Match your interests with a course of study

The first step toward academic and career success is to select a field that matches a person's interests and values. Some students come to college with clearly defined career goals. Many do not. The Strong Interest Inventory™ can help the student identify interests — and match them with possible occupations. This inventory assessment can be taken at the Clark College Career Center.

Interests and talents tend to fall into certain patterns or themes. The Strong Interest Inventory™ uses six Holland themes: Realistic, Investigative, Artistic, Social, Enterprising and Conventional. The following descriptions help to further define each of these themes and how they relate to different types of people. Graphic symbols are used to identify these themes throughout this catalog. Each professional/technical and transfer course of study is marked with the interest patterns most likely to match it.

People who have **REALISTIC** interests are likely to enjoy creating things with their hands. They tend to be rugged, practical, physically strong and enjoy working outdoors. They prefer working with objects, tools, machines and animals, rather than ideas and people.

Those whose interests are **INVESTIGATIVE** enjoy analyzing, problem-solving and research. Their focus is on data, ideas and theories. They tend to be curious, original and independent, and prefer working alone rather than with others.

Individuals with **ARTISTIC** interests are inclined to be unconventional, creative, expressive and intense. They prefer unstructured working situations and coworkers who are also creative and individualistic.

People with **SOCIAL** interests are at their best working with people rather than machines. They are concerned about the welfare of others and enjoy teaching, training, helping and serving other people. They tend to be cheerful, articulate, responsible and socially adept.

ENTERPRISING people are usually good at leading and persuading others. They tend to be enthusiastic, self-confident, energetic and adventurous. They prefer persuading and directing other people rather than working with objects or data.

Those with **CONVENTIONAL** interests tend to be stable, dependable and thorough. They prefer using verbal or numerical skills and are most comfortable working with clearly defined tasks in structured environments.

Strong Interest Inventory TM is a trademark of Stanford University Press. Consulting Psychologists Press is the exclusive Publisher of the Strong Interest Inventory TM.

Attention Graduates of Clark County High Schools

All of the programs in this catalog—both transfer and professional/technical—have been categorized by the Holland Code. Some students have had an introduction to the Holland Code through their high school career centers.

Many students have had the opportunity to choose a Career Path during high school and to select classes which fit their interests and personalities. These Career Paths are related to the Holland Code, although some may use different words to identify the interests related to each path. The following information has been compiled to help identify interest areas and career paths and to match them with programs offered at Clark College.

Clark College Career Path Options

Code Pathway	Personal Characteristics	Career Occupations
R Realistic Technical	Doer	Professional/Technical
I Investigative Sciences	Thinker	Science
A Artistic Arts	Artist	Artistic
S Social Social and Human Services	Helper	Social Service/Education
E Enterprising Marketing and Management	Influencer	Business
A & I Research & Communication	Communicator	Information Services

Technical Careers

Agriculture
- Agronomy
- Animal Science
- Horticulture
- Nursery Management
- Turf Management

Air Force ROTC Program

Army ROTC Program

Social Services/ Education Careers

Chemical Dependence Counselor

Early Childhood Education

Education

Family Life

Physical Education

Research & Communication Careers

English

Foreign Language

International Studies

Journalism

Library Science

Social Science
- Anthropology
- Economics
- History
- Political Science
- Psychology
- Sociology

Women's Studies

Science Centers

Biological Sciences
- Biology
- Botany
- Forestry
- Genetics
- Marine Biology
- Microbiology
- Wildlife
- Zoology

Chemistry

Chiropractic/Naturopathic

Computer Science

Dental Hygiene

Dentistry

Engineering

Environmental Science

Geology

Mathematics

Medicine
- Physician
- Physician Assistant

Optometry

Pharmacy

Physical Therapy

Physics

Veterinary Medicine

Art Careers

Art
- Graphic Design
- Photography

Music

Theatre

Business Professional Careers

Business Administration

International Business

Law

Co-Admission

The Easy Transition from Clark College to Washington State University Vancouver

Complete a Bachelor's Degree

Students who plan to earn a WSU Vancouver baccalaureate degree can now simultaneously apply for admission to Clark College and WSU Vancouver.

Track A Students may be co-admitted as a transfer to WSU Vancouver, and continue studies at Clark, after satisfactory completion of 40 transferable quarter credits.

Track B Students who meet WSU's freshmen admission criteria can be granted co-admission at the beginning of their freshman year.

How does Co-Admission Work?

- Co-admitted students receive advising from both Clark College and WSU Vancouver advisors and faculty.
- Once a student completes Clark College courses in a program of study with the required GPA, transfer will be guaranteed into the specified program at WSU Vancouver assuming the continuation of state resources.
- Requirements for a program of study will not change for eight* years once a student has been granted co-admission.
- After completing 70 transferable quarter credits, students may enroll in classes at WSU Vancouver while completing Clark College course work for an associate degree.

* Provided that external factors such as accreditation or certification requirements do not change.

Why Begin at Clark College?

At Clark, you can complete lower division course work for 40 different transfer majors, including all WSU Vancouver bachelorÕs degree programs.

YouÕll save money by paying community college tuition for your first two years and also the cost of living away from home.

Why WSU Vancouver

At this beautiful, urban campus you'll learn in modern facilities with the latest technologies. You have a special opportunity to converse face-to-face with Ph.D. faculty, learning in a small college setting with a major research university curriculum.

Bachelor Degree Programs at WSU Vancouver:

- Anthropology
- Biology
- Business
- Computer Science
- Digital Technology & Culture
- Education
- English
- Humanities*
- Human Development
- Manufacturing Engineering
- Nursing
- Psychology
- Public Affairs
- Social Sciences*

* These degrees offer specialized areas of study in a variety of fields such as: criminal justice, history, human resource management, political science and sociology.

For more information, contact the Clark College Admissions Office at (360) 992-2107
or visit the co-admission website at www.clark.edu/co-admission

Transfer Programs

Clark College offers a selection of transfer courses which satisfy the lower division requirements of four-year institutions in Washington and Oregon. Students are advised to consult the current catalogs of the institutions to which they wish to transfer and to carefully consult with program advisors at both Clark College and the transfer college.

State of Washington Transfer Policy

The College endorses the Policy on Inter-College Transfer among Washington Public Colleges and Universities approved by the Higher Education Coordinating Board in February 1986. The following excerpts from the policy are printed here as information for transfer students.

- **Students Right and Responsibilities**

  Students have the right to fair and equitable treatment from public colleges and universities in Washington. They have the right to expect reasonable efforts on the part of colleges to make accurate and current information available. They have, in turn, the responsibility of seeking current information pertaining to their educational objectives and for acquiring appropriate information when they change their academic plans. When a student changes major or degree programs, the student shall assume full responsibility for meeting the new requirements. Colleges shall make every effort to help students make transitions.

- **Review and Appeal**

  Students who encounter transfer difficulties shall first seek resolution through the receiving institution's transfer officer. If not resolved at this level, the student may appeal in writing to the transfer officer of the sending institution. The transfer officers will attempt to solve the problem. In the event the transfer officers cannot solve the problem within two weeks, the matter will be referred to the two chief academic/instructional officers for resolution. Within two weeks, after the academic officers have conferred, a decision will be rendered by the chief academic officer of the receiving institution.

- **Direct Transfer Agreements**

  The direct transfer agreement ensures that a student who completes the Associate in Arts or degree will have satisfied all or most of the basic (general education) requirements. This means, generally, that transfer students can begin work on their specialized major area of coursework as soon as they transfer. Some transfer institutions may require additional general education or preparatory courses for the major.

- **The following colleges subscribe to the direct transfer agreement:**

Bastyr University
Central Washington University
City University
Concordia College
Cornish College of the Arts
Eastern Washington University
The Evergreen State College
Gonzaga University
Heritage College
Marylhurst University
Northwest College
Pacific Lutheran University
Portland State University
Saint Martin's College
Seattle University
Seattle Pacific University
University of Washington
Warner Pacific College
Washington State University
Western Washington University
Whitworth College

Clark College/Washington State University Vancouver Co-Admission

Beginning fall 2003, students who plan to transfer to WSU Vancouver can apply for admission to both colleges simultaneously. Please see facing page for more information.

Evening Transfer Programs

Students who are employed full- or part-time and are planning to transfer to a four-year institution can complete their lower division requirements by attending evening classes offered at Clark College. Evening classes in each department are listed in the schedule for each quarter.

Transfer Program Options

The following transfer options are available at Clark College and the recommended programs of study may be found in this section.

- **Agriculture**
  - Agronomy
  - Animal Science
  - Horticulture
  - Nursery Management
  - Turf Management
- **Air Force ROTC Program**
- **Army ROTC Program**
- **Art**
  - General Art
  - Graphic Design
  - Photography
- **Biological Sciences**
  - Biology
  - Botany
  - Forestry
  - Genetics
  - Marine Biology
  - Microbiology
  - Wildlife
  - Zoology
- **Business Administration**
- **Chemical Dependence Counselor**
- **Chemistry**
- **Chiropractic/Naturopathic**
- **Computer Science**
- **Dental Hygiene**
- **Dentistry**
- **Early Childhood Education**
- **Education**
- **Engineering**
- **English**
- **Environmental Science**
- **Family Life**
- **Foreign Language**
- **Forensic Science**
- **Geology**
- **Health Education and Physical Education**
- **International Business**
- **International Studies**
- **Journalism**
- **Law**
- **Library Science**
- **Mathematics**
- **Medicine**
  - Physician
  - Physician Assistant
- **Music**
- **Optometry**
- **Pharmacy**
- **Physical Therapy**
- **Physics**
- **Social Science**
  - Anthropology
  - Economics
  - History
  - Political Science
  - Psychology
  - Sociology
- **Speech Communication**
- **Theatre**
- **Veterinary Medicine**
- **Women's Studies**

Associate in Arts Degree Transfer Information

Students who earn Clark College's Associate in Arts or Associate in Science degree will normally be able to transfer to most Washington colleges and universities with junior standing, having met lower division general education requirements. The College endorses the Policy on Inter-College Transfer among Washington Public Colleges and Universities approved by the Higher Education Coordinating Board in February 1986.

1. Students who plan to transfer from Clark College to another college or university are advised of the following:
   a. Transferring students will be expected to meet the entrance requirements of other institutions at the time they transfer. The transferability of courses taken at Clark College is determined by the institution to which the student transfers. Most Clark College transfer courses are accepted by other institutions.
   b. Vocational courses are not transferable to all institutions, but they may transfer to some selected four-year schools. Students should work closely with faculty advisors before attempting to transfer vocational coursework.
   c. Students may earn a total of more than 90 college-level credits at Clark College, but the total number of credits accepted for transfer is determined by the institution to which they transfer.
   d. Courses numbered below 100 will not transfer to any four-year college.
2. A student should follow the procedures given below to satisfactorily complete a transfer to a senior institution.
   a. Obtain a current catalog of the institution to which he/she wishes to transfer. Study the entrance requirements and suggested freshman- and sophomore-level courses in the major field of interest. Institutions differ in their treatment of credits received with an "S" grade.
   b. Confer with a Clark College counselor or advisor about transfer needs. Transfer guides from Washington and Oregon institutions are available on the websites of the transfer institutions.
   c. Confer, either by letter or personal interview, with an admissions officer at the senior institution for information about curriculum and transfer regulations.
   d. Check carefully a quarter or two before transfer to be sure that all requirements will be met and all regulations observed to the satisfaction of the senior institution.

Last minute changes in a student's major field of study or choice of senior institution may create transfer problems. Such changes should be made only after consultation with advisors, both at Clark and at the transfer institution.

Agriculture-Horticulture

Agriculture provides for a wide variety of career opportunities. Some of the professions open to those with an agriculture degree are: agricultural engineering; compliance officer and inspector; pest control worker; agricultural sales representative and agricultural science.

Agriculture

Associate in Arts Degree

This is a suggested program for the first two years of major study in Agriculture. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible. Additional courses are needed to satisfy requirements for the Associate in Arts degree.

First Quarter

AG	130	Introduction to Horticulture	5 credits
AG	175	Animal Science	5 credits
or	200	Soils	5 credits
CHEM	100	Preparatory Inorganic Chemistry	4 credits
or	131	General Inorganic Chemistry	5 credits

Second Quarter

BIOL	201	Evolution and Ecology	5 credits
ENGL	101	English Composition	3 credits
MATH	095	Intermediate Algebra	5 credits
		Computer Technology elective	5 credits
		Agriculture elective	5 credits

Third Quarter

ENGL	211	Technical Report Writing II	3 credits
BIOL	202	Biochemistry, Molecular Genetics, and Development	5 credits
or	203	Animal and Plant Physiology	5 credits
MATH	105	Finite Mathematics	5 credits
or	111	College Algebra	5 credits
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits
or	212	Oral Communication in Business	3 credits

Fourth Quarter

AG	140	Plant Propagation	5 credits
or	135	Deciduous Landscape Plant Identification	5 credits
		Elective	5 credits
BIOL	203	Animal and Plant Physiology	5 credits
BUS	101	Introduction to Business	5 credits

Fifth Quarter

CHEM	131	General Inorganic Chemistry	5 credits
or	132	General Inorganic Chemistry	5 credits
		Social science elective	5 credits
		Physical Education activity	1 credit
		Agriculture elective	5 credits

Sixth Quarter

CHEM	132	General Inorganic Chemistry	5 credits
or	133	General Inorganic Chemistry	4 credits
		Health, any course except 104 or 205	2 credits
		Business or Agriculture elective	5 credits
		Agriculture elective	5 credits

Air Force and Army ROTC Programs

Air Force ROTC Program

Under a cooperative agreement with the University of Portland, Clark College students may participate in the Air Force Reserve Officer Training Corps (Air Force ROTC) offered on the University of Portland campus. The purpose of the program, which is administered by the Aerospace Studies faculty at the University of Portland, is to select and train students to serve as officers in the United States Air Force. Air Force ROTC offers to men and women a two- and four-year program, both of which lead to an Air Force commission. Scholarships are available on a competitive basis for those who qualify. For more information, see the University of Portland catalog or contact the Air Force Program Counselor, University of Portland, at (503) 943-7216 or by e-mail at airforce@up.edu.

Army ROTC Program

Under a cooperative agreement with the University of Portland, Clark College students may participate in the Army Reserve Officer Training Corps (Army ROTC) offered on the University of Portland and Portland State University campuses. The purpose of the program, which is administered by the Military Science faculty at the University of Portland, is to select and train students to serve as officers in the United States Army. Army ROTC offers Basic and Advanced Programs leading to an officer commission in the U.S. Army. Scholarships are available on a competitive basis for those who qualify. For more information, see the University of Portland or the Portland State University catalogs. You may also contact the University of Portland's Department of Military Science at (503) 943-7353 or (800) 224-4568 ext. 7353.

Art

Art

The Clark College Art Department offers many classes to help students prepare for advanced studies at a four-year institution, enter an art profession directly, or simply enrich the spirit. Clark's Art faculty is composed of a complementary blend of highly qualified instructors possessing advanced degrees as well as recognized working professionals who bring with them the practical knowledge of the art marketplace.

Students planning to transfer to a college, university, or art school should see an advisor in the Art Department to plan an individualized program. Architecture, Interior Design and Design majors should also see an advisor in the Art Department. Students transferring to art schools should contact the prospective art school for advice on what to take at Clark.

The creative talents of artists have always been in demand by a wide range of professions. Though the computer is a dynamic new tool for the artist, a good foundation in drawing and design remains essential no matter the choice of medium.

Some of the professions open to creative artists are:

- Animation
- Art Education
- Art History
- Art Therapy
- Crafts
- Fashion Design
- Fine Art
- Graphic Design
- Illustration
- Industrial Design
- Interior Design
- Photography
- Web Design

Art—General

This is a suggested program for the first two years of major study in Art. Lower division course requirements will vary depending on the transfer institution. Contact an advisor at the transfer institution to determine required coursework as early as possible.

- **Major Area Requirements**

First Quarter

ART	103	Drawing I	3 credits
ART	115	Design Fundamentals I	4 credits
ENGL	101	English Composition	3 credits
MATH	105	Finite Mathematics	5 credits

Second Quarter

ART	104	Drawing II	3 credits
ART	116	Design Fundamentals II	4 credits
ENGL	102	English Composition	3 credits
		Social Science elective	5 credits

Third Quarter

ART	105	Drawing III	3 credits
ART	117	Design Fundamentals III	4 credits
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits
		Social Science elective	5 credits

Fourth Quarter

ART	154	Art History	5 credits
or	157	Art History	5 credits
		Science elective*	5 credits
		Social Science elective	5 credits

Fifth Quarter

ART	155	Art History	5 credits
or	156	Art History	5 credits
		Art elective	3 credits
		Humanities elective*	3 credits
		Science elective*	5 credits

Sixth Quarter

HPE	258	Fitness-Wellness	3 credits
		Humanities elective*	3 credits
		Science elective*	5 credits

* Humanities electives: 2 departments other than Art.
* Science electives: 2 departments including one lab science.

Art—Photography

This is a suggested program for the first two years of major study in Art. Lower division course requirements will vary depending on your transfer institution. Contact your transfer institution to determine required coursework as early as possible.

Major Area Requirements

First Year

ART	130	Basic Camera I	2 credits
ART	140	Photography I	4 credits
ART	141	Photography II	4 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
GRCP	120	Photoshop Fundamentals: Photoshop, ImageReady	4 credits
MATH	105	Finite Mathematics	5 credits
		Art electives	12 credits
		Social Science electives (or trade with Science)	10 credits

Second Year

ART	115	Design Fundamentals I	4 credits
ART	116	Design Fundamentals II	4 credits
ART	146	Digital Photography II	4 credits
ART	156	Art History	5 credits
		Science electives	5 credits
		Humanities electives	5 credits
		Social Science electives	10 credits
HPE	258	Fitness-Wellness	3 credits
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits
		Art electives	12 credits

Recommended Art and GRCP Electives

ART	103	Drawing I	3 credits
ART	104	Drawing II	3 credits
ART	143	Photography III	4 credits
ART	290	Special Projects (photography)	1-3 credits
GRCP	219	Image Capture and Preparation	4 credits
JOUR	121	College Newspaper (Photography)	1-5 credits

Refer to the Degree Requirements section of the Clark College catalog to identify the courses needed to satisfy the general education requirements

Art—Graphic Design

This is a suggested program for the first two years of major study in Art. Lower division course requirements will vary depending on your transfer institution. Contact your transfer institution to determine required coursework as early as possible.

Major Area Requirements

First Quarter

ART	103	Drawing I	3 credits
ENGL	101	English Composition	3 credits
GRCP	120	Photoshop Fundamentals: Photoshop, ImageReady	4 credits
HPE	258	Fitness-Wellness	3 credits

Second Quarter

ART	104	Drawing II	3 credits
ART	115	Design Fundamentals I	4 credits
ENGL	102	English Composition	3 credits
		Lab Science elective	5 credits

Third Quarter

ART	116	Design Fundamentals II	4 credits
ART	156	Art History	5 credits
MATH	105	Finite Mathematics	5 credits
or	109	Principles of Mathematics	5 credits
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits

Fourth Quarter

		Art electives	5 credits
and/or		Graphic Communications electives	5 credits
		Humanities elective	3 credits
		Science elective	5 credits

Fifth Quarter

GRCP	230	Web Authoring and Design: Dreamweaver	4 credits
		Social Science electives	10 credits

Sixth Quarter

ART	174	Typography	3 credits
		Humanities elective	3 credits
		Science elective	5 credits
		Social Science elective	5 credits

Recommended Art and Graphic Communications Electives

ART	117	Design Fundamentals III	4 credits
ART	145	Digital Photography I	3 credits
ART	146	Digital Photography II	4 credits
ART	154	Art History	5 credits
ART	155	Art History	5 credits
ART	157	Art History	5 credits
ART	206	Human Figure I	2 credits
GRCP	115	Electronic Publishing: Quark, PageMaker	4 credits
GRCP	213	Motion Graphics and Animation: Flash	4 credits

Total Credits Required **94-96 credits**
(including general education requirements)

Refer to the Degree Requirements section of the Clark College catalog to identify the courses needed to satisfy the general education requirements

Biological Sciences

Biological sciences are the basic foundation for many professions. Upper division requirements at the transfer institution will determine the area of specialization. Students should work with a faculty advisor to develop a specific program.

Professional Opportunities

Following completion of a Bachelor of Arts or Science Degree at a four-year institution of the student's choice, several avenues of employment or advancement are open. A few of these are:

- Physical Therapy
- Food Processing
- Commercial Fisheries
- Graduate School
- State and Federal Wildlife agencies
- Science teaching at elementary or secondary level
- Environmental Sciences
- Movement into Health Science (medical, dental, pharmacy or optometry)

Clark's Biological Sciences majors have had excellent success in finding placement in graduate programs, health science programs and professional areas. Clark College offers the first two years of most Biological Sciences majors: Biology, Botany, Forestry, Genetics, Marine Biology, Microbiology, Wildlife and Zoology. Special emphasis is placed on small class size, individual instruction, field experiences and undergraduate research opportunities. There is good exchange between the support areas of Chemistry, Geology and Physics to aid in developing revenant courses.

Biological Sciences

This is a suggested program for the first two years of major study in Biology. An Associate in Arts degree is recommended; although an Associate in Science degree is available. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible.

Major Area Requirements

First Year

BIOL	201	Evolution & Ecology	5 credits
BIOL	202	Biochemistry, Molecular Genetics and Development	5 credits
BIOL	203	Animal and Plant Physiology	5 credits
CHEM	131	General Inorganic Chemistry	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
CHEM	135	Introduction to Quantitative Inorganic Analysis	2 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
		Health elective	2 credits
		Humanities/Social Science electives	15 credits
MATH	103	College Trigonometry (as needed)	5 credits
MATH	111	College Algebra	5 credits
or	105	Finite Mathematics*	5 credits
MATH	113	Calculus I	5 credits
or	106	Elements of Calculus*	5 credits
		PE activity	1 credit
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits

Second Year

CHEM	211	Organic Chemistry	5 credits
CHEM	212	Organic Chemistry	5 credits
CHEM	213	Organic Chemistry	3 credits
CHEM	214	Introduction to Qualitative Organic Analysis	2 credits
		Humanities/Social Science electives	15 credits
PHYS	101	General Physics	5 credits
PHYS	102	General Physics	5 credits
PHYS	103	General Physics	5 credits
or			
PHYS	201	Engineering Physics	5 credits
PHYS	202	Engineering Physics	5 credits
PHYS	203	Engineering Physics	5 credits
BIOL	240	Microbiology*	5 credits

Optional Courses

BIOL	208	Field Studies	1-10 credits
or	224	Flowering Plants of the Pacific Northwest	5 credits
BIOL	139	Introduction to Wildlife	3 credits
BIOL	140	Mammals of the Pacific Northwest*	3 credits
or	141	Birds of the Pacific Northwest	3 credits
or	143	Introduction to Forestry	3 credits
or	144	Marine Biology	3 credits
BIOL	145	Reptiles and Amphibians of the Pacific Northwest	3 credits
		Elective	5 credits

* Check with chosen 4-year school.

Business Administration

The broad field of business provides for a wide variety of career opportunities. Some of the professions open to those with a business administration degree are business executive and manager, financial manager, health services manager, hotel and motel manager, public administrator, restaurant manager, and small business operator/entrepreneur.

Typical duties might include developing and administering business plans to increase profits, identifying strategies and implementing policies for maintaining good relations with customers and the community, interacting with other key managers within the organization to establish goals overseeing the finances of a department or the entire organization, and supervising, training and evaluating staff members.

Salaries may range from $42,000 to $125,000 per year. They vary within the industry, company size, and location and are dependent upon the person's scope of responsibilities, experience, and education.

Students may select an area of specialization (e.g., accounting, finance, marketing, management) in which to major at their transfer institution. Students should check with individual colleges to meet specific requirements.

Business Administration

Associate in Arts Degree

This is a suggested program for the first two years of major study in Business Administration. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible.

Major Area Requirements

First Quarter

MATH	105	Finite Mathematics	5 credits
or	111	College Algebra	5 credits
ENGL	101	English Composition	3 credits
		Additional general education requirements	8 credits

Second Quarter

MATH	106	Elements of Calculus	5 credits
ENGL	102	English Composition	3 credits
		Lab Science	5 credits
		Additional general education requirements	3 credits

Third Quarter

BTEC	150	Microcomputer Business Applications	5 credits
SPEE	101	Oral Communications	3 credits
or	201	Small Group Communications	3 credits
		Additional general education requirements	8 credits

Fourth Quarter

BUS	231	Principles of Accounting	5 credits
ECON	201	Macroeconomics	5 credits
		Additional general education requirements	5 credits

Fifth Quarter

BUS	203	Descriptive Statistics	3 credits
BUS	232	Principles of Accounting	5 credits
ECON	202	Microeconomics	5 credits
		Additional general education requirements	3 credits

Sixth Quarter

BUS	204	Inferential Statistics	3 credits
BUS	224	Business Law (limited to some colleges)	5 credits
BUS	233	Managerial Accounting	5 credits
		Additional general education requirements	3 credits

Minimum credits required **90 credits**
(including general education requirements)

Refer to the Degree Requirements section in the Clark College Catalog to identify the courses needed to satisfy the general education requirements.

Chemical Dependence Counselor

Chemical Dependence Counselor

Associate in Arts Degree

Students who earn Clark College's Associate in Arts degree qualify to transfer to most Washington colleges and universities with junior standing. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as soon as possible.

Major Area Requirements

CDEP	101	Survey of Chemical Dependence	3 credits
CDEP	122	Introduction to Counseling CDEP Clients	3 credits
CDEP	125	Chemical Dependence Group Counseling	3 credits
CDEP	136	Law and Ethics in Addictions Counseling	3 credits
CDEP	160	Alcohol-Drug Physiology	3 credits
CDEP	201	Theories of Counseling	3 credits
PSYC	101	General Psychology	5 credits
PSYC	211	Human Development	5 credits

Minimum credits required **90 credits**
(including general education requirements)

Refer to the Degree Requirements section in the Clark College Catalog to identify the courses needed to satisfy the general education requirements.

Chemistry

Chemistry is the study of the properties of materials and the changes that materials undergo. One of the joys of learning chemistry is seeing how chemical principles operate in all aspects of our lives, from everyday activities like lighting a match to more far-reaching matters like the development of drugs to cure cancer.

People who have degrees in chemistry hold a variety of positions in industry, government and academia. Those who work in the chemical industry find positions as laboratory chemists, carrying out experiments to develop new products (research and development), analyzing materials (quality control), or assisting customers in using products (sales and services). Analytical and control chemists usually have at least a bachelor's degree. Those with more experience or training may work as managers or company directors.

Clark College's Chemistry Department offers a multifaceted curriculum designed to meet a variety of needs—from those of students pursuing a health-related Applied Science Degree to requirements for earning an Associate in Science or an Associate in Arts Degree in Chemistry, Biology, Engineering or Physics.

Chemistry

This is a suggested program for the first two years of major study in chemistry. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible. Courses in computer applications are recommended for all students. Additional courses are needed to satisfy graduation requirements for the Associate in Science or the Associate in Arts degree.

First Quarter

CHEM	131	General Inorganic Chemistry	5 credits
ENGL	101	English Composition	3 credits
GERM	101	First-Year German*	5 credits
MATH	111	College Algebra	5 credits
		Health and Physical Education electives	3 credits

Second Quarter

CHEM	132	General Inorganic Chemistry	5 credits
ENGL	102	English Composition	3 credits
or	211	Technical Report Writing II	3 credits
GERM	102	First-Year German*	5 credits
MATH	113	Calculus I	5 credits

Third Quarter

CHEM	133	General Inorganic Chemistry	4 credits
CHEM	135	Introduction to Quantitative Inorganic Analysis	2 credits
GERM	103	First-Year German*	5 credits
MATH	211	Calculus II	5 credits

Fourth Quarter

CHEM	211	Organic Chemistry	5 credits
MATH	212	Calculus III	5 credits
PHYS	201	Engineering Physics	5 credits
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits

Fifth Quarter

CHEM	212	Organic Chemistry	5 credits
MATH	213	Calculus IV	5 credits
PHYS	202	Engineering Physics	5 credits

Sixth Quarter

CHEM	213	Organic Chemistry	3 credits
CHEM	214	Introduction to Qualitative Organic Analysis	2 credits
MATH	221	Differential Equations	5 credits
PHYS	203	Engineering Physics	5 credits

* Please check with your transfer institution regarding foreign language requirements.

Refer to the Degree Requirements section in the Clark College Catalog to identify the courses needed to satisfy the general education requirements.

Chiropractic/Naturopathic

Chiropractic/Naturopathic

Chiropractic schools vary in admission requirements. The following is a suggested course of study that includes most of the required courses for entry. Please contact the transfer institution for specific requirements.

First Year

CHEM	131	General Inorganic Chemistry	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
SPEE	101	Oral Communication	3 credits
		Health and Physical Education electives	3 credits
		Social Science elective	5 credits

Second Year

BIOL	231	Human Anatomy and Physiology I	4 credits
BIOL	232	Human Anatomy and Physiology II	4 credits
BIOL	233	Human Anatomy and Physiology III	4 credits
BIOL	240	Microbiology	5 credits
CHEM	211	Organic Chemistry	5 credits
CHEM	212	Organic Chemistry	5 credits
PHYS	101	General Physics	5 credits
PHYS	102	General Physics	5 credits
PHYS	103	General Physics	5 credits
		Social Science electives	10 credits

Computer Science

It is recommended that any student considering transferring to a university or four-year college in computer science contact the Computer Science Department for advice in determining a proper course of study. See Professional/Technical programs for Associate in Applied Science Degree or Certificate of Proficiency information.

Dental Hygiene

A student graduating from the dental hygiene program may earn either an Associate in Applied Science Degree in Dental Hygiene or an Associate in Arts degree in Dental Hygiene. Both of these degrees will transfer directly to the Eastern Washington University Bachelor Degree in Dental Hygiene program offered on the Clark College campus. Although the coursework for the BS program is completed on the Clark campus, EWU provides all course offerings and grants the degree. All coursework for this degree can be completed in 12 months. Call the program director at (360) 992-2528 for more information.

The Associate in Arts Degree in Dental Hygiene will transfer directly to four-year universities within the state of Washington. Contact an advisor for more information.

Dentistry

Dentistry

Admission to dental school is highly competitive. The pre-dental student should make personal contact with a dental school to gain information about admission standards and requirements. Students should choose electives which broaden their intellectual and social backgrounds such as courses in speech, fine arts, languages, literature, business administration, and the behavioral sciences. Most students entering dental schools today have had three to four years of college pre-dental study.

Dental schools admit a limited number of students. Because of this, pre-dental students should keep in mind a possible alternative objective such as teaching science, pharmacology, or laboratory technology.

The following is a suggested course of study that includes most of the required courses for entry. Please contact the transfer institution for specific requirements.

First Year

BIOL	201	Evolution & Ecology	5 credits
BIOL	202	Biochemistry, Molecular Genetics, & Development	5 credits
BIOL	203	Animal & Plant Physiology	5 credits
CHEM	131	General Inorganic Chemistry	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
CHEM	135	Introduction to Quantitative Inorganic Analysis	2 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
MATH	105	Finite Mathematics	5 credits
or	111	College Algebra	5 credits
MATH	106	Elements of Calculus	5 credits
or	113	Calculus I	5 credits
PSYC	101	General Psychology I	5 credits

Second Year

BIOL	240	Microbiology	5 credits
CHEM	211	Organic Chemistry	5 credits
CHEM	212	Organic Chemistry	5 credits
PHYS	101	General Physics	5 credits
PHYS	102	General Physics	5 credits
PHYS	103	General Physics	5 credits
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits
		Health and Physical Education electives	3 credits
		Electives	5 credits

Early Childhood Education

Students preparing to transfer should make an early decision and contact the four-year school to which they will transfer. The Early Childhood Education coordinator can help in planning a schedule, based on the four-year school's requirements. The department has made transfer agreements with several colleges to date.

Education

Teachers play a direct role in the life of almost every person and in the development of society as a whole. Shortages of trained educators are anticipated in the near future as many of those currently working in the profession reach retirement age.

Elementary teachers instruct students in basic concepts in several subjects, including mathematics, language arts, science and social studies. They also introduce small children to formal learning in kindergarten.

Secondary teachers usually specialize in teaching one subject to high school students such as English, music, history, mathematics, languages, biology, chemistry, or others. Many secondary teachers spend at least some time teaching outside of their subject area. Duties may also include attending staff meetings, supervising extracurricular activities and meeting with parents.

A minimum of a bachelor's degree with teaching certification is required to teach in grades kindergarten through 12.

Prospective education students should consult with an education advisor to plan a course of study. At Clark College students usually complete general education requirements within the Associate in Arts degree. A specific course of study should be planned based upon the requirements of the senior institution where the student will transfer.

Education

This is a suggested program for the first two years of major study in Elementary Education. Secondary Education students typically focus on the content area of study at Clark. Lower division course requirements will vary depending on the transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible. Additional courses are needed to satisfy graduation requirements for the Associate in Arts degree.

Major Area Requirements

The following basic classes are recommended:

BIOL	104	General Biology	5 credits
or		other life science elective	
ED	201	Introduction to Education	3 credits
ED	290	Special Projects	1-5 credits
ED		To Be Announced	3 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
HIST	101	Survey of World Civilization	5 credits
and	102	Survey of World Civilization	5 credits
and	103	Survey of World Civilization	5 credits
or			
HIST	131	United States History	5 credits
and	132	United States History	5 credits
and	133	United States History	5 credits
HPE	258	Fitness/Wellness	3 credits
MATH	120	Math for Elementary Teachers	5 credits
MATH	121	Math for Elementary Teachers	5 credits
PSYC	101	General Psychology I	5 credits
PSYC	211	Human Development	5 credits
SPEE	101	Oral Communication	3 credits

Major Area Electives

The following Education Department courses offer an introduction to the teaching profession and are recommended for prospective teachers. Education 201 (Introduction to Education) is recommended in a course sequence before the other Education Department offerings. English 101 and PSYC 211 (Human Development) are strongly recommended. It is also recommended that courses be taken in the listed sequence:

ED	201	Introduction to Education	3 credits
ED		To Be Announced	3 credits
ED	211	Classroom Management	3 credits
ED	221	Instructional Strategies	3 credits
ED	231	Curriculum and Instruction	3 credits
ED	241	The Teacher and the Law	2 credits

Students may also accrue additional field experience by registering for ED 199 (Cooperative Work Experience) and/or ED 290 (Special Projects).

Engineering

Engineering is a profession where the engineer is challenged to develop creative solutions to problems related to every aspect of life, through the application of mathematical and scientific principles, experience, and common sense.

Engineers plan, develop, design, and oversee the research of projects. They work in teams to design integrated systems and solve complex technical problems. Engineers develop and use software to simulate and test products and systems.

New engineering fields are emerging with changing technology. The traditional academic fields of study include:

- Aeronautical/Areospace
- Biomedical
- Ceramic
- Chemical/Pulp and Paper
- Civil
- Computer
- Electrical/Electronics
- Environmental
- Forestry
- Manufacturing/Industrial
- Marine
- Materials
- Mechanical
- Software

Engineering

This is a suggested program for the first two years of a four-year Bachelor of Science engineering program. These lower division course requirements will vary depending on Math and English placement at Clark College, and the requirements of the four-year institution to which you transfer. It is critical that you work with an Engineering advisor to ensure your program will give you the maximum benefit when you transfer.

The general requirement courses with an * and the elective courses are determined by your field of study and transfer institution. See your Engineering advisor.

General Requirements

CHEM 131	General Inorganic Chemistry	5 credits
CHEM 132	General Inorganic Chemistry*	5 credits
CHEM 133	General Inorganic Chemistry*	4 credits
CHEM 135	Intro to Quantitative Analysis*	2 credits
CTEC 125	Introduction to C	5 credits
ENGL 101	English Composition	3 credits
MATH 113	Calculus I	5 credits
MATH 211	Calculus II	5 credits
MATH 212	Calculus III	5 credits
MATH 213	Calculus IV	5 credits
MATH 215	Linear Algebra*	5 credits
MATH 221	Differential Equations	5 credits
PHYS 201	Engineering Physics	5 credits
PHYS 202	Engineering Physics	5 credits
PHYS 203	Engineering Physics	5 credits
	Communications elective	3 credits
	Health/PE	3 credits
	Humanities elective	5 credits
	Social Sciences elective	5 credits
	Additional Humanities and/or Social Science elective	5 credits

Engineering Electives

ENGR 107	Intro to Aerospace Engineering	3 credits
ENGR 110	General Engineering	5 credits
ENGR 111	Introduction to Engineering	5 credits
ENGR 112	Engineering Graphics	3 credits
ENGR 114	Basic AutoCAD	3 credits
ENGR 115	Geometric Dimensioning and Tolerancing	2 credits
ENGR 150	Basic SolidWorks	3 credits
ENGR 199	Cooperative Work Experience	1-5 credits
ENGR 211	Statics	5 credits
ENGR 212	Strength of Materials	5 credits
ENGR 213	Dynamics	5 credits
ENGR 214	AutoCAD Customization	3 credits
ENGR 221	Material Science	5 credits
ENGR 239	Manufacturing Processes	5 credits
ENGR 250	Digital Logic Design	5 credits
ENGR 251	Electrical Circuits	5 credits
ENGR 252	Electrical Circuits	5 credits
ENGR 253	Electrical Circuits	5 credits
ENGR 280	Selected Topics	1-5 credits
ENGR 290	Special Projects	1-6 credits

English

The Clark College English department offers myriad courses ranging from composition writing to studies of Shakespeare to science fiction writing classes.

The fundamental courses offered by Clark's English department are designed to teach students to use the library, conduct research, comprehend material, analyze information, evaluate ideas, develop and organize their own ideas, use correct word choice and grammar, proofread and edit, and improve both their verbal and written communication.

A four-year degree in English can serve as the foundation for a career in writing, law, business, or education. Many students pursuing a career in secondary education have earned their associate in arts transfer degree in English at Clark and continued their coursework at WSU Vancouver, earning their bachelor of arts in English and a secondary education certificate, or a masters in teaching.

Exceptional English students can earn credit and gain valuable teaching experience working as English tutors. The College's Tutoring/Writing Center provides free assistance to students, aiding them in becoming more effective and evaluative writers.

Because course requirements vary at each institution, students interested in pursuing a four-year degree in English should work with advisors at Clark and their transfer institution to develop a course of study.

English

English department courses typically transfer to four-year institutions. However, students should contact their transfer institution to clarify each course's transferability.

The following are courses offered by the English department:

Pre-College Courses

ENGL 097	Writing Fundamentals	3 credits
ENGL 098	Writing Fundamentals	3 credits
ENGL 099	Writing Fundamentals	3 credits

College Composition

ENGL 101	English Composition	3 credits
ENGL 102	English Composition	3 credits
ENGL 103	Advanced English Composition	3 credits
ENGL 105	English Grammar	3 credits

Creative Writing Courses

ENGL 121	Creative Writing	3 credits
ENGL 125	Fiction Writing	3 credits
ENGL 126	Poetry Writing	3 credits
ENGL 130	Introduction to Literature	3 credits

Literature

ENGL 131	Introduction to Poetry	3 credits
ENGL 132	Introduction to Dramatic Literature	3 credits
ENGL 133	Introduction to Fiction	3 credits
ENGL 140	Women in Literature	3 credits
ENGL 143	Science Fiction and Fantasy	3 credits
ENGL 150	Introduction to Classical Mythology	3 credits
ENGL 152	The Bible as Literature	3 credits
ENGL 157	The Novel	3 credits
ENGL 199	Cooperative Work Experience	3 credits
ENGL 212	Business Communications	3 credits
ENGL 225	Fiction Writing	3 credits
ENGL 226	Poetry Writing	3 credits
ENGL 260	World Literature	3 credits
ENGL 264	British Literature	3 credits
ENGL 268	American Literature	3 credits
ENGL 272	Introduction to Shakespeare	3 credits

Special

ENGL 280	Selected Topics	3 credits
ENGL 290	Special Projects	3 credits
ENGL 299	Special Studies	3 credits

Environmental Science

Environmental scientists apply mathematics and scientific principles to solve environmental problems. They develop ways to reduce, correct or prevent damage to the environment.

Following the completion of a Bachelor of Arts or Science degree at a four-year institution of the student's choice, several avenues of employment or advancement are open. A few of these are:

- Environmental engineering
- Environmental law
- State and federal wildlife agencies
- Environmental science teaching at the elementary or secondary level
- Environmental research scientist
- Environmental planning/policy analyst
- Non-profit environmental organizations

Environmental Science is a highly interdisciplinary field, students interested in careers in the Environmental Sciences will need a fundamental understanding of a variety of sciences and social sciences.Depending on specific career objectives, students pursuing a four-year degree in Environmental Science may want to emphasize additional course work in such fields as Biology, Chemistry, Physics, Geology, Oceanography or the Atmospheric Sciences. Students planning careers in Environmental Studies, Environmental Regulation and Policy, or Regional Planning may want to emphasize additional course work in the Social Sciences, Business, or Economics.

Environmental Science

This is a suggested program for the first two years of major study in Environmental Science. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible.

First Year

CHEM	131	General Inorganic Chemistry	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
CHEM	135	Introduction to Quantitative Inorganic Analysis	2 credits
GEOL	101	Introduction to Geology I	5 credits
GEOL	102	Introduction to Geology II	5 credits
MATH	106	Elements of Calculus	5 credits
or	113	Calculus I	5 credits
		English/Speech electives	9 credits
		Humanities or Social Science electives	15 credits

Second Year

BIOL	201	Evolution and Ecology	5 credits
BIOL	202	Biochemistry, Molecular Genetics, and Development	5 credits
BIOL	203	Animal and Plant Physiology	5 credits
MATH	203	Descriptive Statistics	3 credits
PHYS	101	General Physics	5 credits
or	201	Engineering Physics	5 credits
PHYS	102	General Physics	5 credits
or	202	Engineering Physics	5 credits
PHYS	103	General Physics	5 credits
or	203	Engineering Physics	5 credits
		Health and Physical Education electives	3 credits
		Humanities or Social Science electives	15 credits

WSU-Vancouver: For students transferring to the WSUV as Biology majors with a concentration in Environmental Science, additional required courses include:

BIOL	101	Environmental Biology	5 credits
CHEM	211	Organic Chemistry	5 credits
CHEM	212	Organic Chemistry	5 credits
ECON	202	Microeconomics	5 credits
SOC	101	General Sociology	5 credits

WSUV transfer students should secure admission to their respective WSUV degree program before taking additional courses beyond those required for an AA degree from Clark College. This will allow the student to transfer more credits and apply these courses to their WSUV degree.

Family Life

Family Life is concerned with the quality of living of individuals within their families and society. The Clark College curriculum has been planned to develop greater self-understanding, meaningful interpersonal relations, and increased sensitivity to human problems and needs.

Students planning to transfer to a four-year institution to work toward a bachelor's degree in child and family studies should choose courses according to the requirements of the school to which they expect to transfer. Counselors and Early Childhood Education faculty can help students plan their coursework.

Foreign Language

Foreign language proficiency is an important skill for more and more Americans who must compete professionally in a global economy. It is a marketable skill in such diverse fields as medicine, government, science, technology, banking, trade, industry, communications, teaching, and social work. Clark College language students apply their skills not only to employment but also to upper-division transfer studies at four-year universities.

Classes emphasize learning strategies that are necessary to communicate in the real world. Language clubs provide active support and opportunities for using the language ranging from film series and round-table discussion groups to field trips and cultural presentations.

Program Options

Students who intend to major in a foreign language at a four-year institution should consider two years of study in one language. Clark offers two-year programs (elementary, intermediate) in three areas:

- French
- German
- Spanish

The department also offers introductory programs (elementary) in two areas:

- Japanese
- Russian

International Studies Certificate

The International Studies Certificate Program allows students to earn two years of foreign language credit while meeting the distribution requirements for the Associate in Arts Degree.See requirements under International Studies in this section.

Study Abroad

In cooperation with the Clark College International Studies Center, the department provides the following language and cultural opportunities:

- French immersion/study in Lausanne, Switzerland at the University of Lausanne.
- German immersion in a student exchange program with the Heinrich Heine Gymnasium in Oberhausen, Germany.
- Spanish immersion/study at the University of Valladolid in Valladolid, Spain.

International Cooperative Work Experience

Qualified students can immerse themselves in another culture while completing a job assignment in another country. Students generally work during the summer months and arrange their own work placement. Credits earned may be used toward a degree or certificate.

Geology

Geology is the study of the Earth's chemistry, physics, and history. Geologists work to understand the complex systems at work in our planet and, through this work, to understand the origin and evolution of the landscapes that surround us. Geologists work in natural resource development, natural hazard management, environmental monitoring and pollution mitigation. Research projects encompass everything from glacier systems to volcanoes to the fossil history of the evolution of life.

This is a suggested program for the first two years of major study in Geology. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible. Additional courses are needed to satisfy graduation requirements for the Associate in Science or the Associate in Arts degree.

First Quarter

ENGL 101	English Composition	3 credits
GEOL 101	Introduction to Geology	5 credits
MATH 113	Calculus I	5 credits
	Humanities or Social Science elective	5 credits

Second Quarter

ENGL 102	English Composition	3 credits
GEOL 102	Physical Geology	5 credits
MATH 211	Calculus II	5 credits
	Humanities or Social Science elective	5 credits

Third Quarter

GEOL 103	Historical Geology	5 credits
GEOL 208	Field Studies in Geology	3-6 credits
MATH 212	Calculus III	5 credits
SPEE 101	Oral Communications	3 credits
	Humanities or Social Science elective	5 credits

Fourth Quarter

CHEM 131	General Inorganic Chemistry	5 credits
PHYS 201	Engineering Physics	5 credits
	Physical Education activity	1 credit
	Humanities or Social Science elective	5 credits

Fifth Quarter

CHEM 132	General Inorganic Chemistry	5 credits
PHYS 202	Engineering Physics	5 credits
	Health elective	2 credits
	Humanities or Social Science elective	5 credits

Sixth Quarter

CHEM 133	General Inorganic Chemistry	4 credits
CHEM 135	Introduction to Quantitative Inorganic Analysis	2 credits
GEOL 208	Field Studies in Geology	3-6 credits
PHYS 203	Engineering Physics	5 credits
	Humanities or Social Science elective	3 credits

Refer to the Degree Requirements section in the Clark College Catalog to identify the courses needed to satisfy the general education requirements.

Health Education and Physical Education

Challenging and rewarding career opportunities are available with a degree in Health and Physical Education. They include: exercise science, exercise physiology, fitness management, sports medicine, athletic training, sports psychology, health promotion, community health, wellness, physical therapy and biomechanics/kinesiology. Qualified applicants usually have a strong science background with exemplary communication skills. These recommended courses provide the solid academic foundation necessary for careers in these fields.

Students interested in becoming certified to teach Physical Education and/or Health Education in the Washington state public school system should refer to both this curriculum and the course of study for education.

Students interested in working as a certified personal trainer should contact the Health and Physical Education (HPE) division for suggested coursework.

Physical Education

This is a suggested program for the fist two years of major study in Physical Education. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible. Additional courses may be needed to satisfy requirements for the Associate in Arts degree. Refer to the Degree Requirements section of the Clark College Catalog to identify the general education courses needed to earn the A.A. degree.

- **CORE coursework for <u>all</u> health and physical education career opportunities:**

BIOL	160	Human Biology	4 credits
BIOL	161	Human Biology Lab	1 credit
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
HPE	258	Fitness -Wellness	3 credits
PSYC	101	General Psychology	5 credits
PSYC	211	Human Development	5 credits
SPEE	101	Oral Communication	3 credits
SOC	101	General Sociology	5 credits
HIST	101	Survey of World Civilization	
or	131	United States History	5 credits

Exercise Science or Pre-Physical Therapy

- **Exercise science or pre-physical therapy majors should take the following coursework in addition to core coursework:**

CHEM	131	General Inorganic Chemistry	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
MATH	113	Calculus I	5 credits
PHYS	101	General Physics	5 credits
PHYS	102	General Physics	5 credits
PHYS	103	General Physics	5 credits

Health and Physical Education

- **Recommended coursework for health education, health promotion, wellness, physical education or fitness related fields:**

CHEM	111	Integrated Chemistry	5 credits
CHEM	112	Integrated Chemistry	5 credits
HLTH	100	Food and Your Health	2 credits
HLTH	101	Health for Adult Living	3 credits
HLTH	220	First Aid	3 credits
HPE	266	Mind-Body Health	3 credits
HUM		Additional Humanities Credits	12 credits
MATH		College Algebra or higher	5 credits
NUTR	103	General Nutrition (health emphasis)	3 credits
PHYS	105	Introduction to Physics (PE emphasis)	5 credits

- **Additional elective courses emphasizing physical education may be taken:**

PE	291	Care & Prevention of Athletic Injuries	3 credits
PE	293	Mental Performance in Sports	3 credits
PE	294	Sport in Society	3 credits
PE		Five (5) PE Activity Courses*	5 credits

*Choose from a variety of activity sports including at least one from Individual Skills, Team Sports, and Fitness

- **Additional elective courses emphasizing health education and promotion may be taken:**

HLTH	103	Environmental Health	2 credits
HLTH	205	Human Sexuality	3 credits
HLTH	207	Women's Health	2 credits
HLTH	210	Multicultural Health	2 credits

Personal Training

- **The following courses are suggested for students preparing to become personal trainers:**

BIOL	160	Human Biology	4 credits
BIOL	161	Human Biology Lab	1 credit
HLTH	100	Food and Your Health	2 credits
HLTH	220	First Aid	3 credits
HPE	258	Fitness -Wellness	3 credits
HPE	280	Selected Topics (for Personal Trainers)	3-5 credits
PE	104	Circuit Fitness	1 credit
PE	107	SAQ (Speed, Agility, Quickness)	1 credit
PE	115	Weight Training - General I	1 credit
PE	117	Weight Training - Power Lifting I	1 credit
PE	199	Cooperative Work Experience	2 credits
PE	291	Care & Prevention of Athletic Injuries	3 credits
PE	293	Mental Performance in Sports	3 credits

International Business

Students interested in international business may plan a program emphasizing business, a foreign language, world history, international relations, geography, social science, and a specific academic area of concentration.

The University of Washington, Portland State University, Oregon State University, and other colleges in the Pacific Northwest have programs leading to degrees in international business.

International Studies

The International Studies Certificate Program recognizes the growing importance of global interdependence and diversity. It is of special interest to students planning careers in fields emphasizing backgrounds in such areas as foreign languages, regional studies, business, and economics.

Study Languages Abroad

The most effective way to learn a language is to study and live among native speakers. Clark College offers Foreign Language Immersion Programs for students who want to improve their language skills through travel and study abroad. Programs to study French, German and Spanish in Europe and Japanese in Japan are offered.

The International Studies Certificate offers students the opportunity to emphasize international topics when selecting courses which meet the distribution requirements for the Associate in Arts degree. A student may complete both the Certificate and the Associate degree with a total of 90 credits.

International Studies

International Studies Certificate

The International Studies Certificate Program allows students to earn two years of foreign language credit while meeting the distribution requirements for the Associate in Arts Degree.

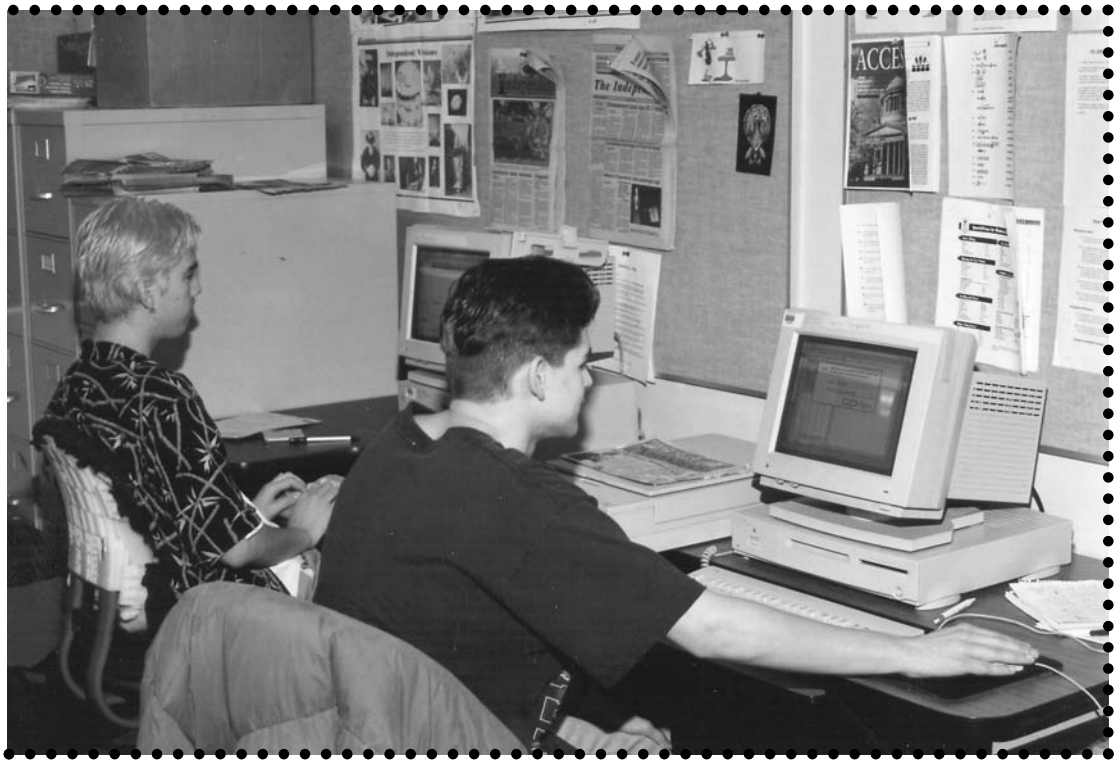
Certificate Requirements

1. Students must complete the general education requirements for the Associate in Arts degree as listed in the Clark College Catalog.
2. Students must complete 32 credits of international core classes and an additional 23 credits of approved courses as part of the required 90 credits.

Core Courses

ANTH	103	Introduction to Cultural Anthropology	5 credits
BIOL	101	Environmental Biology	5 credits
GEOG	107	Economic Geography (or may be taken as ECON 107)	5 credits
HIST	101	Survey of World Civilization	5 credits
or	102	Survey of World Civilization	5 credits
or	103	Survey of World Civilization	5 credits
SPEE	216	Cross-Cultural Communication	3 credits
and		Foreign Language (9 credits of 200-level classes in one of the following foreign languages: French, German,or Spanish)	9 credits

For a complete list of approved courses and/or sample programs, please contact an advisor in the International Center or a faculty member in the Foreign Language Department.



Journalism

Journalism offers more opportunities to meet interesting people than just about any other career. At the same time, it provides experience that can be useful in many other fields: technical writing, law, politics, publishing, and public relations.

Students interested in pursuing a career in journalism should take Clark's basic sequence of news writing and editing courses and should work on the student newspaper, *The Independent*.

Several paid positions are available each year for student editors; expertise in computer graphics is desirable.

In addition to Clark's journalism courses, students should take a variety of courses that offer a broad general education and prepare them to transfer to a four-year school offering a degree in journalism or a related field. Speech 120 offers a foundation for understanding how the media function in our society and is highly recommended. English 101, 102 and 103 will improve the ability to write clearly and do documented research accurately. Courses in the social sciences (particularly political science), history, literature, and science will provide a background for accurate reporting and the interpretation of data.

Students should make every effort to develop relevant computer skills while at the community college. These skills include word processing, electronic publishing, computer graphics, and the Internet. Students should consult the journalism faculty for assistance in program planning.

Journalism

This is a suggested program for the first two years of major study in Journalism. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible. Additional courses are needed to satisfy requirements for the Associate in Arts degree.

Suggested Courses

BTEC	122	Word for Business	5 credits
CTEC	105	Introduction to the Internet	3 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
ENGL	103	Advanced English Composition	3 credits
GRCP	115	Electronic Publishing: Quark, PageMaker	4 credits
JOUR	101	Introduction to Journalism	3 credits
JOUR	121	College Newspaper	1-5 credits
JOUR	122	College Newspaper	1-5 credits
JOUR	123	College Newspaper	1-5 credits
JOUR	201	Advanced Newswriting	3 credits
JOUR	221	College Newspaper	1-5 credits
JOUR	222	College Newspaper	1-5 credits
JOUR	223	College Newspaper	1-5 credits
SPEE	120	Mass Communication and Society	3 credits

Law

Law programs are pursued by those with interests in accounting, corporate management, public administration, politics, criminal investigation, and attorneyship. Most law schools do not prescribe specific undergraduate curricula, but recommend courses appropriate for the baccalaureate degree of the student's choice. Pre-law students should have certain goals in their college program; i.e., the ability to read, write, and speak English well, a critical understanding of human values and institutions, and the creative power to think.

Suggested Courses:

BUS	101	Introduction to Business	5 credits
BUS	224	Business Law	5 credits
BUS	231	Principles of Accounting	5 credits
BUS	232	Principles of Accounting	5 credits
or	233	Managerial Accounting	5 credits
ECON	201	Macroeconomics	5 credits
ECON	202	Microeconomics	5 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
ENGL	103	Advanced English Composition	3 credits
HIST	101	Survey of World Civilization	5 credits
HIST	102	Survey of World Civilization	5 credits
HIST	103	Survey of World Civilization	5 credits
HIST	131	United States History	5 credits
HIST	132	United States History	5 credits
HIST	133	United States History	5 credits
PHIL	101	Introduction to Philosophy	5 credits
PHIL	170	Introduction to Logic	5 credits
PHIL	240	Ethics	5 credits
POSC	111	American National Government and Politics	5 credits
POSC	131	State and Local Government	5 credits
PSYC	101	General Psychology I	5 credits
SOC	101	General Sociology	5 credits
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits

Library Science

The professional librarian is trained in a graduate school of librarianship after completing a baccalaureate degree. Undergraduate work should provide a broad general education including familiarity with computers and the Internet, and may include a foreign language. Technical librarians should stress the sciences. School librarians are trained as teachers in colleges of education, and their programs do not always include a language requirement.

Students should follow the recommended course of study of the University of Washington and other library schools accredited by the American Library Association.

Mathematics

Advances in science, technology, social science, business, industry, and government are dependent upon precise analysis and the extraction of information from large quantities of data. Environmental problems, for example, require careful analysis by persons with skills in mathematics, computer science, biology, geology, physics, and business.

The mathematics program at Clark College prepares students for successful study at four-year colleges and universities. At the university level, the student may prepare for a career in industry, government, or teaching. Students who intend to enter the job market before graduate school should have exposure to the natural, social, and applied sciences.

A variety of resources are available which help students with differing learning styles understand mathematical concepts. At Clark, computers, graphing calculators and other technology are integrated into classroom teaching and research.

The math department maintains an internet web page which provides information about faculty members, course descriptions and on-line general advising for selecting a math course. Advice to help students succeed in math courses can be found on the web site along with instructional materials for some math classes.

The Math Help Session is staffed 25-30 hours each week by department instructors to assist students who drop by for individual help with homework or understanding math concepts, including evening hours for night students.

Students who need to brush up on basic math skills will find classes in both the math and developmental education departments which prepare them for success before tackling college-level coursework. Single-credit classes to learn to use graphing calculators and for overcoming math anxiety are also offered.

Mathematics

This is a suggested program for the first two years of major study in Mathematics. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible.

First Quarter

ENGL 101	English Composition	3 credits
FREN 101	First-Year French	5 credits
or		
GERM 101	First-Year German	5 credits
MATH 113	Calculus I	5 credits
	Social Science elective	5 credits

Second Quarter

ENGL 102	English Composition	3 credits
FREN 102	First-Year French	5 credits
or		
GERM 102	First-Year German	5 credits
MATH 211	Calculus II	5 credits
	Computer Science elective	5 credits

Third Quarter

FREN 103	First-Year French	5 credits
or		
GERM 103	First-Year German	5 credits
MATH 212	Calculus III	5 credits
SPEE 101	Oral Communication	3 credits
or		
ENGL 103	Advanced English Composition	3 credits
	Physical Education Activity	1 credit
	Elective	3 credits

Fourth Quarter

ECON 201	Macroeconomics	5 credits
HLTH 101	Health for Adult Living	2 credits
MATH 215	Linear Algebra	5 credits
PHYS 201	Engineering Physics	5 credits
and 094	Physics Calculations	1 credit

Fifth Quarter

MATH 213	Calculus IV	5 credits
PHYS 202	Engineering Physics	5 credits
and 095	Physics Calculations	1 credit
	Social Science elective	5 credits
	Elective	3 credits

Sixth Quarter

MATH 221	Differential Equations	5 credits
PHYS 203	Engineering Physics	5 credits
and 096	Physics Calculations	1 credit
	Social Science elective	5 credits
	Elective	3 credits

Medicine (Physician)

The physician's coursework is very rigorous. In addition to four years in medical school, the student must have four years of pre-medical training before entering professional studies. Because medical schools limit the number of students they admit, students should have an alternative career plan.

The first two years of training are available at Clark College. In small classes, with personalized training, the student has the opportunity to gain a foundation in the basic sciences. A number of medical schools require a foreign language.

Students should choose electives with the aim of broadening their intellectual and social backgrounds. A suggested program for the first two years of pre-medical study is listed below.

First Year

BIOL	201	Evolution & Ecology	5 credits
BIOL	202	Biochemistry, Molecular Genetics, & Development	5 credits
BIOL	203	Animal & Plant Physiology	5 credits
CHEM	131	General Inorganic Chemistry	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
CHEM	135	Introduction to Quantitative Inorganic Analysis	2 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
MATH	105	Finite Mathematics	5 credits
or	111	College Algebra	5 credits
MATH	106	Elements of Calculus	5 credits
or	113	Calculus I	5 credits
PSYC	101	General Psychology I	5 credits
SPEE	101	Oral Communication	3 credits

Second Year

BIOL	240	Microbiology	5 credits
CHEM	211	Organic Chemistry	5 credits
CHEM	212	Organic Chemistry	5 credits
CHEM	213	Organic Chemistry	3 credits
CHEM	214	Introduction to Qualitative Organic Analysis	2 credits
HLTH	101	Health for Adult Living	3 credits
PHYS	101	General Physics	5 credits
or	201	Engineering Physics	5 credits
PHYS	102	General Physics	5 credits
or	202	Engineering Physics	5 credits
PHYS	103	General Physics	5 credits
or	203	Engineering Physics	5 credits
		Humanities or Social Science electives	10 credits
		Physical Education activity	1 credit

Medicine (Physician Assistant)

Students are strongly encouraged to contact a Physician Assistants school directly to determine the exact prerequisites. There is a wide range of requirements and recommended courses. Some programs are Masters level programs while others are Bachelor level programs. Students will need 1-2 years of experience in the health field with direct (hands-on) experiences in delivering medical care or patient contact. Local programs include OHSU (Oregon Health Sciences University), Pacific University and MEDEX at the University of Washington. Contact the transfer institution for specific requirements.

Generally Required Courses

BIOL	231	Human Anatomy and Physiology I	4 credits
BIOL	232	Human Anatomy and Physiology II	4 credits
BIOL	233	Human Anatomy and Physiology III	4 credits
CHEM	131	General Inorganic Chemistry	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
PSYC	101	General Psychology I	5 credits
SOC	101	General Sociology	5 credits
		Speech elective	3 credits
		Humanities electives	15 credits
		Social Science elective	5 credits
		Health and Physical Education electives	3 credits

Recommended Courses

BIOL	202	Biochemistry, Molecular Genetics, & Development	5 credits
BIOL	240	Microbiology	5 credits
CHEM	211	Organic Chemistry	5 credits
CHEM	212	Organic Chemistry	5 credits
CHEM	213	Organic Chemistry	3 credits
MATH	203	Descriptive Statistics	3 credits

Music

The Music program at Clark College offers a two-year college experience of music theory, instrumental and vocal performance training, music appreciation and music history classes. Classes are designed to prepare the music major for advanced studies at a four-year institution while providing the non-major with the skills and background to fully enjoy music as a cultural pursuit.

Career opportunities for those with musical interests and talent are available in a number of areas: music education, music marketing, theory and history, composition and vocal or instrumental performance. Students with professional goals should consult with a faculty advisor to plan a program leading to an Associate in Arts degree.

Musical Opportunities

Instrumentalists and vocal musicians have the opportunity to fine tune their talents while developing a professional stage presence by performing in their choice of quality college groups:

- Orchestra
- Concert Choir
- Symphonic Band
- Brass & Wind Ensembles
- Jazz Band
- Vocal Jazz Ensemble
- Women's Choir
- Pep Band

Performing groups present concerts each quarter, at various locations on and off campus, often with musical groups from other schools or from the community. Performing ensembles have toured in Canada, Mexico, Japan, Korea, China and Hawaii.

Each January, Clark music students also experience firsthand the many activities involved in producing a major musical event as the college hosts the annual Clark College Jazz Festival. More than 65 high school bands and vocal jazz choirs from throughout the Northwest and Canada come to the campus to compete in this nationally-recognized event. Clark jazz musicians perform during the three-day event, and all participants have the opportunity to interact with the professional musicians and educators who come to Vancouver as guest performers and adjudicators for the festival.

Music

This is a suggested program for the first two years of major study in Music. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible.

First Quarter

HIST	101	Survey of World Civilization	5 credits
MUS	141	Music Theory I	5 credits
MUS	144	Ear Training I	2 credits
		Applied Music	1 credit
MUS	180	Concert Band	2 credits
or	183	Concert Choir	2 credits
or	150	Orchestra	2 credits
		Science elective	5 credits

Second Quarter

ENGL	101	English Composition	3 credits
MUS	142	Music Theory II	5 credits
MUS	145	Ear Training II	2 credits
		Applied Music	1 credit
MUS	181	Concert Band	2 credits
or	184	Concert Choir	2 credits
or	151	Orchestra	2 credits
		Math or Computer Science elective	5 credits
		Humanities elective	3 credits

Third Quarter

ENGL	102	English Composition	3 credits
MUS	143	Music Theory III	5 credits
MUS	146	Ear Training III	2 credits
		Applied Music	1 credit
MUS	182	Concert Band	2 credits
or	185	Concert Choir	2 credits
or	152	Orchestra	2 credits
		Science elective	5 credits

Fourth Quarter

ART	151	Art Appreciation	4 credits
MUS	241	Music Theory IV	3 credits
MUS	244	Ear Training IV	2 credits
		Applied Music	1 credit
MUS	280	Concert Band	2 credits
or	283	Concert Choir	2 credits
or	250	Orchestra	2 credits
		Health and PE electives	3 credits

Fifth Quarter

MUS	242	Music Theory V	3 credits
MUS	245	Ear Training V	2 credits
		Applied Music	1 credit
MUS	281	Concert Band	2 credits
or	284	Concert Choir	2 credits
or	251	Orchestra	2 credits
PSYC	101	General Psychology	5 credits
SPEE	101	Oral Communication	3 credits

Sixth Quarter

MUS	243	Music Theory VI	3 credits
MUS	246	Ear Training VI	2 credits
		Applied Music	1 credit
SOC	101	General Sociology	5 credits
		Science elective	5 credits

Optometry

Optometry requires a minimum of six years of study. Two years of pre-optometry studies are followed by four years at a professional optometry school. Satisfactory completion of pre-optometry requirements does not provide a guarantee of admission, since this is a very competitive field of study. Additional credits in the humanities/social sciences are required for a degree. Contact the transfer institution for specific requirements..

First Year

BIOL	231	Human Anatomy and Physiology I	4 credits
BIOL	232	Human Anatomy and Physiology II	4 credits
BIOL	233	Human Anatomy and Physiology III	4 credits
CHEM	131	General Inorganic Chemistry	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
CHEM	135	Introduction to Quantitative Inorganic Analysis	2 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
MATH	106	Elements of Calculus	5 credits
or	113	Calculus I	5 credits
MATH	203	Descriptive Statistics	3 credits
MATH	204	Inferential Statistics	3 credits
		Health and Physical Education electives	3 credits

Second Year

PHYS	101	General Physics	5 credits
PHYS	102	General Physics	5 credits
PHYS	103	General Physics	5 credits
or			
BIOL	240	Microbiology	5 credits
		Speech elective	3 credits
		Humanities or Social Science electives	10 credits

Pharmacy

The pharmacy degree requires five years of college study, with at least three years in a special school of pharmacology. Contact the transfer institution for specific requirements.

First Quarter

BIOL	201	Evolution & Ecology	5 credits
CHEM	131	General Inorganic Chemistry	5 credits
ENGL	101	English Composition	3 credits
MATH	105	Finite Mathematics	5 credits
or	111	College Algebra	5 credits

Second Quarter

BIOL	202	Biochemistry, Molecular Genetics, & Development	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
ENGL	102	English Composition	3 credits
MATH	106	Elements of Calculus	5 credits
or	113	Calculus I	5 credits

Third Quarter

BIOL	203	Animal & Plant Physiology	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
CHEM	135	Introduction to Quantitative Inorganic Analysis	2 credits
HLTH	101	Health for Adult Living	3 credits
PSYC	101	General Psychology I	5 credits
SPEE	101	Oral Communication	3 credits

Fourth Quarter

CHEM	211	Organic Chemistry	5 credits
PHYS	101	General Physics	5 credits
		Elective	5 credits
		Physical Education activity	1 credit

Fifth Quarter

CHEM	212	Organic Chemistry	5 credits
PHYS	102	General Physics	5 credits

Sixth Quarter

BIOL	240	Microbiology	5 credits
CHEM	213	Organic Chemistry	3 credits
CHEM	214	Introduction to Qualitative Organic Analysis	2 credits
PHYS	103	General Physics	5 credits

Physical Therapy

Physical therapy is a professional program completed at a university. Many PT programs are Masters level programs. Students are encouraged to consult the university of their choice as early as possible to be able to plan their coursework at Clark College accordingly.

First Year

BIOL	231	Human Anatomy and Physiology I	4 credits
BIOL	232	Human Anatomy and Physiology II	4 credits
BIOL	233	Human Anatomy and Physiology III	4 credits
CHEM	111	Integrated Chemistry ◆	5 credits
or	131	General Inorganic Chemistry	5 credits
CHEM	112	Integrated Chemistry ◆	5 credits
or	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry ◆	4 credits
CHEM	135	Introduction to Quantitative ◆ Inorganic Analysis	2 credits
MATH	203	Descriptive Statistics	3 credits
or	111	College Algebra	5 credits
PSYC	101	General Psychology I	5 credits
		Health elective	2 credits
		Physical Education activity	1 credit
		Social Science electives	10 credits

Second Year

BIOL	240	Microbiology ◆	5 credits
CHEM	211	Organic Chemistry	5 credits
CHEM	212	Organic Chemistry	5 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
PHYS	101	General Physics	5 credits
PHYS	102	General Physics	5 credits
PHYS	103	General Physics	5 credits
SOC	101	General Sociology	5 credits
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits
		Humanities electives	15 credits

◆ Students should check with each institutuion to which they are applying to determine prerequisites.

Physics

Physics is the study of the fundamental nature of our universe. This knowledge is applicable to a wide variety of disciplines in the biological and physical sciences, engineering, medicine, and technology. By taking physics at Clark College, you will get the benefits of small class size, up-to-date laboratory equipment and instructors who place their emphasis on quality learning.

Physics majors can chose from a variety of courses and are encouraged to explore a wide sample of offerings to obtain a well-rounded education. Students wishing to major in physics should contact the Physics Department for program guidance.

Physics

This is a suggested program for the first two years of major study in Physics. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible. Additional courses are needed to satisfy graduation requirements for the Associate in Science or the Associate in Arts degree.

First Year

CTEC	125	Introduction to C	5 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
MATH	111	College Algebra	5 credits
MATH	113	Calculus I	5 credits
MATH	211	Calculus II	5 credits
		General Chemistry electives	16 credits
		Health elective	2 credits
		Humanities and Social Science electives	15-20 credits

Second Year

MATH	212	Calculus III	5 credits
MATH	213	Calculus IV	5 credits
MATH	221	Differential Equations	5 credits
PHYS	201	Engineering Physics	5 credits
PHYS	202	Engineering Physics	5 credits
PHYS	203	Engineering Physics	5 credits
SPEE	101	Oral Communication	3 credits
or	201	Small Group Communication	3 credits
or	211	Interpersonal Communication	3 credits
		Humanities and Social Science electives	15-20 credits
		Physical Education activity	1 credit

Social Science

Under this broad heading, students might major in Anthropology, Economics, History, Political Science, Psychology or Sociology. The student should work toward an Associate in Arts degree at Clark College and transfer to a four-year college or university where any of the social sciences will serve as a good major for a Bachelor's degree. Professional careers in social work, government administration, psychology, and counseling usually require graduate study.

Speech

Working with people requires excellent verbal communication skills. Effective communication is vital for success in most careers. Speech communication courses enhance many degree programs and can help students develop skills that are beneficial for a variety of different fields. Students pursuing an associate in arts, an applied science degree, or a certificate of proficiency can benefit from speech courses; and, many four-year degree programs require that students take at least one speech course.

Students interested in pursuing a degree in Speech Communication are strongly advised to consult a Speech department advisor and an advisor at their transfer institution for assistance in planning their degree program and determine required coursework as early as possible.

Speech & Debate Team

Students who enjoy public speaking will find a prestigious home on the Clark College Speech and Debate Team. This nationally recognized team has a long history of success having won many state, regional, and national championships. Students wishing to join the team to improve their public speaking and critical thinking skills, as well as increasing confidence and poise, should contact the speech and debate advisor.

Speech Courses

Many Clark students earn their associate in arts degree at Clark, transfer to a four-year institution with junior standing and go on to earn their bachelor's degree in communication. Speech department courses typically transfer to four-year institutions. However, students should contact their transfer institution to clarify each course's transferability. The following are courses offered by the speech department:

Fulfills Communication requirement:

SPEE 101	Oral Communication
SPEE 201	Small Group Communication
SPEE 211	Interpersonal Communication

Fulfills Humanities requirement:

SPEE 120	Mass Communication and Society
SPEE 216	Cross-Cultural Communication
SPEE 220	Introduction to Persuasion Theory
SPEE 171	Speech/Debate Team
SPEE 172	Speech/Debate Team
SPEE 173	Speech/Debate Team
SPEE 271	Speech/Debate Team
SPEE 272	Speech/Debate Team
SPEE 273	Speech/Debate Team

Electives:

SPEE 212	Oral Communication in Business
SPEE 199	Cooperative Work Experience
SPEE 280	Selected Topics
SPEE 290	Special Projects

Theatre

The Clark College Theatre program provides a rich cultural focus for the campus and surrounding community blending theatre, music, dance and art into entertaining and award-winning productions. The co-curricular program combines traditional classroom training with the opportunity for students to apply and test both performance and technical skills in staged productions before a paying audience.

A comprehensive curriculum teaches acting principles and techniques for both theatre and television, including scene study, characterization and period styles of acting. Camera operations and directing skills are also studied.

The Children's Theatre classes focus on performance styles for young audiences, touring scenery techniques, and performance tour management.

Basic stagecraft design and construction, stage lighting and make-up courses provide behind-the-scenes knowledge to enhance acting performance and also skills for a career in the production side of the film and theatre industry. Students planning a career in acting or other phases of theatrical production can acquire foundation skills and experience in multiple settings while completing degree requirements. Theatre courses and performances also serve as excellent training for those planning careers in teaching or other fields that require public presentations.

Theatre

These are suggested courses for the first two years of major study in Theatre. Lower division course requirements will vary depending on your transfer institution. Contact an advisor at your transfer institution to determine required coursework as early as possible. Additional courses are needed to satisfy graduation requirements for the Associate in Arts degree.

Suggested Courses

THEA 105	Theatre Appreciation	3 credits
THEA 140	Acting I - Theatre	4 credits
THEA 141	Acting II - Theatre	4 credits
THEA 142	Acting III - Television	3 credits
THEA 143, 144, 145	Children's Theatre	5 credits each
THEA 243, 244, 245	Children's Theatre II	5 credits each
THEA 150	Basic Stagecraft	4 credits
THEA 152	Stage Make-up	3 credits
THEA 250	Basic Lighting Design	3 credits
THEA 171, 172, 173	Play Production & Performance I, II & III	2 credits each
THEA 271, 272, 273	Play Production & Performance IV,V & VI	2 credits each

Related Courses

Students can find courses related to theatrical performance in several other college departments listed below:

Art:	History & Appreciation, Drawing, Design, Painting
English:	Introduction to Dramatic Literature Introduction to Shakespeare
Foreign Languages:	All classes
History:	All classes
Music:	Instrumental & Vocal Music Performance, Music History
Physical Education:	Ballet, Ballroom, Modern Jazz, Modern & Folk Dance and Fencing
Psychology:	General Psychology, Social Psychology
Sociology	General Sociology
Speech:	Public Speaking, Interpersonal Communications, Forensics & Small Group Communication

Veterinary Medicine

Veterinary medicine is a profession appealing to persons with an interest in science and animals. Some veterinarians go into general practice, specialize in small or large animals, or perform research. Veterinary medicine is a four-year program preceded by two or more years of college-level preparatory work. Please contact the transfer institution for specific requirements.

Another option for students interested in veterinary medicine is the veterinary technician program. Students interested in such an option should discuss the program with a science advisor.

First Year

BIOL	201	Evolution & Ecology	5 credits
BIOL	202	Biochemistry, Molecular Genetics, & Development	5 credits
BIOL	203	Animal & Plant Physiology	5 credits
CHEM	131	General Inorganic Chemistry	5 credits
CHEM	132	General Inorganic Chemistry	5 credits
CHEM	133	General Inorganic Chemistry	4 credits
CHEM	135	Introduction to Quantitative Inorganic Analysis	2 credits
ENGL	101	English Composition	3 credits
ENGL	102	English Composition	3 credits
MATH	105	Finite Mathematics	5 credits
or	111	College Algebra	5 credits
MATH	106	Elements of Calculus	5 credits
or	113	Calculus I	5 credits
		Speech elective	3 credits
		Humanities/Social Science electives	15 credits

Second Year

AG	175	Animal Science	5 credits
CHEM	211	Organic Chemistry	5 credits
CHEM	212	Organic Chemistry	5 credits
CHEM	213	Organic Chemistry	3 credits
CHEM	214	Introduction to Qualitative Organic Analysis	2 credits
PHYS	101	General Physics	5 credits
PHYS	102	General Physics	5 credits
PHYS	103	General Physics	5 credits
		Health and Physical Education electives	3 credits
		Humanities/Social Science electives	15 credits

Women's Studies

Women's Studies is an interdisciplinary field that studies the experiences and voices of women from diverse ethnic, socioeconomic and political backgrounds. It is grounded in feminism and centered around feminist scholarship. Women's Studies analyzes socially constructed power imbalances based on gender, race, class, sexual orientation, ability and age.

Courses may include women and their relationships with systems of oppression and privilege; social and individual identities; the body; family; motherhood; work; violence; state, law, and social policies; politics; global perspectives; health and reproductive rights, sexuality and intimacy; art, music, and culture; creative expression; and empowerment and transformation. Also included are women's treatment and changing roles throughout history, and the positive changes that feminism has brought to women due to the influence of the Civil Rights Movement, the Women's Liberation Movement, and the Lesbian, Gay, Bisexual and Transgender Rights Movements.

Women's Studies graduates work in a variety of careers in business, education, law, human services, medicine, and government.

Women's Studies

Women's Studies Certificate

For students who want expertise in women's issues, this certificate may be earned along with a regular Associate in Arts degree, and will be awarded upon graduation.

Required Courses

Thirty hours of courses focused on women, including four hours of independent study or special topics in women's studies are required.

Core Courses (11 credits):

WS	101	Introduction to Women's Studies	5 credits
WS	201	Women Around the World	3 credits
WS	202	Introduction to Feminist Theory	3 credits

Women's Studies Electives (4 credits):

WS	210	Women's Culture	3 credits
WS	280	Women's Conference	1-3 credits
WS	290	Independent Study	1-3 credits
		Any WS prefix course	

Additional Electives (15 credits):

ART	250	Women in Art	3 credits
ENGL	140	Women in Literature	3 credits
HIST	251	Women in World History	3 credits
HIST	252	Women in World History	3 credits
HIST	253	Women in World History	3 credits
HLTH	207	Women's Health	2 credits
SOC	211	Men and Women in American Society	3 credits
		Any WS prefix course	

Total Credits Required **30 credits**

Penguin Tales

Gari Stanley

A passion to help some of Clark County's most needy residents - the homeless and those struggling with addictions - compelled Gari Stanley to pursue a rigorous educational path at a time in her life when others are winding down. While at Clark College, Gari has served as a member of the Peer Prevention Educators group, coordinating activities that promote healthy living, with a special emphasis on drug and alcohol prevention.

After earning an Associate in Arts degree and a Certificate of Achievement as a Chemical Dependence Counselor, Gari will continue her education at Washington State University Vancouver. She plans to pursue a Bachelor of Arts degree in Social Science, with an eventual goal of earning a Masters degree in Social Work. The option to complete her degree in Clark County also means that she can continue her numerous volunteer service activities and her job at the Clark County Council on Alcohol and Drugs Detox Center. "Here I can work with people for whom I have the most compassion - the homeless and the addicted," she says.

When she began her studies at Clark as an older student, Gari was afraid she wouldn't fit in. Now, even as she moves on to higher levels of education and her career she can't imagine not coming to the Vancouver campus. "I love going to school," she said. "I will always keep learning and come back to Clark to take classes, this time for fun!"