

PROGRAM OVERVIEW

COLLEGE/UNIVERSITY TRANSFER



> ASSOCIATE IN ARTS DEGREE

Liberal Arts

> ASSOCIATE IN SCIENCE DEGREE

Business Administration

Engineering

General Studies

Special Education/Developmental
Disabilities

Performance Theatre

Technical Theatre

Science

Computer Science

Social Sciences

The Associate in Arts (AA) and the Associate in Science (AS) degree programs are designed for students who plan to transfer to four-year colleges or universities. Courses in these programs parallel those required during the freshman and sophomore years of four-year Bachelor of Arts (BA) and Bachelor of Science (BS) curricula. The college publishes a basic guide to transfer programs that is available at campus admissions offices. Students planning to transfer should meet with a transfer counselor to plan a program of study that will meet the lower-division requirements of the college or university they have selected.



LIBERAL ARTS

COLLEGE/UNIVERSITY TRANSFER

This program is designed for students who plan to transfer to a four-year college or university to pursue a Bachelor of Arts (BA) degree program in the liberal arts. Four-year liberal arts graduates prepare for a wide variety of jobs and professions. Their studies emphasize communication, analytical, computational, and critical thinking skills, all of which provide flexibility in a changing job market. Liberal arts graduates become economists, teachers, foreign service officers, medical doctors, journalists, librarians, lawyers, and psychologists, among other possible professions.

In addition to the college's general admission requirements, students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with a transfer counselor or academic advisor to plan programs and select electives that will meet the requirements of the college or university, which they plan to attend. The Associate in Arts (AA) degree normally takes four full-time semesters to complete.

ASSOCIATE IN ARTS DEGREE: LIBERAL ARTS (648)

General Education Requirements (44 Credits)

ENG 111-112	College Composition I-II1	(6)
HIS 101-102	History of Western Civilization I-II ²	(6)
or		
HIS 111-112	History of World Civilization I-II	(6)
or		
HIS 121-122	United States History I-II	(6)
MTH 158-240	College Algebra ¹ , Statistics ¹	(6)
or		
MTH 163-164	Precalculus I-II ¹	(6)
SPD 100	Principles of Public Speaking ³	(3)
SDV 100	College Success Skills ⁴	(1)
—	Science with Lab ⁴	(8)
—	Social Science Electives ⁴	(6)
—	Health/Physical Education ⁴	(2)
—	Intermediate Foreign Language Sequence ⁴	(6)

Program Requirements (17 Credits)

—	Beginning Foreign Language Sequence ⁴	(8)
—	Humanities Electives ⁴	(6)
—	Humanities/Social Science Elective ⁴	(3)

Minimum Credits Required: 61

- 1 Placement test or prerequisite required.
- 2 Students may select any two history courses (6 credits) from this list to meet the requirement. HIS courses do not have to be taken sequentially. Consult transfer institution to choose appropriate courses for your transfer program.
- 3 Students may substitute SPD 105 for SPD 100. Consult transfer institution to insure that the substitution is appropriate for your transfer program.
- 4 Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).

NOTES:

Investigate the requirements of transfer institutions before choosing electives and consult a transfer counselor or academic advisor to plan your program.

Students who already have language proficiency or have successfully completed two years of a foreign language in high school may petition for advanced placement. If you are placed into an advanced course in that foreign language (102, 203, or 204), you may substitute courses from the approved list of humanities and/or social sciences on page 155 for the four to eleven credits needed to complete the degree. When selecting a foreign language, students are required to choose full-year sequences.

In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).

BUSINESS ADMINISTRATION

COLLEGE/UNIVERSITY TRANSFER



This program is designed for students who plan to transfer to a four-year college or university to pursue a Bachelor of Science (BS) degree in business administration or accounting. Typical majors include accounting, economics, information systems, finance, management, and marketing.

In addition to the college's general admission requirements, students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with a transfer counselor or academic advisor to plan programs and select electives that will meet the requirements of the college or university, which they plan to attend. The Associate in Science (AS) degree normally takes four full-time semesters to complete.

ASSOCIATE IN SCIENCE DEGREE: BUSINESS ADMINISTRATION (213)

General Education Requirements (41 Credits)

ECO 201-202	Principles of Economics I-II	(6)
ENG 111-112	College Composition I-II ¹	(6)
HIS 101-102	History of Western Civilization I-II ²	
	or	
HIS 111-112	History of World Civilization I-II	
	or	
HIS 121-122	United States History I-II	(6)
MTH 163	Precalculus I ¹	(3)
MTH 270	Applied Calculus ¹	(3)
SPD 100	Principles of Public Speaking ⁴	(3)
SDV 100	College Success Skills ³	(1)
—	Health/Physical Education ³	(2)
—	Humanities Elective ³	(3)
—	Science with Lab ³	(8)

Program Requirements (19 Credits)

ACC 211-212	Principles of Accounting I-II	(6)
BUS 216	Probability and Statistics for Business and Economics	(3)
ITE 115	Basic Computer Literacy	(4)
—	Approved Elective ⁵	(6)

Minimum Credits Required: 60

- 1 Placement test or prerequisite required.
- 2 Students may select any two history courses (6 credits) from this list to meet the requirement. HIS courses do not have to be taken sequentially. Consult transfer institution to choose appropriate courses for your transfer program.
- 3 Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).
- 4 Students may substitute SPD 105 for SPD 100. Consult transfer institution to insure that the substitution is appropriate for your transfer program.
- 5 The following courses may be taken to satisfy approved elective: ACC 215, BUS 100, BUS 230, BUS 280, ECO 210, ITP 100, ITE 140, MKT 100, MKT 282.

NOTES:

Investigate the requirements of transfer institutions before choosing electives, and consult a transfer counselor or academic advisor to plan your program.

Decision Science or Information Systems majors may take ITP 100 as the approved elective. Other electives must be approved by the appropriate academic dean.

In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).



ENGINEERING

COLLEGE/UNIVERSITY TRANSFER

This program is designed for students who plan to transfer to a four-year college or university to pursue a Bachelor of Science (BS) degree in engineering in one of several fields. The engineering program at TCC, leading to the two-year Associate in Science (AS) degree, includes general education courses and engineering courses, which cover theoretical concepts and practical applications. Graduates with the baccalaureate degree find careers in aerospace, computer, environmental, civil, electrical/electronics, mechanical, mining/metallurgical, and nuclear engineering.

In addition to the college's general admission requirements, admission to the engineering curriculum requires satisfactory completion of the following high school units or their equivalents: four units of English; four units of mathematics (two units of algebra, one unit of plane geometry, one unit of advanced mathematics or trigonometry and solid geometry); one unit of laboratory science and one unit of social studies. All students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with a transfer counselor or academic advisor to plan programs and select electives that will meet the requirements of the college or university, which they plan to attend. The Associate in Science (AS) degree normally takes four full-time semesters to complete.

ASSOCIATE IN SCIENCE DEGREE: ENGINEERING (831)

General Education Requirements (39 Credits)

CHM 111-112	College Chemistry I-II	(8)
ENG 111-112	College Composition I-II ¹	(6)
ENG 131	Technical Report Writing I ¹	(3)
HIS 101	History of Western Civilization I	
	or	
HIS 111	History of World Civilization I	
	or	
HIS 121	United States History I	(3)
MTH 173-174	Calculus with Analytic Geometry I-II ¹	(10)
SDV 100	College Success Skills ²	(1)
—	Health/Physical Education ²	(2)
—	Humanities Elective ²	(3)
—	Social Science Elective ²	(3)

Program Requirements (34 Credits)

EGR 120	Introduction to Engineering	(2)
EGR 125	Introduction to Engineering Methods (C++)	(4)
EGR 140	Engineering Mechanics-Statics	(3)
MTH 275	Multivariable Calculus and Linear Algebra	(4)
MTH 279	Ordinary Differential Equations	(4)
PHY 241-242	University Physics I-II	(8)
—	Approved Engineering Electives (see notes)	(9)

Minimum Credits Required: 73

¹ Placement test or prerequisite required.

² Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).

NOTES:

Investigate the requirements of transfer institutions before choosing electives, and consult a transfer counselor or academic advisor to plan your program.

In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).

Recommended courses for approved engineering electives are listed below (9 credits minimum for AS degree):

Old Dominion University: Civil and Environmental	EGR 110 (3); EGR 245 (3); EGR 246 (3)	Total (9)
Old Dominion University: Computer	EGR 271 (3); EGR 272 (3); EGR 277 (3); EGR 278 (2)	Total (11)
Old Dominion University: Electrical	EGR 271 (3); EGR 272 (3); EGR 277 (3); EGR 278 (2)	Total (11)
Old Dominion University: Mechanical	EGR 110 (3); EGR 245 (3); EGR 246 (3); EGR 247 (1)	Total (10)
VA Tech: Civil and Environmental	EGR 110 (3); EGR 245 (3); EGR 246 (3)	Total (9)
VA Tech: Computer	EGR 110 (3); EGR 245 (3); EGR 271 (3); EGR 272 (3)	Total (12)
VA Tech: Electrical	EGR 110 (3); EGR 245 (3); EGR 271 (3); EGR 272 (3)	Total (12)
VA Tech: Mechanical	EGR 110 (3); EGR 245 (3); EGR 246 (3)	Total (9)

GENERAL STUDIES

COLLEGE/UNIVERSITY TRANSFER



The Associate in Science in General Studies degree offers the student an opportunity to combine courses that may lead directly to a career while also completing courses that meet lower division (freshman/sophomore level) general education requirements at a four-year college or university. It consists of 21 hours of major courses in any of the occupational-technical programs and 41 credits of general education courses. This program is not meant to insure the same ease of transferability as the other transfer degrees, but it offers the student an opportunity to earn a degree that combines technical, job-related courses with the general education courses needed for a four-year degree.

In addition to the college's general admission requirements, students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with a transfer counselor or academic advisor to plan programs and select electives that will meet the requirements of the college or university that they plan to attend. The Associate in Science (AS) degree normally takes four full-time semesters to complete.

ASSOCIATE IN SCIENCE DEGREE: GENERAL STUDIES (699)

General Education Requirements (41 Credits)

ENG	111-112	College Composition I-II ¹	(6)
HIS	101-102	History of Western Civilization I-II ²	(6)
		or	
HIS	111-112	History of World Civilization I-II	(6)
		or	
HIS	121-122	United States History I-II	(6)
SPD	100	Principles of Public Speaking ⁴	(3)
SDV	100	College Success Skills ³	(1)
—		Health/Physical Education ³	(2)
—		Humanities Elective ³	(3)
—		Mathematics ¹	(6)
—		Science with Lab ³	(8)
—		Social Science Electives ³	(6)

Program Requirements (21 Credits)

—	Approved Electives ⁵	(21)
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Minimum Credits Required: 62

- 1 Placement test or prerequisite required. MTH 103, MTH 121, and MTH 126 cannot be used to fulfill the mathematics requirement.
- 2 Students may select any two history courses (6 credits) from this list to meet the requirement. HIS courses do not have to be taken sequentially. Consult transfer institution to choose appropriate courses for your transfer program.
- 3 Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).
- 4 Students may substitute SPD 105 for SPD 100. Consult transfer institution to insure that the substitution is appropriate for your transfer program.
- 5 Consult with your academic advisor or counselor. Courses must be approved by the appropriate academic dean. The "Approved Electives" may be satisfied with any numbered Lab Science, Social Science, or Humanities electives listed under the A.A./A.S. degrees on pages 155 of the 2005-06 Catalog without an approved waiver/substitution required. All other courses not on the above lists must be approved by the appropriate academic dean through the waiver/substitution process.

NOTES:

Investigate the requirements of transfer institutions before choosing electives, and consult a transfer counselor or academic advisor to plan your program.
 In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).



**GENERAL STUDIES:
SPECIAL EDUCATION/
DEVELOPMENTAL DISABILITIES**

COLLEGE/UNIVERSITY TRANSFER

This program prepares students for a career working with children and adults with disabilities. Students may transfer to a four-year college or university to pursue a bachelor's degree. Some students may choose to pursue a career as a special education teacher. Among the majors the AS leads to are human services counseling, interdisciplinary studies, and psychology. Teacher certification may require additional course work, including a master's degree.

The program also prepares students for a variety of paraprofessional positions in schools and agencies that serve children and adults with disabilities. Examples of positions for which a graduate of the two-year program would qualify include: group home counselor, supported living counselor, job coach, vocational center technician, developmental technician, and teaching assistant in special education classrooms.

Students already in the field use the program to upgrade their skills and knowledge and create the opportunity for advancement.

Internships are available in a variety of work settings. They give students hands-on experience that will increase their employability in the field.

In addition to the college's general admission requirements, students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with the program advisor to plan programs and select electives that will meet the requirements of the college or university that they plan to attend. The Associate in Science (AS) degree normally takes four full-time semesters to complete.

ASSOCIATE IN SCIENCE DEGREE: GENERAL STUDIES

Specialization: Special Education/Developmental Disabilities (699.49)

General Education Requirements (41 Credits)

ENG 111-112	College Composition I-II ¹	(6)
HIS 101-102	History of Western Civilization I-II ²	(6)
	or	
HIS 111-112	History of World Civilization I-II	(6)
	or	
HIS 121-122	United States History I-II	(6)
SPD 100	Principles of Public Speaking ⁴	(3)
SDV 100	College Success Skills ³	(1)
—	Health/Physical Education ³	(2)
—	Humanities Elective ³	(3)
—	Mathematics ¹	(3)
—	Science with Lab ³	(8)
—	Social Science Electives ³	(6)
—	Approved Elective ⁵	(3)

Program Requirements (21-22 Credits)

EDU 130	Introduction to Developmental Disabilities	(4)
	or	
CHD 210	Introduction to Exceptional Children	(3)
EDU 135	Behavior Technology for Use with Developmental Disabilities	(4)
	or	
PSY 220	Introduction to Behavior Modification*	(3)
EDU 245	Teaching and Training of Language Skills for Disabled	(3)
EDU 247	Adult Independent Living and Vocational Skills for Disabled	(4)
EDU 254	Teaching Basic Academic Skills to Exceptional Children	(3)
EDU 290	Coordinated Internship in Education	(4)

Minimum Credits Required: 61 - 63

- 1 Placement test or prerequisite required. MTH 103, MTH 121, and MTH 126 cannot be used to fulfill the mathematics requirement.
- 2 Students may select any two history courses (6 credits) from this list to meet the requirement. HIS courses do not have to be taken sequentially. Consult transfer institution to choose appropriate courses for your transfer program.
- 3 Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).
- 4 Students may substitute SPD 105 for SPD 100. Consult transfer institution to insure that the substitution is appropriate for your transfer program.
- 5 Consult with your academic advisor or counselor. Courses must be approved by the appropriate academic dean.
- * Education majors selecting PSY 220 Introduction to Behavior Modification must also register for PSY 290 Coordinated Internship in Psychology for one credit.

NOTES:

Investigate the requirements of transfer institutions before choosing electives, and consult a transfer counselor or academic advisor to plan your program.
In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).

**GENERAL STUDIES:
THEATRE ARTS: PERFORMANCE THEATRE**

COLLEGE/UNIVERSITY TRANSFER



The Performance Theatre specialization is designed to provide opportunities for those students interested in pursuing a bachelor's degree in performance. This specialization will support the existing productions at the Chesapeake and Virginia Beach campuses, as well as provide an opportunity to add performances at the TCC Jeanne and George Roper Performing Arts Center at the Norfolk campus.

The Performance Theatre option provides training for students interested in acting and directing. While taking a wide range of classes in performance, such as acting, movement, voice, and directing, students have an opportunity to perform in laboratory performance projects and TCC theatre productions which are staged in four different theatre spaces.

In addition to the college's general admission requirements, students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with a transfer counselor or academic advisor to plan programs and select electives that will meet the requirements of the college or university that they plan to attend. The Associate in Science (AS) degree normally takes four full-time semesters to complete.

ASSOCIATE IN SCIENCE DEGREE: GENERAL STUDIES

Specialization: Performance Theatre (699.51)

General Education Requirements (35 Credits)

ENG 111-112	College Composition I-II ¹	(6)
HIS 101-102	History of Western Civilization I-II ²	
	or	
HIS 111-112	History of World Civilization I-II	
	or	
HIS 121-122	United States History I-II	(6)
MTH 152	Math for Liberal Arts ¹	(3)
MTH 240	Statistics ¹	(3)
SPD 100	Principles of Public Speaking	(3)
SDV 100	College Success Skills ³	(1)
—	Health/Physical Education ³	(2)
—	Science with Lab ³	(8)
—	Social Science Elective ³	(3)

Program Requirements (27 Credits)

SPD 131-132	Acting I-II	(6)
SPD 141	Theatre Appreciation I	(3)
SPD 233-234	Rehearsal and Performance I-II	(6)
SPD 241	Introduction to Directing I	(3)
SPD —	Voice and Movement	(3)
SPD —	Approved Electives	(6)

Minimum Credits Required: 62

- 1 Placement test or prerequisite required.
- 2 Students may select any two history courses (6 credits) from this list to meet the requirement. HIS courses do not have to be taken sequentially. Consult transfer institution to choose appropriate courses for your transfer program.
- 3 Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).

NOTES:

Investigate the requirements of transfer institutions before choosing electives, and consult a transfer counselor or academic advisor to plan your program.
In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).



**GENERAL STUDIES:
THEATRE ARTS: TECHNICAL THEATRE**

COLLEGE/UNIVERSITY TRANSFER

The Technical Theatre specialization is designed to provide training for those students primarily interested in areas such as set design, lighting, set construction, scenic painting, and special effects. The program is designed to provide students with a broad technical theatre introduction through formal classroom instruction, laboratory projects and hands-on production experience in the college's four theatre spaces. Students also will have opportunities to work as an intern in local professional theatre and be prepared to transfer to a four-year theatre arts program that offers the bachelor's degree.

In addition to the college's general admission requirements, students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with a transfer counselor or academic advisor and select electives that will meet the requirements of the college or university that they plan to attend. The Associates in Science (AS) degree normally takes four full-time semesters to complete.

ASSOCIATE IN SCIENCE DEGREE: GENERAL STUDIES

Specialization: Technical Theatre (699.52)

General Education Requirements (35 Credits)

ENG 111-112	College Composition I-II1	.....(6)
HIS 101-102	History of Western Civilization I-II ²	
	or	
HIS 111-112	History of World Civilization I-II	
	or	
HIS 121-122	United States History I-II	.....(6)
MTH 152	Math for Liberal Arts ¹	.....(3)
MTH 240	Statistics ¹	.....(3)
SPD 100	Principles of Public Speaking	.....(3)
SDV 100	College Success Skills ³	.....(1)
—	Health/Physical Education ³	.....(2)
—	Science with Lab ³	.....(8)
—	Social Science Elective ³	.....(3)

Program Requirements (27 Credits)

SPD 136	Theatre Workshop I ⁴	.....(3)
SPD 141	Theatre Appreciation I	.....(3)
SPD 145	Stagecraft	.....(3)
SPD 240	Basic Set Design	.....(3)
SPD 251	Lighting and Sound	.....(3)
SPD —	Approved technical theatre elective ⁴	.....(12)

Minimum Credits Required: 62

- 1 Placement test or prerequisite required.
- 2 Students may select any two history courses (6 credits) from this list to meet the requirement. HIS courses do not have to be taken sequentially. Consult transfer institution to choose appropriate courses for your transfer program.
- 3 Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).
- 4 Student may take SPD 131, 233, 234 or 285 (for 3 credits) as approved electives.

NOTES:

Investigate the requirements of transfer institutions before choosing electives, and consult a transfer counselor or academic advisor to plan your program.
In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).



This program prepares students to transfer to a four-year college or university to pursue a Bachelor of Science (BS) degree in science. Among the majors the AS in science leads to are biology, chemistry, dental hygiene, forestry, general science, geophysical science, mathematics, medical technology, nuclear medicine, nursing, pharmacy, and physics. The program also prepares students for medical, dental, and veterinary studies.

In addition to the college's general admission requirements, students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with a transfer counselor or academic advisor to plan programs and select electives that will meet the requirements of the college or university that they plan to attend. The Associate in Science (AS) degree normally takes four full-time semesters to complete.

ASSOCIATE IN SCIENCE DEGREE: SCIENCE (880)

General Education Requirements (44 Credits)

ENG 111-112	College Composition I-II ¹	(6)
HIS 101-102	History of Western Civilization I-II ²	
	or	
HIS 111-112	History of World Civilization I-II	
	or	
HIS 121-122	United States History I-II	(6)
MTH 163-164	Precalculus I-II ¹	(6)
SPD 100	Principles of Public Speaking ⁴	(3)
SDV 100	College Success Skills ³	(1)
_____	Health/Physical Education ³	(2)
_____	Humanities Electives ³	(6)
_____	Science with Lab (sequence required) ³	(8)
_____	Social Science Electives ³	(8)

Program Requirements (16 Credits)

_____	Science with Lab (sequence required) ³	(8)
_____	Electives	(8)

Minimum Credits Required: 60

- 1 Placement test or prerequisite required.
- 2 Students may select any two history courses (6 credits) from this list to meet the requirement. HIS courses do not have to be taken sequentially. Consult transfer institution to choose appropriate courses for your transfer program.
- 3 Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).
- 4 Students may substitute SPD 105 for SPD 100. Consult transfer institution to insure that the substitution is appropriate for your transfer program.

NOTES:

In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).

Curriculum Options/Recommendations: Course requirements differ from school to school and major to major. Investigate the requirements of transfer institutions before choosing mathematics courses, laboratory sciences, and electives. Consult a transfer counselor or academic advisor to plan your program.

Biology/Pharmacy/Forestry/General Science: Students should take MTH 163-164 and take a third laboratory science that is appropriate to their curriculum for the eight elective credits. Some colleges and universities require calculus for their biology and pharmacy majors. Students should check college catalogs and transfer guides to determine mathematics and laboratory science requirements.

Chemistry/Physics/Mathematics/Geophysical Sciences: Students should take MTH 173, 174, 275, and 279 to insure junior-level status at the transfer institution. Mathematics requirements are quite varied at transfer institutions. Students should examine the catalog requirements of the senior institutions to which they intend to transfer.

Preparation for Medical, Dental, and Veterinary Studies: Students should take MTH 163-164 and at least one semester of calculus (MTH 173). Biology (BIO 101-102), Chemistry (CHM 111-112), Organic Chemistry (CHM 241-242), and Physics (PHY 201-202) are the introductory level laboratory sciences generally completed at the freshman/sophomore level.

Health Science Majors (Dental Hygiene, Nursing, Nuclear Medicine, and Medical Technology): Students should complete MTH 163-240 for most baccalaureate health science majors. Students should check college catalogs and transfer guides to determine appropriate mathematics and laboratory science requirements. The appropriate academic dean must approve a waiver/substitution in order to substitute MTH 240 for MTH 164.



**SCIENCE:
COMPUTER SCIENCE**

COLLEGE/UNIVERSITY TRANSFER

The Associate in Science degree with a specialization in Computer Science is designed for students who plan to transfer to a four-year college or university to pursue a baccalaureate degree. This degree meets the needs of students seeking teacher certification in secondary mathematics or computer science.

In addition to the college's general admission requirements, students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with a transfer counselor or academic advisor to plan programs and select electives that will meet the requirements of the college or university that they plan to attend. The Associate in Science (AS) degree normally takes four full-time semesters to complete.

ASSOCIATE IN SCIENCE DEGREE: SCIENCE

Specialization: Computer Science (880.01)

General Education Requirements (45 Credits)

ENG 111-112	College Composition I-II ¹	(6)
HIS 101-102	History of Western Civilization I-II ²	
	or	
HIS 111-112	History of World Civilization I-II	
	or	
HIS 121-122	United States History I-II	(6)
MTH 173-174	Calculus with Analytic Geometry I-II ¹	(10)
SPD 100	Principles of Public Speaking ⁴	(3)
SDV 100	College Success Skills ³	(1)
_____	Health/Physical Education ³	(2)
_____	Humanities Elective ³	(3)
_____	Science with Lab (sequence required) ³	(8)
_____	Social Science Electives ³	(6)

Program Requirements (17 Credits)

CSC 110	Introduction to Computing	(3)
CSC 201	Computer Science I	(4)
CSC 205	Computer Organization	(3)
CSC 210	Programming with C++	(4)
CSC 215	Advanced Computer Organization	(3)

Minimum Credits Required: 62

- 1 Placement test or prerequisite required.
- 2 Students may select any two history courses (6 credits) from this list to meet the requirement. HIS courses do not have to be taken sequentially. Consult transfer institution to choose appropriate courses for your transfer program.
- 3 Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).
- 4 Students may substitute SPD 105 for SPD 100. Consult transfer institution to insure that the substitution is appropriate for your transfer program.

NOTES:

Investigate the requirements of transfer institutions before choosing electives, and consult a transfer counselor or academic advisor to plan your program.

The CSC courses are offered exclusively at the Virginia Beach Campus.

In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).



This degree is designed for students who plan to transfer to a four-year college or university to pursue a baccalaureate degree in one of the social sciences. It also prepares students for some teacher certification programs.

In addition to the college's general admission requirements students are required to complete Student Assessment Program (placement) tests in reading, composition, and mathematics. The college has a required developmental program for students who need to remedy deficiencies in these areas.

Students need to consult with a transfer counselor or academic advisor to plan programs and select electives that will meet the requirements of the college or university that they plan to attend. The Associate in Science (AS) degree normally takes four full-time semesters to complete.

ASSOCIATE IN SCIENCE DEGREE: SOCIAL SCIENCES (882)

General Education Requirements (38 Credits)

ENG 111-112	College Composition I-II ¹	(6)
HIS 101-102	History of Western Civilization I-II ²	(6)
	or	
HIS 111-112	History of World Civilization I-II	(6)
	or	
HIS 121-122	United States History I-II	(6)
MTH 158-240	College Algebra ¹ , Statistics ¹	(6)
	or	
MTH 163-164	Precalculus I-II ¹	(6)
SPD 100	Principles of Public Speaking ⁴	(3)
SDV 100	College Success Skills ³	(1)
—	Health/Physical Education ³	(2)
—	Humanities Electives ³	(6)
—	Science with Lab ³	(8)

Program Requirements (24 Credits)

—	Social Science Electives ³	(12)
—	Humanities/Social Science Electives ³	(9)
—	Elective	(3)

Minimum Credits Required: 62

- 1 Placement test or prerequisite required.
- 2 Students may select any two history courses (6 credits) from this list to meet the requirement. HIS courses do not have to be taken sequentially. Consult transfer institution to choose appropriate courses for your transfer program.
- 3 Eligible courses are listed on page 155. See your academic advisor or counselor to choose the appropriate course(s).
- 4 Students may substitute SPD 105 for SPD 100. Consult transfer institution to insure that the substitution is appropriate for your transfer program.

NOTES:

Investigate the requirements of transfer institutions before choosing electives, and consult a transfer counselor or academic advisor to plan your program.

In order to graduate with the associate's degree, you must meet the college's computer competency requirement (see page 34).