-SC1) 8

Additional Required Courses (18 credits):

COM 115 Public Speaking OR
COM 125 Interpersonal Communications 3
SOC 101 Introduction to Sociology 3
SOC 102 Introduction to Sociology II 3
Three guaranteed transfer SOC courses in Social & Behavioral Sciences (GT-SS3) 9

Required Electives (6-7 credits)

Consult with a NJC Advisor and select 6-7 credits based on the specific articulation agreement and transfer institution requirements.

A. A. STATEWIDE ARTICULATION AGREEMENT - SPANISH & FRENCH

Statewide articulation agreements are available for Spanish and French. Northeastern Junior College does not offer the Spanish or French language courses required for these agreements. They are available through CCC Online. NJC does offer most of the general education courses and a few of the elective courses for these programs of study. For more information on these articulation agreements, please contact the Liberal Arts Department in E. S. French Hall or the Counseling & Advising Office in Hays Student Center.

ASSOCIATE OF ARTS DEGREE (A.A.) (60 CREDITS) - GENERAL

The Associate of Arts (A.A.) degree is awarded to a student who successfully completes a program designed to transfer to a four-year college or university for the purpose of earning a baccalaureate degree. The student who is pursuing a particular major at a four-year institution may wish to select a particular area of emphasis described in this catalog. Students pursuing a program of study that has a Statewide Articulation Agreement must meet those requirements. These begin on page 50.

GRADUATION REQUIREMENTS AND POLICIES

1. Complete a minimum of 60 semester credits of approved coursework as outlined in the college catalog. Thirty seven (37) semester credits comprise the general education requirement depending on which mathematics course is completed. The degree requires an additional 23 credits selected from the list of approved electives. Students should select their elective courses in consultation with their academic advisor based on the student's declared program of study and educational goal.
2. Earn a minimum cumulative grade point average of 2.0 (a "C" average).
3. Earn 15 semester credits of coursework prior to graduation through Northeastern Junior College.
4. File an Application for Graduation in the Records Office.
5. Resolve all financial obligations to the college and return all library and college materials.

All students earning an Associate of Arts degree must complete 37 semester credits of the following general education requirements.

General Education Requirements

Courses that fulfill the General Education requirements are listed on pages 44-47.

Oral Communication –3 credits (CCCS requirement)
COM 115 Public Speaking OR 3
COM 125 Interpersonal Communication OR
COM 220 Intercultural Communication 3

Written Communication – 6 credits
ENG 121 English Composition I (GT-CO1) AND 3
ENG 122 English Composition II (GT-CO2) 3
OR
ENG 122 English Composition II (GT-CO2) AND 3
One Advanced Writing Course (GT-CO3) 3

Mathematics – 3 credits minimum, MAT 120 or higher.
(Courses range from 3-5 credits)
Any guaranteed transfer Math course except MAT 155/156 (GT-MA1)

Arts & Humanities/Social & Behavioral Sciences Combined - 18 credits

Two guaranteed transfer Arts & Humanities courses:
- Arts & Expressions (GT-AH1)
- Literature & Humanities (GT-AH2)
- Ways of Thinking (GT-AH3)
- Foreign Languages (GT-AH4)

AND

Two guaranteed transfer Social & Behavioral Sciences courses:
- History (GT-HI1)
- Economic & Politicial Systems (GT-SS1)
- Geography (GT-SS2)
- Human Behavior & Social Systems (GT-SS3)

AND

One additional guaranteed transfer course from either Arts & Humanities or Social & Behavioral Sciences

AND

One additional guaranteed transfer History course

Physical & Life Sciences – 7 credits minimum

Two guaranteed transfer Physical & Life Sciences courses including at least one lab course (GT-SC1, GT-SC2).
- Astronomy (GT-SC1)
- Biology (GT-SC1, GT-SC2)
- Chemistry (GT-SC1)
- Geology (GT-SC1)
- Intro to Human Disease (GT-SC2)
- Physics (GT-SC1)

NJC graduation requirement: Lifetime Fitness/Wellness Skills.
Requirement: Any two unduplicated credits (two 1 credit courses or one 2+ credits course)
Courses that will fulfill this requirement: Any 1 credit hour PED or DAN course excluding PED 110, 111, 210, 211 or any of the following HWE courses:
- *HWE 100 Human Nutrition on our campus (20% can add activity component)
- AGR 175 & 176 ST: Rodeo Practice
- HWE 111 Health & Wellness
- HWE 124 Fitness & Wellness
- HWE 103 Community First Aid & CPR
- HWE 113 Standard First Aid

*HWE 100 only if taught on the NJC campus. On campus sections will contain at least 20% activity component. If taught off-campus, the instructor needs to coordinate with campus officials regarding the activity component if they want to use this

course to fulfill this requirement.

Programs of study set forth by state-wide articulation agreements may be exempt from the Lifetime Fitness/Wellness Skills requirements.

Electives - 23 credits selected from the list of Approved A.A./A.S. Electives on Pages 46-47.

Elective Credits. Elective credits for Associate of Arts and Associate of Science degrees should be chosen in conjunction with the student's major and in consultation with his/her advisor. Transferability of these courses is dependent upon the transfer agreement developed with each four-year college or university. It is in the student's best interest to see an advisor before selecting electives on pages 46-47.

ASSOCIATE OF ARTS AREAS OF EMPHASIS

Art

Art courses at Northeastern Junior College assist students in improving and developing their artistic abilities. The first year art course sequence (ART 121, 122, 131, and 132) explores methods, materials and techniques as the foundation of artistic and creative development. The art courses offered at NJC benefit those students preparing for a career in one of many artistic fields such as fine art, commercial art, art education, graphic art, and interior design. Students anticipating a career outside of art are also encouraged to enroll in any of the NJC art courses.

Exhibits in the Peter L. Youngers Fine Arts Gallery provide students an opportunity to view original artwork as well as the possibility for students in art courses to display their artwork in the annual Student Exhibit.

Electives:

ART 115 Stained Glass I	3
ART 116 Stained Glass II	3
ART 121 Drawing I	3
ART 124 Watercolor I	3
ART 129 Printmaking I	3
ART 131 Visual Concepts 2-D Design	3
ART 132 Visual Concepts 3-D Design	3
ART 138 Film Photography I	3
ART 139 Digital Photography I	3
ART 151 Painting I	3
ART 161 Ceramics I	3
ART 162 Ceramics II	3
ART 165 Sculpture I	3
ART 221 Drawing II	3
ART 222 Drawing III	3
ART 223 Drawing IV	3
ART 231 Adv. Visual Concepts 2-D Design	3
ART 232 Adv. Visual Concepts 3-D Design	3
JOU 111 Principles of Advertising	3
MGD 133 Graphic Design I	3
MGD 233 Graphic Design II	3

Communication

The communication program at Northeastern Junior College gives students the introductory level course work required for most degrees. These courses provide students with insight into public presentation. This coursework will benefit those students who wish to pursue careers in broadcasting, journalism, politics, law, public service, and education.

Electives:

BUS 115 Introduction to Business	3
BUS 217 Business Communication	3
COM 125 Interpersonal Communication	3
COM 219 Group Dynamics	3
JOU 105 Introduction to Mass Media	3
JOU 106 Fundamentals of Reporting	3
JOU 111 Principles of Advertising	3
JOU 216 Intermediate Newswriting	3
JOU 221 Newspaper Design I	1-3
JOU 222 Newspaper Design II	1-3
JOU 280 Internship	3-5
THE 105 Introduction to Theatre Arts	3
THE 111 Acting I	3

Criminal Justice

A student can earn the A.A. in preparation for transfer into a four-year program in criminal justice.

Electives: (strongly encouraged)

CRJ 110 Introduction to Criminal Justice	3
CRJ 125 Law Enforcement Operations	3
CRJ 135 Judicial Functions	3
CRJ 145 Correctional Process	3
CRJ 150 Victims of Crime and Trauma	3
CRJ 205 Principles of Criminal Law	3
CRJ 235 Delinquent Behavior	3
CRJ 236 CRJ Research Methods	3

Early Childhood Education

For those who want the opportunity to provide a positive influence on the lives of children and their families, early childhood is a fascinating field in which to work. In addition to the A.A.S. degree and certificate programs in early childhood specified later in this catalog, a student can earn the A.A. in preparation for transfer into a four-year program.

Requirements:

Communication – 9 credits

COM 115 Public Speaking OR	
COM 125 Interpersonal Communicaion	3
ENG 121 English Composition I	3
ENG 122 English Composition II	3

Mathematics – 6-7 credits (Choose Track 1 or Track 2)

Track 1:

MAT 121 College Algebra	4
MAT 135 Intro to Statistics	3

Track 2:

MAT 155 Integrated Math I	3
MAT 156 Integrated Math II	3

Sciences – 8 credits minimum

SCI 155 Integrated Science I	4
SCI 156 Integrated Science II	4

Social and Behavioral Sciences – 9 credits
- GEO 105 World Regional Geography 3
- HIS 201 U. S. History to Reconstruction 3
- POS 111 American Government 3

Arts and Humanities – 6 credits
- ART 110 Art Appreciation OR
- MUS 120 Music Appreciation 3
- LIT 115 Introduction to Literature OR
- LIT 255 Children's Literature 3

ECE Program Requirements - 16 credits
- ECE 101 Intro to Early Childhood 3
- ECE 102 Intro to Early Childhood Lab 3
- ECE 205 Nutrition, Health, & Safety 3
- ECE 238 Child Growth & Development 4
- ECE 241 Admin: Human Relations 3

Required Electives - 6 credits minimum
Additional courses required if student wishes to become "Director Qualified":
- ECE 103 Guidance Strategies for Children 3
- ECE 220 Curriculum Development 3
- ECE 240 Admin of Early Childhood Care 3

(Note: At the end of May, 2011, ECE 111 Infant/Toddler Theory and ECE 260 Exceptional Child will be required by the Colorado Department of Human Services for Director Qualification)

Elementary Education

The elementary education program has specific general education and program requirements that prepare a student to transfer successfully to a four-year university's elementary education licensure program.

Communication – 9 credits
- COM 115 Public Speaking 3
- ENG 121 English Composition I 3
  (B or better required)
- ENG 122 English Composition II 3

Mathematics – 6 credits
- MAT 155 Integrated Math I 3
- MAT 156 Integrated Math II 3

Sciences – 12 credits minimum
- SCI 155 Integrated Science I 4
- SCI 156 Integrated Science II 4

Plus one of the following courses:
- BIO 105 Science of Biology or
- BIO 111 General College Biology I 4-5
- CHE 101 Introduction to Chemistry I OR
- CHE 111 General College Chemistry I OR
- GEY 111 Physical Geology 4
- PHY 105 Conceptual Physics OR
- PHY 111 Physics: Algebra-Based I 4-5

Social Sciences – 9 credits
- GEO 105 World Regional Geography 3
- HIS 201 U. S. History to Reconstruction OR
- HIS 202 U.S. History Since the Civil War..... 3
- POS 111 American Government 3

Humanities – 3 credits
- LIT 115 Introduction to Literature OR
- LIT 201 Masterpieces of Literature I OR
- LIT 202 Masterpieces of Literature II 3

Education – 6 credits
- EDU 221 Introduction to Education 3
- PSY 238 Child Development 3

Transfer Courses – 15 credits
* Transfer Courses must be selected based on the institution to which the student will transfer and should be selected after consulting with an academic advisor.

Transfer Institution - University of Northern Colorado
- ANT 101 Cultural Anthropology 3
- ART 110 Art Appreciation OR
- MUS 120 Music Appreciation 3
- EDU 261 Teaching, Learning, Technology 3
- HIS 225 Colorado History 3
- LIT 255 Children's Literature 3

For a list of courses designed to transfer to an institution other than the University of Northern Colorado, please visit the Liberal Arts Department in ESF 170.

English

The study of English prepares students for a variety of professions that emphasize the use of language. Students who ultimately earn a bachelor's degree in English would be prepared to enter graduate studies in law, communications, media, and business.

Electives:
- ENG 221 Creative Writing 3
- BUS 217 Business Communication 3
- LIT 115 Introduction to Literature 3
- LIT 201 Masterpieces of Literature I 3
- LIT 202 Masterpieces of Literature II 3
- JOU 105 Introduction to Mass Media 3
- JOU 106 Fundamentals of Reporting 3
- JOU 206 Intermediate Newswriting 3
- JOU 280 Internship 3-5

Journalism/Advertising

The journalism/advertising program at NJC prepares students for study in a variety of fields, including advertising, broadcasting, newswriting, public relations, and telecommunications. NJC offers a wide range of applicable courses, and students of all majors may participate in the publication of Plainsman Pathways, NJC's student newspaper.

Electives:
- JOU 105 Introduction to Mass Media 3
- JOU 106 Fundamentals of Reporting 3
- JOU 111 Principles of Advertising 3
- JOU 121 Photojournalism 3
- JOU 175 ST: Radio Broadcasting/Production 3
- JOU 206 Intermediate Newswriting 3
- JOU 221 Newspaper Design I 3
- JOU 222 Newspaper Design II 3
- JOU 280 Internship 3-5
- ART 131 2-D Design 3
- ART 243 Intro to Commercial Art/ Illustration 3
- CIS 118 Intro to Microcomputer Applications 3
- COM 219 Group Dynamics 3

Music

NJC offers several courses for students who are interested in the study of music. In addition to courses in music theory, music appreciation, and computer music, students may elect to pursue individualized music instruction or to participate in NJC's musical groups.

Electives:

MUS 110 Music Theory I	3
MUS 111 Music Theory II	3
MUS 112 Ear Training/Sight Singing I	1
MUS 113 Ear Training/Sight Singing II	1
MUS 141 Private Instruction I	1-2
MUS 142 Private Instruction II	1-2
MUS 143 Private Instruction III	1-2
MUS 144 Private Instruction IV	1-2
MUS 151 Ensemble I	1
MUS 152 Ensemble II	1
MUS 153 Ensemble III	1
MUS 154 Ensemble IV	1

Philosophy

The philosophy courses at NJC are designed to help prepare students for almost any profession in society today. The primary emphasis in philosophy is critical thinking; therefore, these courses provide good preparation for students interested in criminal justice, law, education, and social work.

Recommended General Education Courses:

PHI 111 Introduction to Philosophy	3
PHI 112 Ethics	3
PHI 113 Logic	3
PHI 214 Philosophy of Religion	3

Electives:

ANT 101 Cultural Anthropology	3
ECO 201 Principles of Macroeconomics	3
ECO 202 Principles of Microeconomics	3
HIS 101 Western Civilization: Antiquity to 1650	3
HIS 102 Western Civilization 1650 to Present	3
HIS 201 U. S. History to Reconstruction	3
HIS 202 U.S. History Since the Civil War	3
LIT 115 Introduction to Literature	3
LIT 201 Masterpieces of Literature I	3
LIT 202 Masterpieces of Literature II	3
PHI 113 Logic	3
PHI 114 Comparative Religion	3
PHI 115 World Religions - West	3
PHI 116 World Religions - East	3
PHI 175 Special Topics	1-3
POS 105 Introduction to Political Science	3
SOC 101 Introduction to Sociology I	3

Physical Education (Coaching)

The Physical Education Coaching degree at Northeastern Junior College prepares students to become coaches at all levels. Students can earn their certification requirements from First Aid to ASEP and gain a wealth of knowledge, training principles and current health issues.

Suggested Electives:

PER 126 Introduction to Coaching	2
PER 232 Care/Prevention Ath. Injury	3
PER 260 Sports Officiating	2
BIO 201 Human Anatomy & Physiology*	4
CIS 118 Introduction PC Applications	3
EMS 115 First Responder	3
HPR 217 Kinesiology	4
HWE 124 Fitness & Wellness	2
HWE 237 Exercise/Nutrition & Body Comp	3

*Optional

Physical Education (Recreation)

The Physical Education Recreation degree is designed to introduce students to a variety of career opportunities in Recreation. Students gain knowlege in community recreation, outdoor recreation and leadership to name a few. This program is designed to successfully transfer to a four year university program.

Suggested Electives:

PER 128 Introduction to Recreation	2
PER 250 Social Recreation & Leadership	3
PER 251Recreational Skills	3
PER 252 Principles of Outdoor Recreation	3
CIS 118 Introduction PC Applications	3
EMS 115 First Responder	3
MAR 216 Principles of Marketing**	3
MAR 220 Principles of Advertising**	3

**Optional

Physical Education (Teaching)

The Physical Education Teaching program at Northeastern Junior College prepares students to successfully transfer to a four year university's licensure program. Students will gain knowledge in a variety of areas including methods, drug awareness, first aid and current health issues.

Suggested Electives:

PER 113 Intro to Physical Ed & Sport	2
PER 121 Drug Awareness in Sport	2
PER 245 Analysis/Teaching of Ind/Dual Sports	3
PER 260 Sports Officiating	2
BIO 201 Human Anatomy & Physiology I **	4
CIS 118 Introduction PC Applications	3
EMS 115 First Responder	3
HPR 217 Kinesiology	4
HWE 124 Fitness & Wellness	2
HWE 237 Exercise/Nutrition & Body Comp	3

** Optional

Pre-Law

Electives:

ECO 201 Principles of Macroeconomics	3
ECO 202 Principles of Microeconomics	3
BUS 216 Legal Environment of Business	3
GEO 105 World Regional Geography	3
GEO 106 Human Geography	3
HIS 101 Western Civilization: Antiquity to 1650	3
HIS 102 Western Civilization 1650 to Present	3
HIS 201 U. S. History to Reconstruction	3
HIS 202 U.S. History Since the Civil War	3
JOU 105 Introduction to Mass Media	3
PHI 111 Introduction to Philosophy	3
PHI 112 Ethics	3
PHI 113 Logic	3
POS 105 Introduction to Political Science	3
POS 111 American Government	3

Sport Management

Electives:

ACC 121 Principles of Accounting I 3
BUS 217 Business Communication & Report Writing 4
CIS 118 Intro to PC Applications 3
HWE 124 Fitness & Wellness 2
MAN 226 Principles of Management 3
MAR 216 Principles of Marketing 3
PER 129 Introduction to Sport Management 3
PER 220 History & Philosophy of Sport & PE 3

Theatre

The award-winning NJC theatre program is designed to give students a firm foundation in the basics of the theatrical craft. Whether a student plans on a career in theatre or film, or just wants to expand his or her love of the art form, the program provides the tools to move forward in this very competitive world. The work done at NJC enables students to transfer to four-year institutions secure in the knowledge that they are grounded in the basics of the theatre world, enabling them to compete in the theatrical world at major universities. Coursework combines theoretical work and practical on-stage experience. NJC productions are open to all students regardless of major.

Electives:

THE 105 Introduction to Theatre Arts 3
THE 111 Acting I 3
THE 112 Acting II 3
THE 115 Stage Movement for Actors 3
THE 116 Technical Theatre 3
THE 246 Rehearsal & Performance I 1
THE 247 Rehearsal & Performance II 2
THE 248 Rehearsal & Performance III 3

STATEWIDE ARTICULATION AGREEMENTS - Associate of Science

A. S. STATEWIDE ARTICULATION AGREEMENT - ENGINEERING

Students who complete the engineering articulation agreement will have appropriate coursework to transfer on and work on their bachelor's degree. Students should research carefully the institutions they would consider transferring to and the specific requirements for the engineering field they wish to enter.

Required General Education Courses (47 credits):

Communication - 9 credits

COM 115 Public Speaking 3
ENG 121 English Composition I (GT-CO1).....3
ENG 122 English Composition II (GT-CO2)..... 3

Mathematics - 14 credits

MAT 201 Calculus I (GT-MA1) 5
MAT 202 Calculus II (GT-MA1) 5
MAT 203 Calculus III (GT-MA1) 4

Arts and Humanities - 3 credits

One guaranteed tansfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 3

History - 3 credits

One guaranteed transfer History course (GT-HI1) 3

Social and Behavioral Sciences - 3 credits

(GT-SC1, GT-SC2) 3

Sciences - 15 credits

CHE 111 General College Chemistry I with Lab (GT-SC1)..... 5
PHY 211 Physics: Calculus-Based I with Lab (GT-SC1) 5
PHY 212 Calculus-Based Physics II with Lab (GT-SC1) 5

Required Electives (13 credits)

Consult with a NJC Advisor and select 13 credits based on the specific articulation agreement and transfer institution requirements. To view specific Engineering articulation agreements, visit the Colorado Department of Higher Education.

A. S. STATEWIDE ARTICULATION AGREEMENT - MATHEMATICS

Students are able to complete mathematics courses supplemented with studies in natural science and/or computer sciences at NJC. NJC coursework can provide mathematics students with a strong foundation in mathematics, physics, chemistry, computer science, composition, speech, humanities, and social sciences, enabling them to be successful in their mathematics major at their transfer institution.

Required General Education Courses (39 credits):

Communication - 6 credits

ENG 121 English Composition I (GT-CO1) AND 3
ENG 122 English Composition II (GT-CO2) 3
OR
ENG 122 English Composition II (GT-CO2) AND 3
One Advanced Writing Course (GT-CO3) 3

Mathematics - 5 credits

MAT 201 Calculus I (GT-MA1) 5

Arts and Humanities - 9 credits

Three guaranteed transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 9

History - 3 credits

One guaranteed transfer History course (GT-HI1) 3

Social and Behavioral Sciences - 6 credits

Two guaranteed transfer Social & Behavioral Sciences courses (GT-SS1, GT-SS2, GT-SS3) 6

Sciences - 10 credits

PHY 211 Physics: Calculus-Based I with Lab (GT-SC1) 5
PHY 212 Calculus-Based Physics II with Lab (GT-SC1) 5

Additional Required Courses (16-17 credits):

COM 115 Public Speaking OR
COM 125 Interpersonal Communications 3
CSC 160 Computer Science I 4
MAT 202 Calculus II (GT-MA1) 5
MAT 203 Calculus III (GT-MA1) OR
MAT 204 Calculus III w/Engineering Appl.(GT-MA1) 4

Required Electives (4-5 credits)

Consult with a NJC Advisor and select 4-5 credits based on the specific articulation agreement and transfer institution requirements.

A. S. STATEWIDE ARTICULATION AGREEMENT - PSYCHOLOGY

The Psychology progam offers students the opportunity to take a very comprehensive selection of courses. Thie program would prepare transfer students to pursue bachelor's degree in psychology, human services, counseling, social work, and other areas in the behavioral sciences. Students are encouraged to have a strong mathematics and statistics background and to take courses in the natural sciences (e.g. biology and chemistry) as well.

General Education Requirements (38 credits):

Communication - 6 credits
- ENG 121 English Composition I (GT-CO1) AND 3
- ENG 122 English Composition II (GT-CO2) 3
- OR
- ENG 122 English Composition II (GT-CO2) AND 3
- One Advanced Writing Course (GT-CO3) 3

Mathematics - 4 credits
- MAT 121 College Algebra (GT-MA1) 4

Arts and Humanities - 9 credits
- PHI 111 Intro to Philosophy (GT-AH3) OR
- PHI 112 Ethics (GT-AH3) 3
- Two guaranteed transfer Arts & Humanities courses from at least two different categories (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 6

History - 3 credits
- One guaranteed transfer History course (GT-HI1) 3

Social & Behavioral Sciences - 6 credits
- Two guaranteed transfer Social & Behavioral Sciences courses (GT-SS1, GT-SS2, GT-SS3) 6

Science - 10 credits
- BIO 111 General College Biology I with Lab (GT-SC1) 5
- CHE 111 General College Chemistry I with Lab (GT-SC1) 5

Additional Required Courses (9 credits):

- COM 115 Public Speaking OR
- COM 125 Interpersonal Communications 3
- PSY 101 General Psychology I 3
- PSY 102 General Psychology II 3

Required Electives (13 credits)

Consult with a NJC Advisor and select 13 credits based on the specific articulation agreement and transfer institution requirements.

ASSOCIATE OF SCIENCE DEGREE (A.S.) (60 CREDITS) - GENERAL

The Associate of Science (A.S.) degree is awarded to a student who successfully completes a program designed to transfer to a four-year college or university for the purpose of earning a baccalaureate degree. The student who is pursuing a particular major at a four-year institution may wish to select a particular area of emphasis described in this catalog. Students pursuing a program of study that has a Statewide Articulation Agreement must meet those requirements. These begin on page 57.

GRADUATION REQUIREMENTS AND POLICIES

1. Complete a minimum of 60 semester credits of approved coursework as outlined in the college catalog. Thirty nine (39) semester credits comprise the general education requirement depending on which mathematics course is completed. The degree requires an additional 21 credits selected from the list of approved electives. Students should select their elective courses in consultation with their academic advisor based on the student's declared program of study and educational goal.
2. Earn a minimum cumulative grade point average of 2.0 (a "C" average).
3. Earn 15 semester credits of coursework prior to graduation through Northeastern Junior College.
4. File an Application for Graduation in the Records Office.
5. Resolve all financial obligations to the college and return all library and college materials.

All students earning an Associate of Science degree must complete 39 semester credits of the following general education requirements.

General Education Requirements

Courses that fulfill the General Education requirements are listed on pages 44-47.

Oral Communication –3 credits (CCCS requirement)
- COM 115 Public Speaking OR
- COM 125 Interpersonal Communication OR
- COM 220 Intercultural Communication

Written Communication – 6 credits
- ENG 121 (GT-CO1) and ENG 122 (GT-CO2) OR
- ENG 122 (GT-CO2) and one Advanced Writing Course (GT-CO3)

Mathematics – 3 credits minimum. (Courses range from 3-5 credits)
- MAT 121 College Algebra (GT-MA1) OR
- MAT 122 College Trigonometry (GT-MA1) OR
- MAT 166 Pre-Calculus (GT-MA1) OR
- MAT 201 Calculus I (GT-MA1) or higher

Arts & Humanities - 6 credits

Two guaranteed transfer Arts & Humanities courses:
- Arts & Expressions (GT-AH1)
- Literature & Humanities (GT-AH2)
- Ways of Thinking (GT-AH3)
- Foreign Languages (GT-AH4)

Social and Behavioral Science - 6 credits

Two guaranteed transfer Social & Behavioral Sciences courses:
- History (GT-HI1)
- Economic & Politicial Systems (GT-SS1)
- Geography (GT-SS2)
- Human Behavior & Social Systems (GT-SS3)

History - 3 credits
- One guaranteed transfer History course (GT-HI1)

Physical & Life Sciences – 12 credits minimum

One 2-lab course sequence in any guaranteed transfer science discipline (GT-SC1) and additional guaranteed transfer lab science course(s) (GT-SC1).
- Astronomy (GT-SC1)
- Biology (GT-SC1)
- Chemistry (GT-SC1)
- Geology (GT-SC1)
- Intro to Human Disease (GT-SC2)
- Physics (GT-SC1)

NJC graduation requirement: Lifetime Fitness/Wellness Skills.
Requirement: Any two unduplicated credits (two 1 credit courses or one 2+ credits course)
Courses that will fulfill this requirement: Any 1 credit hour PED or DAN course excluding PED 110, 111, 210, 211 or any of the following HWE courses:

- *HWE 100 Human Nutrition on our campus (20% can add activity component)
- AGR 175 & 176 ST: Rodeo Practice
- HWE 111 Health & Wellness
- HWE 124 Fitness & Wellness
- HWE 103 Community First Aid & CPR
- HWE 113 Standard First Aid

*HWE 100 only if taught on the NJC campus. On campus sections will contain at least 20% activity component. If taught off-campus, the instructor needs to coordinate with campus officials regarding the activity component if they want to use this course to fulfill this requirement.

Programs of study set forth by state-wide articulation agreements may be exempt from the Lifetime Fitness/Wellness Skills requirements.

Electives - 21 credits selected from the list of Approved A.A./A.S. Electives on Pages 46-47.

Elective Credits. Elective credits for Associate of Arts and Associate of Science degrees should be chosen in conjunction with the student's major and in consultation with his/her advisor. Transferability of these courses is dependent upon the transfer agreement developed with each four-year college or university. It is in the student's best interest to see an advisor before selecting electives on pages 46-47.

ASSOCIATE OF SCIENCE AREAS OF EMPHASIS

Astronomy

Recommended General Education Courses:

AST 101 Astronomy I	4
AST 102 Astronomy II	4
CHE 111 General College Chemistry I	5
MAT 121 College Algebra	4
PHY 211 Physics: Calculus-Based I	5
PHY 212 Physics: Calculus-Based II	5

Electives:

BIO 111 General College Biology I and	5
BIO 112 General College Biology II OR	5
CHE 111 General College Chemistry I and	5
CHE 112 General College Chemistry II OR	5
GEY 111 Physical Geology and	4
GEY 121 Historical Geology	4
MAT 122 College Trigonometry	3
MAT 203 Calculus III	5
MAT 266 Differential Equations	4

Biology

NJC offers a comprehensive life and health sciences program. It will meet most of the entrance requirements for many of the allied health professions such as physical therapy, pharmacy, chiropractic, pre-dentistry, pre-medicine, and pre-veterinary medicine. In addition, this program is advantageous for students interested in wildlife management, forestry, or teacher licensure programs with an emphasis in biological sciences. Students will have a broad preparation and will gain the skills needed to enter some professional programs, industry or other professions including biotechnology, agribusiness, food industries, cosmetics and sales. Students entering this program should have a strong science and mathematics background in high school.

Recommended General Education Courses:

BIO 111 General College Biology I	5
BIO 112 General College Biology II	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
PHY 111 Physics: Algebra-Based I	5
PHY 112 Physics: Algebra-Based II	5

Electives:

BIO 160 Introduction to Biotechnology	3
BIO 201 Human Anatomy/Physiology I	4
BIO 202 Human Anatomy/Physiology II	4
BIO 204 Microbiology	4
BIO 208 General College Microbiology	5
BIO 211 Cell Biology	4
BIO 220 General Zoology	5
CHE 211 Organic Chemistry I	5
CHE 212 Organic Chemistry II	5
MAT 135 Introduction to Statistics	3

Biotechnology

The biotechnology program gives students the skills needed to transfer to a four-year program in biotechnology or to gain an entry-level position in the field of biotechnology. Upon completion of three semesters of coursework at NJC, students will transfer to the Community College of Aurora to complete the Associate of Science degree (through NJC) in state-of-the-art laboratory facilities at the Higher Education and Advanced Technology (HEAT) Center at Lowry.

Recommended General Education Courses:

BIO 111 General College Biology I	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
MAT 121 College Algebra	4

Electives taken at NJC:

BIO 160 Introduction to Biotechnology	3
BIO 204 Microbiology	4
BIO 208 General College Microbiology	5
BIO 211 Cell Biology	4

Electives taken at Community College of Aurora:

BIO 268 Methods in Cell Biology and Immunology	4
BIO 269 Nucleic Acids & Cloning	4
BIO 280 Internship	3
CHE 211 Organic Chemistry Lab	1
ENG 131 Technical Writing	3

Chemistry

The chemistry program at NJC is intended to give students the background necessary to succeed as a chemistry major at most four-year colleges. The curriculum includes courses in chemistry, mathematics, and physics.

A student wishing to pursue biochemistry could substitute PHY 111 and 112 (Algebra-Based Physics) for PHY 211 and PHY 212 (Calculus-Based Physics) and would not need to take MAT 203 (Calculus III). For these students, it would also be beneficial to take BIO 111 (General College Biology I), and BIO 211 (Cell Biology).

Recommended General Education Courses:

CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
MAT 201 Calculus I	5
MAT 202 Calculus II	5
PHY 211 Physics: Calculus-Based I	5
PHY 212 Physics: Calculus -Based II	5

Electives:

BIO 111 General College Biology I (should be taken if the student plans to study Biochemistry)	5
CHE 211 Organic Chemistry I	5
CHE 212 Organic Chemistry II	5
MAT 203 Calculus III	5

Environmental Science

Recommended General Education Courses:

BIO 111 General College Biology I	5
BIO 112 General College Biology II	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
ENV 101 Intro to Environmental Science	4
GEY 111 Physical Geology	4
GEY 121 Historical Geology	4
MAT 201 Calculus I	5

Electives:

ECO 202 Principles of Microeconomics	3

Geology

The geology program at NJC is intended to give geology students the background necessary to succeed as geology majors at a four-year institution. The curriculum includes geology, chemistry, physics, and mathematics courses generally required for a Bachelor of Science degree in geology at a four-year institution.

Recommended General Education Courses:

BIO 111 General College Biology I	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
GEY 111 Physical Geology	4
GEY 121 Historical Geology	4

Electives:

AGY 240 Introductory Soil Science	4
GEY 175 Special Topics: Geology or GEY 208 Geology Field Trip	1-3
MAT 122 College Trigonometry	3
MAT 201 Calculus I	5
MAT 202 Calculus II	5

Microbiology

Recommended General Education Courses:

BIO 111 General College Biology I	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
MAT 201 Calculus I	5

Electives:

BIO 208 General College Microbiology	5
CHE 211 Organic Chemistry I	5
CHE 212 Organic Chemistry II	5

Physics/Pre-Engineering

Students are able to complete the first two years of their physics or engineering program at NJC. Classes provide engineering students a strong foundation in mathematics, physics, chemistry, and computer science, enabling them to be successful in their engineering major at their transfer institution.

Recommended General Education Courses:

MAT 201 Calculus I	5
MAT 202 Calculus II	5
PHY 211 Physics: Calculus-Based I	5
PHY 212 Physics: Calculus-Based II	5

Electives:

CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
EGG 271 Theoretical Mechanics – Statics	3
EGG 272 Theoretical Mechanics – Dynamics	3
MAT 203 Calculus III	5
MAT 266 Differential Equations	4

Pre-Dentistry

Recommended General Education Courses:

BIO 111 General College Biology I	5
BIO 112 General College Biology II	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
PHY 111 Physics: Algebra-Based I	5
PHY 112 Physics: Algebra-Based II	5

Electives:

CHE 211 Organic Chemistry I	5
CHE 212 Organic Chemistry II	5

Pre-Medicine

Recommended General Education Courses:

BIO 111 General College Biology I	5
BIO 112 General College Biology II	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
MAT 201 Calculus I	5
PHY 111 Physics: Algebra-Based I	5
PHY 112 Physics: Algebra-Based II	5

Electives:

CHE 211 Organic Chemistry I	5
CHE 212 Organic Chemistry II	5
MAT 202 Calculus II (pre-med student needs at least 6 Math credits)	5

Pre-Nursing

(for transfer to the University of Colorado Anschutz Medical Campus)

Recommended General Education Courses:

ANT 101 Cultural Anthropology	3
BIO 111 General College Biology I	5
ECO 202 Principles of Microeconomics	3
MAT 121 College Algebra	4
PHI 111 Introduction to Philosophy	3
PHI 112 Ethics	3
PSY 101 General Psychology I	3
SOC 101 Introduction to Sociology I	3

Electives:

BIO 201 Human Anatomy/Physiology I	4
BIO 202 Human Anatomy/Physiology II	4
BIO 204 Microbiology	4
CHE 111 General College Chemistry I (required if student did not take chemistry in high school)	5
HWE 100 Human Nutrition	3
MAT 135 Introduction to Statistics	3
PSY 235 Human Growth & Development	3

Pre-Nursing

(designed for transfer to the University of Northern Colorado)
Recommended General Education Courses:

ANT 101 Cultural Anthropology	3
BIO 111 General College Biology I	5
ECO 202 Principles of Microeconomics	3
MAT 135 Introduction to Statistics	3
PHI 112 Ethics	3
PSY 101 General Psychology I	3
SOC 101 Introduction to Sociology I	3

Electives:

BIO 201 Human Anatomy/Physiology I	4
BIO 202 Human Anatomy/Physiology II	4
BIO 204 Microbiology	4
PSY 235 Human Growth & Development	3

Pre-Pharmacy

Recommended General Education Courses:

BIO 111 General College Biology I	5
BIO 112 General College Biology II	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
ECO 202 Principles of Microeconomics	3
MAT 201 Calculus I	5
PHY 111 Physics: Algebra-Based I	5
PHY 112 Physics: Algebra-Based II	5

Electives:

BIO 201 Human Anatomy/Physiology I	4
BIO 202 Human Anatomy/Physiology II	4
BIO 204 Microbiology	4
BIO 208 General College Microbiology	5
CHE 211 Organic Chemistry I	5
CHE 212 Organic Chemistry II	5

*Prerequisites will vary depending on the 4-year institution.

Pre-Veterinary Medicine

Recommended General Education Courses:

BIO 111 General College Biology I	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
MAT 121 College Algebra	4
PHY 111 Physics: Algebra-Based I	5

Electives:

BIO 220 General Zoology	5
BIO 112 General College Biology II	5
BIO 204 Microbiology	4
BIO 208 General College Microbiology	5
BIO 211 Cell Biology	4
CHE 211 Organic Chemistry I	5
CHE 212 Organic Chemistry II	5

Pre-Vet is not a major at a 4-year institution. Students should also consult the requirements for their chosen major.

Sports Medicine/Athletic Training

The Sports Medicine/Athletic Training degree at Northeastern Junior College is designed to introduce students to the demanding sports medicine career. Students gain knowledge in assessment and treatment of athletic injuries and have an opportunity to apply these skills to Northeastern's athletic teams. This program is designed to successfully transfer to a four year university program.

Electives:

PER 127 Intro to Sports Medicine	2
PER 188 Athletic Training Practicum I	1
PER 232 Care/Prevention of Athletic Inj	3
PER 288 Athletic Training Practicum II	2
BIO 201 Human Anatomy & Physiology I	4
BIO 202 Human Anatomy & Physiology II	4
CIS 118 Introduction PC Applications	3
EMS 115 First Responder	3
HPR 217 Kinesiology	4
HWE 237 Exercise/Nut & Body Comp	3

Wildlife Biology

Recommended General Education Courses:

BIO 111 General College Biology I	5
BIO 112 General College Biology II	5
ECO 202 Principles of Microeconomics	3
PHY 111 Physics: Algebra-Based I	5

Electives:

AGY 240 Introductory Soil Science	4
BIO 220 General Zoology	5
CHE 107 Fundamentals of General Chemistry	5
MAT 122 College Trigonometry	3
MAT 166 Pre-Calculus	5
MAT 201 Calculus I	5

Zoology

Recommended General Education Courses:

BIO 111 General College Biology I	5
BIO 112 General College Biology II	5
CHE 111 General College Chemistry I	5
CHE 112 General College Chemistry II	5
PHY 111 Physics: Algebra-Based I	5
PHY 112 Physics: Algebra-Based II	5

Electives:

BIO 220 General Zoology	5
CHE 211 Organic Chemistry I	5
CHE 212 Organic Chemistry II	5

Other Pre-Professional Programs: Students should see an academic advisor to develop a plan of study for the following areas.

- Pre-Chiropractic
- Pre-Dental Hygiene
- Pre-Forestry
- Pre-Medical Technology
- Pre-Mortuary
- Pre-Occupational Therapy
- Pre-Optometry
- Pre-Physical Therapy
- Pre-Radiologic Technology
- Pre-Speech Pathology
- Pre-Surgery Technology

ASSOCIATE OF GENERAL STUDIES DEGREE (A.G.S.) (60 CREDITS)

The Associate of General Studies (A.G.S.) degree is available for individuals who desire to complete a broad instructional program of courses with or without constraints of specialization but with flexibility to tailor individual learning experiences. There are two types of AGS degrees. This first type of the AGS degree is designed to meet individual career goals with no intent of transferring to baccalaureate degree programs. It consists of a broad program of both career and traditional transfer courses without the constraints of specialization. Transferability of this customized degree program depends upon the courses taken and the receiving institution. Fifteen of these semester hours must be in prescribed general education courses labeled as those accepted in the State Guarantee General Education Transfer and designated as such in the college catalog.
The second type of the AGS degree is used as a technical pre-professional transfer degree with a major field specified. It is designed for students to transfer into a baccalaureate degree program with junior standing, based on a written articulation agreement with one or more designated institutions. The course of study for the various fields of specialization must be outlined in the college catalog as well as the identification of the baccalaureate institution(s) that have agreed to accept the program in transfer. The other hours will be subject to the terms of the agreement with the baccalaureate institution(s).

GRADUATION REQUIREMENTS AND POLICIES

1. Complete a minimum of 60 semester credits of approved coursework.
2. Thirty (30) semester credits of the total coursework must be taken in general education and professional coursework.
3. Students should select their elective courses in consultation with their academic advisor based on the student's declared program of study and educational goal. No more than 30 semester credits of coursework are to be in Career and Technical Education prefixed courses or community education courses.
4. Earn a minimum cumulative grade point average of 2.0 (a "C" average).
5. Earn 15 semester credits of coursework prior to graduation through Northeastern Junior College.
6. File an Application for Graduation in the Records Office.
7. Resolve all financial obligations to the college and return all library and college materials.

GENERAL EDUCATION REQUIREMENTS

Students earning the Associate of General Studies degree must complete 30 semester credit hours of the following general education requirements. Any course designated as a Guarantee Transfer Course (see list on pages 44-47) will also fulfill a general education requirement for the AGS degree in the appropriate category. Additional courses are listed under the respective categories below.

I. Oral Communication - a minimum of 3 semester credits required:

COM 115 Public Speaking	3
COM 125 Interpersonal Communication	3
COM 219 Group Dynamics	3

II. Written Communication - a minimum of 3 semester credits required:
See Guarantee Transfer courses on pages 44-47 or

ENG 131 Technical Writing	3

III. Mathematics - a minimum of 3 semester credits required:
See Guarantee Transfer courses on pages 44-47 or

MAT 112 Financial Mathematics	3

IV. Science - a minimum of 4 semester credits required:
See Guarantee Transfer courses on pages 44-47 or

AGY 100 General Crops	4
AGY 240 Introductory Soil Science	4
BIO 106 Basic Anatomy & Physiology	4
CHE 103 Agricultural Chemistry	4
CHE 107 Fundamentals of General Chemistry	5
HPR 217 Kinesiology	4

V. Social and Behavioral Science — a minimum of 3 semester credits required:
See Guarantee Transfer courses on pages 44-47 or

ECO 105 Introduction to Economics	3
MAN 128 Human Relations in Organization	3
SOC 218 Sociology of Diversity	3

VI. Humanities —a minimum of 3 semester credits required:
See Guarantee Transfer courses on pages 44-47 or

LIT 255 Children's Literature	3
PHI 115 World Religions West	3
PHI 116 World Religions East	3
SPA 111 Spanish Language I	5
SPA 112 Spanish Language II	5
SPA 115 Spanish for the Professional I	3
SPA 215 Spanish for the Professional II	3

VII. NJC graduation requirement: Lifetime Fitness/Wellness Skills.
Requirement: Any two unduplicated credits (two 1 credit courses or one 2+ credits course)
Courses that will fulfill this requirement: Any 1 credit hour PED or DAN course excluding PED 110, 111, 210, 211 or any of the following HWE courses:

- *HWE 100 Human Nutrition on our campus (20% can add activity component)
- AGR 175 & 176 ST: Rodeo Practice
- HWE 111 Health & Wellness

- HWE 124 Fitness & Wellness
- HWE 103 Community First Aid & CPR Lifetime Fitness/Wellness
- HWE 113 Standard First Aid

*Agriculture transfer students pursuing an AGS degree are exempt from this graduation requirement. Effective for new students entering Fall 2011.

*HWE 100 only if taught on the NJC campus. On campus sections will contain at least 20% activity component. If taught off-campus, the instructor needs to coordinate with campus officials regarding the activity component if they want to use this course to fulfill this requirement.
Effective date: Summer 2010 to coincide with the 2010-2011 College Catalog.

SECOND ASSOCIATE DEGREE

Second Associate Degree

Students may earn more than one degree or certificate at Northeastern Junior College as long as all course requirements for each separate degree or certificate are satisfied. Additional conditions that apply are:

1. General Education Core requirements need not be repeated.
2. Cooperative Education or On-The-Job Training or Clinical credits may not be used for the second degree or certificate if any of the credits were earned for the first degree or certificate.
3. Transfer and/or originating NJC students may not be awarded a second AA, AS, or AGS degree.
4. Students may work on more than one degree concurrently.
5. No more than two degrees may be awarded (completed) for any given semester.

AGRICULTURE TRANSFER PROGRAMS

Northeastern Junior College has a long, rich tradition of strong transfer programs that are patterned after the freshman and sophomore years of the bachelor degree programs in the Colorado State University College of Agricultural Sciences. Students completing an Associate of General Studies degree in anyone of the below listed programs should be able to successfully transfer as a junior to Colorado State or other four-year colleges or universities offering degrees in agriculture or horticulture. Students planning to transfer to other four-year colleges or universities will work closely with an advisor to assure a successful transfer.

- Agriculture Business
- Agriculture Communications/Journalism
- Agriculture Economics
- Agriculture Education
- Animal Science - Industry Concentration
- Animal Science - Science Concentration
- Crop and Soil Science
- Equine Science - Industry Concentration
- Equine Science - Science Concentration
- Farm and Ranch Management
- Pre-Veterinary Medicine
- Range Management
- *Recommended General Education Courses for Agriculture Transfer Programs are listed on the next page.*

	Agriculture Business	Agriculture Communication	Agriculture Economics	Agriculture Education	Animal Science Industry	Animal Science Science	Crop & Soil Science	Equine Industry	Equine Science	Farm & Ranch Management	Pre-Veterinary Medicine
COMMUNICATIONS											
COM 115 Public Speaking	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠
ENG 121 English Comp I	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠
ENG 122 English Comp II	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠
MATHEMATICS											
MAT 135 Statistics					✠			✠			
MAT 121 College Algebra	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠
MAT 125 Survey Calculus	✠		✠							✠	✠
SCIENCE											
BIO 111 Coll Biology I w/lab	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠
BIO 112 Coll Biology II w/lab						✠			✠		✠
CHE 107 Fun Gen Chem	✠		✠	✠	✠			✠		✠	
CHE 111 Coll Chem I w/lab						✠	✠		✠		✠
CHE 112 Coll Chem II w/lab						✠	✠		✠		✠
CHE 205 Intro Organic Chem					✠			✠			✠
CHE 211 Org Chem I w/lab						✠	✠		✠		✠
CHE 212 Org Chem II w/lab						✠			✠		✠
SOCIAL & BEHAVIORAL SCIENCE											
AGE 102 Ag Economics*	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠
ECO 201 Macroeconomics	✠	✠	✠					✠	✠	✠	
HISTORICAL PERSPECTIVES											
HIS 201 U S History to Reconstruction*	✠		✠		✠	✠	✠	✠	✠	✠	✠
HIS 202 U S History Since the Civil War*	✠		✠		✠	✠	✠	✠	✠	✠	✠
GLOBAL & CULTURAL AWARENESS											
AGR 260 World Interdependence	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠	✠
ARTS/HUMANITIES											
Refer to Page 44 for List of GT Approved Courses											
FOUNDATION AG COURSES											
ASC 100 Animal Sciences	✠	✠	✠	✠	✠	✠		✠	✠	✠	✠
ASC 225 Feeds & Feeding					✠	✠		✠	✠		✠
AGE 102 Ag Economics	✠	✠	✠	✠						✠	
AGE 205 Farm/Ranch Mgmt	✠		✠	✠						✠	
AGY 100 Gen Crop Production	✠	✠	✠	✠			✠			✠	
AGY 240 Intro Soil Science				✠			✠				

* Students choose only one of the following from each major category or any GT Pathways Course.

Each major will have additional course requirements and recommended electives based on the program requirements at CSU.