

## Education

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### ***Student Teaching and Education Program Coordinator***

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## Department Mission

The Education Department at St. Francis College prepares teachers to serve and lead in a multicultural community. Through reflective, constructive teaching, we develop our students' capacities to become caring, competent, and qualified educators. We strive to provide a curriculum that is academically and pedagogically challenging, in a departmental environment that nurtures mutual respect, empathy and an emphasis on affirming and encouraging the best in others. Our programs reflect our deep commitment to the Franciscan ideals of service to the community, acceptance of individual differences, and caring. Our aim is to graduate student-centered practitioners who place students at the heart of their teaching.

## Goals and Objectives

The goals of the St. Francis College Childhood and Adolescence Teacher Education programs are to prepare teachers who are:

- *Familiar with state mandated content standards*
- *Familiar with current research and best practices in education and their content areas*
- *Disposed to be reflective, ethical, and caring practitioners who strive for subject mastery and excellence in teaching*
- *Models of active, informed citizens who are committed to lifelong learning*
- *Committed to continually increase their knowledge of content and pedagogy*
- *Determined to create a classroom environment in which learning and respect for individual diversity are priorities*
- *Effective communicators to their students, parents, peers, and community members*
- *Advocates for the rights of all students to achieve their full potential*

The College also seeks to prepare Education Department graduates to meet the standards set by the New York State Board of Regents:

- *All students will meet high standards.*
- *The public will be served by qualified, ethical professionals who remain current and reflect the diversity of New York State.*

The goals of the St. Francis Physical Education Program are to prepare teachers who are:

- *Familiar with the New York State Learning Standards in Physical Education.*
- *Familiar with current research and practices in Physical Education.*
- *Disposed to be reflective, caring learners who strive for excellence in teaching.*
- *Models of health and fitness and active, informed citizens who are committed to lifelong learning.*
- *Committed to continually increase their knowledge of content and pedagogy.*
- *Determined to create a classroom environment where health, fitness, and good sportsmanship are a priority.*
- *Effective communicators to learners, parents, and peers.*
- *Advocates for health, fitness, and integrated learning.*

## Certificate Programs

All Education programs lead to initial state teaching certification. In addition to completing the general education program and prescribed pedagogical coursework, majors in Childhood Education must complete a concentration in Biology, English, Mathematics, or Social Studies, including a minimum of 30 credits with an index of B or better (credit requirements in the liberal arts area of concentration may vary from subject area to subject area). Adolescence Education majors must complete a liberal arts concentration in Biology, Chemistry, English, Mathematics, or Social Studies. Physical Education Majors must complete prescribed coursework in Physical Education in addition to the general education program and prescribed pedagogical coursework.

## Admission Requirements

The Education Department is comprised of three Initial Teacher Certification programs of study: Childhood Education (CED), Adolescence Education (AED), and Physical Education (PE). In

order to be considered for admission into any one of the three programs of study, a student must first meet several criteria:

- Grade of B or better in ED 1201-Foundations of Education and ED 2020-Educational Psychology, as well as departmental approval
- 24 SFC credits completed
- Cumulative GPA of 3.0 or better

If a student meets the general criteria listed above, he/she may pursue admission to the program. The following must be completed or submitted as part of the application process:

- Application
- Transcripts
- Two Character Supplements
- Signed Declaration of Major filed with Registrar
- Autobiographical video
- Personal Statement

An Evaluation Committee of three tenured faculty members reviews potential candidates' videos, completes a rating form and makes a recommendation to the Education Department Chair concerning the predisposition or suitability of the candidate for a teaching career. The video provides an opportunity for the program faculty to gather information about an applicant's genuine interest in a teaching career, as well as other rating criteria that include: language proficiency, attitude, professional goals, emotional maturity, capacity for empathy, and an understanding of the ethical dimensions of teaching.

#### **Personal Statement**

As part of the application process, students must also write a personal statement. The document should be three to four pages, double spaced and typed, and respond to questions pertaining to an applicant's background, educational experiences, previous experience in working with children or youth, and motivation for pursuing a teaching profession. The personal statement is completed on site in a timed and supervised setting. Criteria for evaluating the personal statement consist of but are not limited to: organization of ideas, grammar, and the ability to express oneself in a compelling manner.

#### **Character Supplements**

The applicant must obtain two character supplements from individuals who have had an opportunity to observe or work closely with the applicant and can attest to his/her character, personal characteristics, as well as academic competencies where applicable. Suitable respondents may include professors, mentors, principals, teachers or supervisors.

Transfer students must meet with the Chair of the Education Department to evaluate their credits and to plan their program. At this time, a determination will be made as to whether the student can be admitted to the Education Program of study.

#### **Application Submission and Review**

Applications for admission to the Education Department may be submitted at any time. Completed applications will be reviewed prior to the start of the fall and spring semesters. Applicants wanting to begin in the fall must submit their application by June 1st and applicants wanting to begin in the spring must submit their application no later than January 1st. Incomplete applications will not be considered.

Questions concerning admissions materials may be directed to Lisa Paolucci at [lpaulucci@sfc.edu](mailto:lpaulucci@sfc.edu) or 718.489.5279.

Two possible outcomes include acceptance or denial. Students will be notified about the outcome of their application in writing, within two weeks from the time of their submission.

#### **PROGRAM CONTINUATION POLICY**

Once admitted, a student must meet the following requirements in order to maintain his/her standing as a candidate in the Teacher Education Program:

- Maintain an overall GPA of 3.0 or higher
- Maintain a 3.0 or higher in all education coursework
- Maintain a 3.0 or higher in area of concentration
- Prior to student teaching, complete the required New York State Certification Examinations (NYSTCE): Academic Literacy Skills Test (ALST), Educating All Students Exam (EAS), and the Content Specialty Test (CST)
- Complete required three workshops prior to student teaching: Identification and Prevention of Child Abuse, School Violence Identification and Prevention (SAVE), and Training in Harassment, Bullying, and Discrimination Prevention and Intervention (DASA)
- Receive no lower than a C- in any SFC coursework
- Pass a Disposition Review after the completion of 50 credits

Failure to meet the above requirements results in a probationary period lasting one semester, during which time he/she will be permitted to remain in the Education Program for that current semester only if certain conditions are met.

#### **Interview Schedule**

There are two interviews held at benchmarks during the candidate's tenure at SFC. The primary purpose of these meetings is to assess progress in the student's knowledge, skills, and dispositions, to assess strengths and weaknesses, and to suggest areas for future development. The secondary purpose of the interviews is to note areas of concern to the evaluation committee and to flag behaviors, attitudes and/or dispositions that in the committee's judgment negatively impact the student's teaching. Two interviews are held during the student's tenure at the following benchmarks:

Disposition Review - after the completion of 50 credits

Readiness for Placement - completed prior to student teaching placement

#### **Student Teaching**

Every teacher candidate must complete 300 hours of supervised student teaching in a schools identified to be *high needs schools*. The timeframe of the student teaching must be divided into 150 hours to correspond with the specialization of the teacher candidate. For example, childhood teacher candidates must spend 150 hours in the lower elementary grades (1-3) and the other 150 hours in the upper

elementary grades (4-6). Adolescence and Physical Education teacher candidates must divide their student teaching into 150 hours into two different grade levels.

Teacher candidates will be observed on three occasions by their college supervisors to evaluate their performance as pre-service teachers. In addition, their cooperating teachers will also evaluate their performance as student teachers. Teacher candidates must attend a weekly three hour seminar held by college faculty. The focus of the seminars will be on the following: issues related to student teaching, classroom management, planning, and the completion of the edTPA.

Final grades in student teaching depend on several criteria: satisfactory completion of 300 hours student teaching based on observations conducted by college supervisors and cooperating teachers; completion of a portfolio; attendance at seminars; and overall performance to be judged by all college supervisors after reviewing all the information accumulated for this purpose.

## The Admission Process for the Education Program

Students must contact Education Department for special instructions.

### Advisement

Program courses require the approval of the Chairperson or a designated faculty advisor. A quality-point index of at least 3.0 is required to remain in the program. Candidates interested in pursuing teacher certification may refer to the NYSED website: <http://www.highered.nysed.gov/tcert/>.

Students who successfully complete their approved Teacher Education program with an index of 3.0 or higher in their pedagogical coursework and liberal arts concentration will be recommended for a NYSED Initial Certification by the Education Department. To earn this recommendation, candidates must also be fingerprinted, pass Educating All Students (EAS), Academic Literacy Skills Test (ALST), the Teacher Performance Assessment (edTPA), and Revised Content Specialty Tests (CST). Candidates must also complete the following workshops:

- Identification and Prevention of Child Abuse
- School Violence Prevention and Intervention Seminar (SAVE)
- Training in Harassment, Bullying, and Discrimination Prevention and Intervention Seminar (DASA)

### Field Experience

Education courses require five hours of field experience for each credit earned. A two-credit course requires 10 hours; a three-credit course requires 15 hours. Field experience hours may not be combined.



# Program Requirements

## Major in Adolescence Education—Concentration in Biology

Courses	Credits	Prerequisite(s)	Co-Requisite(s)	
General Education Program ( <a href="#">see page 15</a> ).....	53			
First Year College.....				
➔ <b>QR - Take MAT 1107 Algebra &amp; Trig for Sci Majors (4 crs)</b> .....		MAT 1105 or placement exam		
Bodies of Knowledge .....				
➔ <b>NPW - Take CHE 1201 General Chemistry I (5 crs)</b> .....		.....	BIO 1201 and MAT 1107	
➔ <b>NPW - Take CHE 1202 General Chemistry II (5 crs)</b> .....		CHE 1201		
ED 1201 Foundations of Education: History and Philosophy .....	3	Cumulative index 3.0 or higher		
ED 2020/PSY 2230 Educational Psychology .....	3	Cumulative index 3.0 or higher		
ED 2040/PSY 2233 The Psychology of the Exceptional Child .....	3	Cumulative index 3.0 or higher		
ED 2100/PSY 2231 Assessment and Evaluation .....	3	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program		
ED 3000 Teaching with Technology .....	3			
ED 4350 Literacy Skills/Second Language Development in ELL.....	3		{ AED 2200 ED 2100 AED 3320 AED 3340, AED 3400, AED 3500, or AED 3600	
ED 4990 Supervised Student Teaching <sup>1</sup> .....	6	Chairperson's approval; must have attempted ALST, EAS, CST and three workshops		
AED 2200 Methods and Strategies of Secondary Education .....	3	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program		
AED 3320 Special Methods of Secondary Reading Instruction .....	3		{ AED 2200 ED 2100	
AED 3600 Special Methods of Secondary Biology .....	3		{ AED 2200 ED 2100	
Select <b>TWO</b> foreign language courses in sequence .....	6			
BIO 1140 Anatomy and Physiology I .....	4			
BIO 1141 Anatomy and Physiology II .....	4	BIO 1140		
BIO 1201 General Biology I.....	5	.....	CHE 1201	
BIO 1202 General Biology II .....	5	BIO 1201 .....	CHE 1202	
BIO 2204 Ecology .....	4	BIO 1202		
BIO 2250 Introduction to Cell Biology .....	4	BIO 1202 .....	CHE 2101	
BIO 3303 Genetics.....	4	BIO 1202		
Choose <b>TWO</b> of the following:.....	8			
BIO 2202 Comparative Anatomy.....		BIO 1202		
BIO 2203 Invertebrate Zoology .....		BIO1202		
BIO 3300 Microbiology .....		BIO 1141 or BIO 1202		
BIO 3302 Botany.....		BIO 1202		
BIO 4000 Marine Biology .....		BIO 2250 and CHE 2102		
MAT 2301 Statistics .....	3	MAT 1104 or higher		
<b>Total credits required</b> .....	<b>133</b>			

<sup>1</sup>The successful completion of ED 4990 satisfies the College's Comprehensive Examination/Thesis requirement.



## Major in Adolescence Education—Concentration in Chemistry

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
General Education Program(see page 15) .....	52		
First Year College.....			
Bodies of Knowledge .....			
➔ NPW - Take BIO 1201 General Biology I (5 crs).....			CHE 1201
➔ NPW - Take BIO 1202 General Biology II (5 crs).....		BIO 1201 .....	CHE 1202
ED 1201 Foundations of Education: History and Philosophy .....	3	Cumulative index 3.0 or higher	
ED 2020/PSY 2230 Educational Psychology .....	3	Cumulative index 3.0 or higher	
ED 2040/PSY 2233 The Psychology of the Exceptional Child .....	3	Cumulative index 3.0 or higher	
ED 2100/PSY 2231 Assessment and Evaluation .....	3	ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher	Chairperson's approval by formal admission to program
ED 3000 Teaching with Technology .....	3		
ED 4350 Literacy Skills/Second Language Development in ELL .....	3	AED 2200 ED 2100 AED 3320 AED 3340, AED 3400, AED 3500, or AED 3600	
ED 4990 Supervised Student Teaching <sup>1</sup> .....	6	Chairperson's approval; must have attempted ALST, EAS, CST and three workshops	
AED 2200 Methods and Strategies of Secondary Education .....	3	ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher	Chairperson's approval by formal admission to program
AED 3320 Special Methods of Secondary Reading Instruction .....	3	AED 2200 ED 2100	
AED 3650 Special Methods of Secondary Chemistry .....	3	AED 2200 ED 2100	
Select <b>TWO</b> foreign language courses in sequence .....	6		
CHE 1201 General Chemistry I.....	5	MAT 1107.....	BIO-1201 or exam
CHE 1202 General Chemistry II .....	5	CHE 1201 .....	BIO-1202
CHE 2050 Analytical Chemistry .....	4	CHE 1202	
CHE 2101 Organic Chemistry I.....	5	CHE 1202	
CHE 2102 Organic Chemistry II .....	5	CHE 2101	
CHE 3001 Biochemistry.....	4	CHE 2102	
CHE 4001 Physical Chemistry .....	4	CHE 2102, MAT 2301 and PHY 2002	
PHY 2001 General Physics I .....	4	MAT 2202	
PHY 2002 General Physics II.....	4	PHY 2001	
Total credits required .....	131		

<sup>1</sup>The successful completion of ED 4990 satisfies the College's Comprehensive Examination/Thesis requirement.

## Major in Adolescence Education—Concentration in English

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
General Education Program( <a href="#">see page 15</a> ).....	48		
First Year College .....			
➔ <b>FH - Take HS 1001 Health Issues</b> .....			
Bodies of Knowledge.....			
ED 1201 Foundations of Education: History and Philosophy.....	3	Cumulative index 3.0 or higher	
ED 2020/PSY 2230 Educational Psychology.....	3	Cumulative index 3.0 or higher	
ED 2040/PSY 2233 The Psychology of the Exceptional Child.....	3	Cumulative index 3.0 or higher	
ED 2100/PSY 2231 Assessment and Evaluation.....	3	ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
ED 3000 Teaching with Technology .....	3		
ED 4350 Literacy Skills/Second Language Development in ELL.....	3	AED 2200 ED 2100 AED 3320 AED 3340, AED 3400, AED 3500, or AED 3600 Chairperson's approval; must have attempted ALST, EAS, CST and three workshops (Child Abuse, School Violence Prevention and DASA)	
ED 4990 Supervised Student Teaching <sup>1</sup> .....	6		
AED 2200 Methods and Strategies of Secondary Education.....	3	ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
AED 3320 Special Methods of Secondary Reading Instruction.....	3	AED 2200 ED 2100	
AED 3340 Special Methods of Secondary English.....	3	AED 2200 ED 2100	
Select <b>ONE</b> foreign language courses in sequence.....	6		
Select <b>ONE</b> Mathematics course (except MAT 1101) <sup>2</sup> .....	3		
Select <b>FOUR</b> ENG courses 2000-2999.....	12	WRI 1100	
Select <b>FIVE</b> ENG courses 3000 or higher.....	15	Any ENG course 2000 or higher Five ENG courses 2100 or higher	
Any ENG seminar course 4000-4999.....	3		
Liberal arts electives <sup>2</sup> ( <a href="#">for specific academic subjects, see page 15</a> ) ....	9		
Total credits required.....	129		

<sup>1</sup>The successful completion of ED 4990 satisfies the College's Comprehensive Examination/Thesis requirement.

<sup>2</sup>Students pursuing a Bachelor of Arts degree must complete 2/3 of their degree credits (i.e. minimum 90 credits) from courses in the Liberal Arts category. For specific academic subjects, see page 15.

## Major in Adolescence Education—Concentration in Mathematics

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
General Education Program (see page 15).....	49		
First Year College .....			
➔ <b>QR - Take MAT 1105 College Algebra</b> .....		MAT 1101 or placement exam	
Bodies of Knowledge.....			
➔ <b>NPW - Take CHE 1101 Chemistry and Life (4 crs)</b> .....		MAT 1101 or placement exam	
➔ <b>NPW - Take PHY 1001 Physics and the Modern World</b> .....			
ED 1201 Foundations of Education: History and Philosophy.....	3	Cumulative index 3.0 or higher	
ED 2020/PSY 2230 Educational Psychology .....	3	Cumulative index 3.0 or higher	
ED 2040/PSY 2233 The Psychology of the Exceptional Child .....	3	Cumulative index 3.0 or higher	
ED 2100/PSY 2231 Assessment and Evaluation.....	3	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
ED 3000 Teaching with Technology .....	3		
ED 4350 Literacy Skills/Second Language Development in ELL.....	3		{ AED 2200 ED 2100 AED 3320 AED 3340, AED 3400, AED 3500, or AED 3600
ED 4990 Supervised Student Teaching.....	6	Chairperson's approval; must have attempted ALST, EAS, CST and three workshops	
AED 2200 Methods and Strategies of Secondary Education.....	3	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
AED 3320 Special Methods of Secondary Reading Instruction .....	3		
AED 3400 Special Methods of Secondary Mathematics.....	3	{ AED 2200 ED 2100 Mathematics Chairperson's approval	
Select <b>TWO</b> foreign language courses in sequence.....	6		
MAT 1107 Algebra and Trigonometry for Science Majors .....	4	MAT 1105 or placement exam	
MAT 2202 Calculus I.....	4	MAT 1107 or placement exam	
MAT 2203 Calculus II .....	4	MAT 2202	
MAT 2301 Statistics .....	3	MAT 1104 or higher or placement exam	
MAT 2309 College Geometry .....	3	MAT 2202	
MAT 3304 Calculus III.....	4	MAT 2203	
MAT 3312 Linear Algebra .....	4	MAT 2203	
MAT 3401 Differential Equations I.....	3	MAT-2203	
MAT 3406 Theory of Numbers.....	3	MAT 2202	
MAT 4403 Advanced Calculus I.....	4	MAT-3304	
MAT 4995 Independent Study in Mathematics .....	3	Chairperson's approval	
General Elective.....	3		
<b>Total credits required</b> .....	<b>130</b>		

*The successful completion of ED 4990 satisfies the College's Comprehensive Examination/Thesis requirement.*

## Major in Adolescence Education—Concentration in Social Studies

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
General Education Program (see page 15).....	48		
First Year College .....			
➔ <b>FH - Take HS 1001 Health Issues</b> .....			
Bodies of Knowledge.....			
➔ <b>SEH - Take ECO 1201 Principles of Macroeconomics</b> .....		MAT 1101 or placement exam (pre- or co-requisite)	
➔ <b>SEH - Take ECO 2202 Principles of Microeconomics</b> .....		ECO 1201	
ED 1201 Foundations of Education: History and Philosophy.....	3	Cumulative index 3.0 or higher	
ED 2020/PSY 2230 Educational Psychology .....	3	Cumulative index 3.0 or higher	
ED 2040/PSY 2233 The Psychology of the Exceptional Child .....	3	Cumulative index 3.0 or higher	
ED 2100/PSY 2231 Assessment and Evaluation.....	3	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
ED 3000 Teaching with Technology .....	3		
ED 4350 Literacy Skills/Second Language Development in ELL.....	3		{ AED 2200 ED 2100 AED 3320 AED 3340, AED 3400, AED 3500, or AED 3600
ED 4990 Supervised Student Teaching <sup>1</sup> .....	6	Chairperson's approval; must have attempted ALST, EAS, CST and three workshops	
AED 2200 Methods and Strategies of Secondary Education.....	3	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
AED 3320 Special Methods of Secondary Reading Instruction .....	3	{ AED 2200 ED 2100	
AED 3500 Special Methods of Secondary Social Studies .....	3	{ AED 2200 ED 2100	
Select <b>TWO</b> foreign language courses in sequence.....	6		
Select <b>ONE</b> Mathematics course (except MAT 1101).....	3		
HIS 1101 Survey of Western Civilization (to 1500).....	3		
HIS 3301 Medieval History .....	3	HIS 1201	
HIS 3312 Renaissance and Reformation.....	3	HIS 1201	
HIS 3401 History of the U.S.: The Age of Discovery–1789 .....	3	HIS 1201	
HIS 3402 History of the United States: 1789–1896.....	3	HIS 1201	
Select <b>ONE</b> of the following courses.....	3		
HIS 3307 Race and Ethnicity in American Life .....		HIS 1201	
HIS 3311 African-American History .....		HIS 1201	
Select <b>THREE</b> of the following courses .....	6		
HIS 2303 The World in the 20th Century.....		HIS 1201 or 15 college credits	
PSC 2320-2323 Current Problems.....		HIS 1201 or 15 college credits	
HIS 3310 Latin-American History.....		HIS 1201	
HIS 3501 The Atlantic World .....		HIS 1201	
PSC 2317 Government and Politics of Africa.....		PSC 1202	
PSC 2318 Government and Politics of Asia.....		PSC 1202	
SOC 2040 Social Anthropology.....		SOC 1000	
Select <b>ONE</b> of the following courses.....	3		
HIS 2201 New York on Location: Walking Tours in the City .....		HIS 1201	
HIS 3480 New York City in the American Urban Experience .....		HIS 1201	
HIS 3490 Famous Trail: Landmarks Legal Cases in American History ..		HIS 1201	
PSC 1204 American National Government .....	3		
Liberal arts electives <sup>2</sup> (for specific academic subjects, see page 15) .....	6		
Total credits required.....	129		

<sup>1</sup>The successful completion of ED 4990 satisfies the College's Comprehensive Examination/Thesis requirement.

<sup>2</sup>Students pursuing a Bachelor of Arts degree must complete 2/3 of their degree credits (i.e. minimum 90 credits) from courses in the Liberal Arts category. For specific academic subjects, see page 15.



## Major in Childhood Education—Concentration in Biology

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
General Education Program(see page 15).....	50		
First Year College .....			
➔ <b>QR - Take MAT 1107 Algebra and Trig for Sci Maj (4 crs)</b> .....		MAT 1105	
Bodies of Knowledge.....			
➔ <b>NPW - Take CHE 1101 Chemistry and Life (4 crs)</b> .....		MAT 1101 or placement exam	
➔ <b>NPW - Take PHY 1001 Physics and the Modern World</b> .....			
ED 1201 Foundations of Education: History and Philosophy.....	3	Cumulative index 3.0 or higher	
ED 2020/PSY 2230 Educational Psychology .....	3	Cumulative index 3.0 or higher	
ED 2040/PSY 2233 Psychology of the Exceptional Child .....	3	Cumulative index 3.0 or higher	
ED 2100/PSY 2231 Assessment and Evaluation.....	3	{ ED 1201 with a grade of B or higher ED 2020 with a grade of B or higher	
ED 3000 Teaching with Technology .....	3		
ED 4350 Literacy Skills/Second Language Development in ELL.....	3	{ ED 2100 CED 2200 CED 3000 CED 3200 CED 3300 and CED 3700	
ED 4990 Supervised Student Teaching.....	6		Chairperson's approval; must have attempted ALST, EAS, CST and three workshops
CED 2200 Effective Teaching Methods/Strategies.....	3		{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval
CED 3000 Science Methods for K-5.....	3		{ ED 1201 ED 2202 6 credits in the appropriate MAT courses 6 credits in the appropriate SCI courses
CED 3200 Math Method Childhood Education .....	3	{ CED 2200 ED 2100 Cumulative index 3.0 or higher	
CED 3300 Elementary Writing Instruction .....	3		{ CED 2200 ED 2100
CED 3700 Social Studies and Geography in Childhood Education .....	3	{ CED 2200 ED 2100	
CED 4300 Beginning Reading Instruction .....	3		{ CED 2200 ED 2100 ED 3000
Select <b>TWO</b> foreign language courses in sequence.....	6		
BIO 1140 Anatomy and Physiology I.....	4		
BIO 1141 Anatomy and Physiology II .....	4	BIO 1140	
BIO 1201 General Biology I.....	5		CHE 1201
BIO 1202 General Biology II.....	5	BIO 1201 .....	CHE 1202
BIO 2204 Ecology.....	4	BIO 1202	
Choose <b>TWO</b> of the following.....	8		
BIO 2202 Comparative Anatomy .....		BIO 1202	
BIO 2203 Invertebrate Zoology.....		BIO 1202	
BIO 2250 Introduction to Cell Biology .....		BIO 1202 .....	CHE 2101
BIO 3302 Botany .....		BIO 1202	
BIO 3303 Genetics .....		BIO 1202	
BIO 4000 Marine Biology.....			
MAT 2301 Statistics .....	3	MAT 1104 or Higher	
<b>Total credits required</b> .....	<b>131</b>		

*The successful completion of ED 4990 satisfies the College's Comprehensive Examination/Thesis requirement.*

## Major in Childhood Education—Concentration in English

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
General Education Program (see page 15).....	48		
First Year College .....			
➔ <b>QR - Take MAT 1104 Discrete Mathematics</b> .....		MAT 1101 or higher	
➔ <b>FH - Take HS 1001 Health Issues</b> .....			
Bodies of Knowledge.....			
ED 1201 Foundations of Education: History and Philosophy.....	3	Cumulative index 3.0 or higher	
ED 2020/PSY 2230 Educational Psychology.....	3	Cumulative index 3.0 or higher	
ED 2040/PSY 2233 Psychology of the Exceptional Child.....	3	Cumulative index 3.0 or higher	
ED 2100/PSY 2231 Assessment and Evaluation.....	3	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
ED 3000 Teaching with Technology .....	3		
ED 4350 Literacy Skills/Second Language Development in ELL.....	3	{ ED 2100 CED 2200 CED 3000 CED 3200 CED 3300 and CED 3700 Chairperson's approval; must have attempted ALST, EAS, CST and three workshops	
ED 4990 Supervised Student Teaching.....	6		
CED 2200 Effective Teaching Methods/Strategies.....	3	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
CED 3000 Science Methods for K-5.....	3		
CED 3200 Math Method Childhood Education .....	3	{ ED 1201 ED 2202 6 credits in the appropriate MAT courses 6 credits in the appropriate SCI courses	
CED 3300 Elementary Writing Instruction .....	3		
CED 3700 Social Studies and Geography in Childhood Education.....	3	{ CED 2200 ED 2100 Cumulative index 3.0 or higher	
CED 4300 Beginning Reading Instruction .....	3		
Select <b>TWO</b> foreign language courses in sequence.....	6		
Select <b>FIVE</b> ENG course 2000-2999 .....	15	WRI 1100	
Select <b>FOUR</b> ENG courses 3000 or higher .....	12	Any ENG course 2000 or higher	
Select <b>ONE</b> ENG course 4000 Level.....	3		
MAT 1103 Foundations of Mathematics.....	3	MAT 1101 or higher	
<b>Total credits required</b> .....	<b>129</b>		

*The successful completion of ED 4990 satisfies the College's Comprehensive Examination/Thesis requirement.*

## Major in Childhood Education—Concentration in Mathematics

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
General Education Program (see page 15).....	48		
First Year College .....			
<b>► QR - Take MAT 1104 Discrete Mathematics</b> .....		MAT 1101 or higher	
Bodies of Knowledge.....			
ED 1201 Foundations of Education: History and Philosophy.....	3	Cumulative index 3.0 or higher	
ED 2020/PSY 2230 Educational Psychology.....	3	Cumulative index 3.0 or higher	
ED 2040/PSY 2233 Psychology of the Exceptional Child.....	3	Cumulative index 3.0 or higher	
ED 2100/PSY 2231 Assessment and Evaluation.....	3	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
ED 3000 Teaching with Technology .....	3		
ED 4350 Literacy Skills/Second Language Development in ELL.....	3	{ ED 2100 CED 2200 CED 3000 CED 3200 CED 3300 and CED 3700 Chairperson's approval; must have attempted ALST, EAS, CST and three workshops (Child Abuse, School Violence Prevention and DASA)	
ED 4990 Supervised Student Teaching.....	6	{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
CED 2200 Effective Teaching Methods/Strategies.....	3	{ ED 1201 ED 2202 credits in the appropriate MAT courses 6 credits in the appropriate SCI courses	
CED 3000 Science Methods for K-5.....	3	{ CED 2200 ED 2100 Cumulative index 3.0 or higher	
CED 3200 Math Method Childhood Education .....	3	{ CED 2200 ED 2100	
CED 3300 Elementary Writing Instruction .....	3	{ CED 2200 ED 2100	
CED 3700 Social Studies and Geography in Childhood Education.....	3	{ CED 2200 ED 2100	
CED 4300 Beginning Reading Instruction .....	3	{ CED 2200 ED 2100 ED 3000	
Select <b>TWO</b> foreign language courses in sequence.....	6		
MAT 1103 Foundations of Mathematics .....	3	MAT 1101 or placement exam	
MAT 1105 College Algebra .....	3	MAT 1101 or placement exam	
MAT 1107 Algebra and Trigonometry for Science Majors .....	4	MAT 1105 or placement exam	
MAT 2202 Calculus I.....	4	MAT 1107 or placement exam	
MAT 2203 Calculus II.....	4	MAT 2202	
MAT 2301 Statistics .....	3	MAT 1104 or higher or placement exam	
MAT 2309 College Geometry .....	3	MA T 2202	
MAT 3305 Calculus Workshop using Technology .....	3	MAT 2202 and MAT 2203	
MAT 3312 Linear Algebra.....	4	MAT 2203	
Select <b>ONE</b> of the following courses.....	3		
MAT 3311 Introduction to Set Theory .....		MAT 2203	
MAT 3406 Theory of Numbers.....		MAT 2202	
MAT 4995 Independent Study in Mathematics .....		{ Senior standing Major in Mathematics or Mathematics Education Chairperson's approval	
Total credits required.....	130		

*The successful completion of ED 4990 satisfies the College's Comprehensive Examination/Thesis requirement.*

## Major in Childhood Education—Concentration in Social Studies

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
General Education Program (see page 15)	48		
First Year College			
➔ <b>QR - Take MAT 1104 Discrete Mathematics</b>		MAT 1101 or higher	
Bodies of Knowledge			
➔ <b>SEH - Take ECO 1201 Principles of Macroeconomics</b>		MAT 1101 or placement exam (pre- or co-requisite)	
➔ <b>SEH - Take ECO 2202 Principles of Microeconomics</b>		ECO 1201	
ED 1201 Foundations of Education: History and Philosophy	3	Cumulative index 3.0 or higher	
ED 2020/PSY 2230 Educational Psychology	3	Cumulative index 3.0 or higher	
ED 2040/PSY 2233 Psychology of the Exceptional Child	3	Cumulative index 3.0 or higher	
ED 2100/PSY 2231 Assessment and Evaluation	3	ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
ED 3000 Teaching with Technology			
ED 4350 Literacy Skills/Second Language Development in ELL	3	ED 2100 CED 2200 CED 3000 CED 3200 CED 3300 and CED 3700	
ED 4990 Supervised Student Teaching	6	Chairperson's approval; must have attempted ALST, EAS, CST and three workshops	
CED 2200 Effective Teaching Methods/Strategies	3	ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson's approval by formal admission to program	
CED 3300 Elementary Writing Instruction	3	CED 2200 and ED 2100	
CED 3200 Math Method Childhood Education	3	CED 2200, ED 2100 and Cumulative index 3.0 or higher	
CED 3000 Science Methods for K-5	3	ED 1201 ED 2202 6 credits in the appropriate MAT courses 6 credits in the appropriate SCI courses	
CED 3700 Social Studies and Geography in Childhood Education	3	CED 2200 ED 2100	
CED 4300 Beginning Reading Instruction	3	CED 2200 ED 2100 ED 3000	
Select <b>TWO</b> foreign language courses in sequence	6		
HIS 1102 Survey of Western Civilization (since 1500)	3		
HIS 3202 Ancient History	3	HIS 1201	
HIS 3301 Medieval History	3	HIS 1201	
HIS 3312 Renaissance and Reformation	3	HIS 1201	
HIS 3401 History of the U.S.: The Age of Discovery—1789	3	HIS 1201	
HIS 3402 History of the United States: 1789—1896	3	HIS 1201	
Select <b>ONE</b> of the following courses	3		
HIS 3307 Race and Ethnicity in American Life		HIS 1201	
HIS 3311 African-American History		HIS 1201	
Select <b>TWO</b> of the following courses	6		
HIS 2303/PSC 2312 The World in the 20 <sup>th</sup> Century		HIS 1201 or 15 college credits	
HIS 3310 Latin-American History		HIS 1201	
HIS 3501 The Atlantic World		HIS 1201	
PSC 2320-2323 Current Problems		HIS 1201 or 15 college credits	
PSC 2317 Government and Politics of Africa		PSC 1202	
PSC 2318 Government and Politics of Asia		PSC 1202	
SOC 2040 Social Anthropology		SOC 1000	
Select <b>ONE</b> of the following courses	3		
HIS 2201 New York On Location: Walking Tours in the City			
HIS 3480 New York City in the American Urban Experience			
HIS 3490 Famous Trails: Landmark Legal Cases in Amer. History			
MAT 1103 Foundations of Mathematics	3	MAT 1101 or placement exam	
<b>Total credits required</b>	<b>129</b>		

*The successful completion of ED 4990 satisfies the College's Comprehensive Examination/Thesis requirement*

## Major in Physical Education—Initial Certificate (Grades K-12)

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
General Education Program(see page 15).....	50		
First Year College .....			
➔ <b>QR - Take MAT 1104 Discrete Mathematics</b> .....		MAT 1101 or higher	
➔ <b>FH - Take HS 1001 Health Issues</b> .....			
Bodies of Knowledge.....			
➔ <b>NPW - BIO 1140 Anatomy and Physiology I (4 crs)</b> .....		BIO 1140	
➔ <b>NPW - BIO 1141 Anatomy and Physiology II (4 crs)</b> .....			
ED 1201 Foundations of Education: History and Philosophy.....	3	Cumulative index 3.0 or higher	
ED 2020/PSY 2230 Educational Psychology .....	3	Cumulative index 3.0 or higher	
Select <b>ONE</b> of the following courses.....	3		
AED 2200 Methods and Strategies of Secondary Education.....		{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson’s approval by formal admission to program	
CED 2200 Effective Teaching Methods/Strategies.....			{ ED 1201 with a grade of 3.0 or higher ED 2020 with a grade of 3.0 or higher Chairperson’s approval by formal admission to program
ED 3000- Teaching w/ Technology .....	3		
Select <b>THREE</b> of the following courses .....	6		
PE 1101 Soccer/Volleyball.....			
PE 1102 Basketball, Baseball, Softball.....			
PE 1104 Badminton .....			
PE 1106 Floor Hockey .....			
PE 1107 Track and Field.....			
Select <b>ONE</b> of the following courses.....	2		
FIT 1121 Beginning Swimming .....			
FIT 1123 Fitness Swimming.....			
PE 2202 History and Principles of Physical Education.....	2	ED 1201 and ED 2020/PSY 2230	
PE 2208 Kinesiology.....	3	{ BIO 1108/BIO 1141 ED 1201 and ED 2020/PSY 2230 PE 2202	
PE 3100 Evaluation of Physical Education.....	2		ED 1201, ED 2020 and Any Skills Activities course
PE 3200 Biomechanics.....	2	{ BIO 1108/BIO 1141 ED 1201 and ED 2020/PSY 2230 PE 2208	
PE 3304 Organization and Administration of Physical Education.....	2		ED 1201 and ED 2020/PSY 2230
PE 3305 Physiology of Exercise .....	3	{ BIO 1108/BIO 1141 ED 1201 and ED 2020/PSY 2230	
PE 3308 Motor Learning .....	3		ED 1201 and ED 2020/PSY 2230
PE 3322 Introduction to Legal Issues .....	3	ED 1201 and ED 2020/PSY 2230	
PE 4300 Curriculum and Methods of Instruction in PE K-12.....	3	{ AED 2200 or CED 2200 ED 1201 and ED 2020/PSY 2230 Senior standing	
PE 4302 Adapted Physical Education .....	3		ED 1201 and ED 2020/PSY 2230
PE 4616 Psychology of Sport.....	3	{ PE 2208 PE 3308	
PE 4990 Supervised Student Teaching in Physical Education <sup>1</sup> .....	6		ED 1201 and ED 2020/PSY 2230
PSY 1103 Child and Adolescent Psychology.....	3	{ PE 4300 PE 3100 Chairperson’s approval	
Select <b>TWO</b> foreign language courses in sequence.....	6		
HS 1206 Safety and First Aid.....	3		
HS 1207 Nutrition.....	3		
Liberal arts electives <sup>2</sup> (for specific academic subjects, see page 15) .....	6		
General electives .....	3		
<b>Total credits required</b> .....	<b>129</b>		

<sup>1</sup>The successful completion of ED 4990 or PE 4990 satisfies the College’s Comprehensive Examination/Thesis requirement.

<sup>2</sup>Students pursuing a Bachelor of Science degree must complete 1/2 of their degree credits (i.e. minimum 60 credits) from courses in the Liberal Arts category. For specific academic subjects, see page 15.



## Minor in Personal Training

This minor prepares students for careers in corporate fitness, health-club management, strength coaching at the NCAA division 1 level, private training, and allied health professions. Students will learn fundamentals of weight loss, program design, nutrition, toning, strength, power, endurance and flexibility. Students will be prepared for personal training certification in organizations that include the clinically aligned America College of Sports Medicine, the sports related

National Strength and Conditioning Association, as well as the fitness club affiliated National Academy of Sports Medicine. Personal trainers are more important now than at any point in world history. Technology, sedentary lifestyles, and inexpensive high fat foods can all contribute to heart disease-the leading cause of death in the USA. Personal trainers are often the first line of defense in combating the obesity epidemic.

Courses	Credits	Prerequisite(s)	Co-Requisite(s)
FIT 1142 Weight Training .....	2		
FIT 1152 Exercise Training Techniques and Methods .....	3		
Choose ANY FIT course .....	2		
HS 1206 Safety and First Aid.....	3		
PE 1500 Personal Training .....	3		
PE 3306 Training Theory.....	3	PE 1500	
<b>Total credits required .....</b>	<b>16</b>		



