



# Coastal Carolina University

## College of Natural and Applied Sciences

Orientation 2009



# College of Natural and Applied Sciences

## Degree programs & curricular structure

“Core” courses (general education)

Major courses

Free electives

Total of 120 credits for graduation



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Core curriculum – general education:

~34-38 credits

Distribution requirements:

English,

Math,

History,

Philosophy,

Languages,

etc...



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Major – focused course of study:

Two parts:

**Foundation requirements (30-60 credits)**

basic math and sciences courses needed for  
fundamental understanding

**Major requirements (30-40 credits)**

science courses needed for breadth and depth  
in the discipline



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Free electives – flexibility in learning:

Allows students to explore other areas of study

Minors

Double majors



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The High School to University transition:

High School – dependent learner

University – independent learner

Our mutual goal: you become a life-long learner



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## The High School to University transition:

Help with the transition process:

This orientation:

concrete information about the University and  
its programs

Advising

First year advising

Major (college based) advising

First Year Experience (FYE)



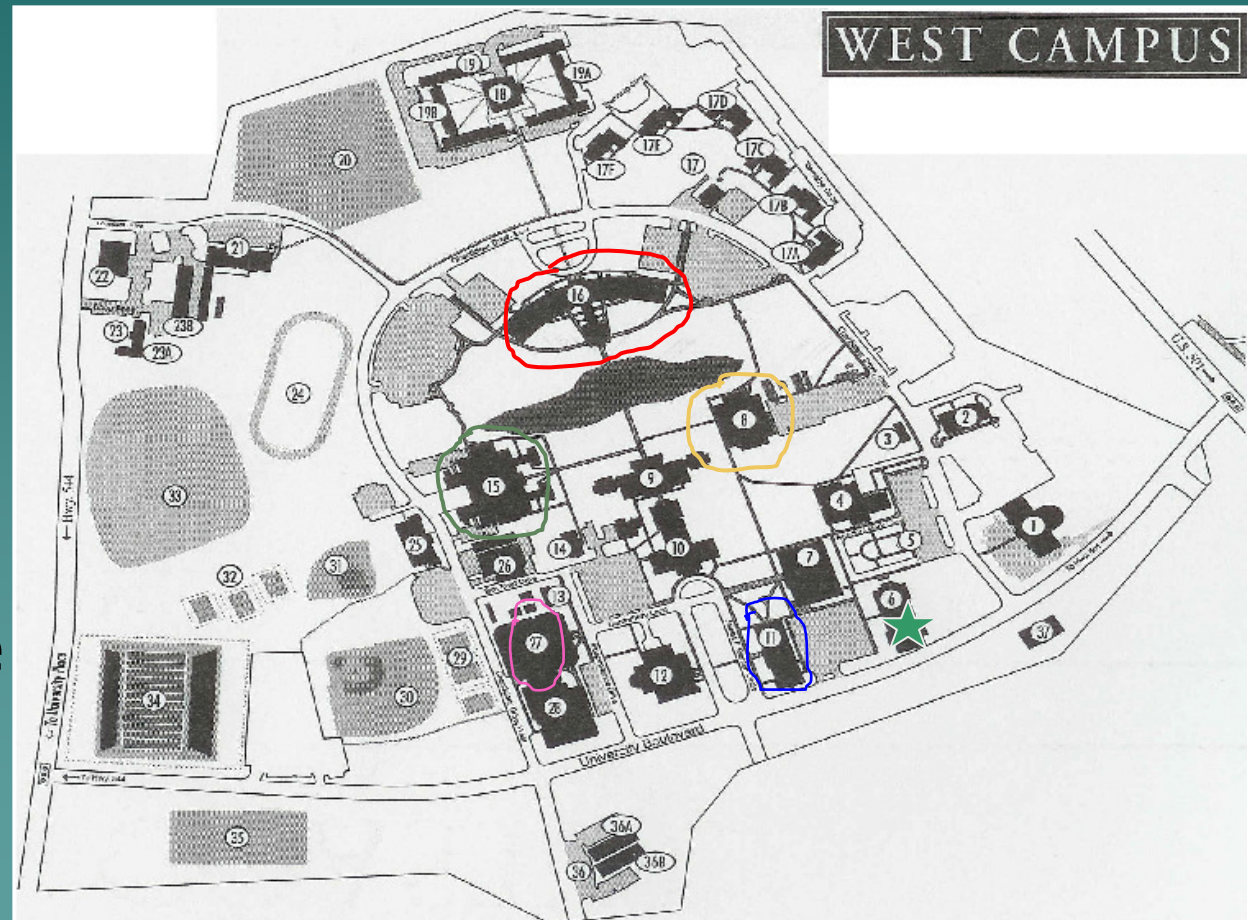
# College of Natural and Applied Sciences

Where do I find everything?

Classes:

- Wall
- Edwards
- Smith
- Kearns
- Williams-Brice

★ we are here





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## Where do I find everything?

### Administrative offices:

Dean – Smith Science Center

#### Departments:

|                 |   |
|-----------------|---|
| Smith:          | Biology<br>Chemistry<br>Physics   |
| Wall:           | Mathematics/Statistics  |
| Kearns:         | Health Promotion<br>Physical Education<br>Recreation and Sport Management |
| Williams-Brice: | Exercise and Sport Science<br>ROTC & Physically Active Living Skills      |
| East Campus:    | Marine Science<br>Psychology/Sociology<br>Computer Science                |



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## Degree programs

### Biology (Bachelor of Science):

Cellular, Molecular & Genetics

Integrative Biology

Ecology, Evolution & Conservation

### Pre health science advising:

Medicine & Dentistry

Pharmacy

Veterinary Medicine

Physician's Assistant

Nursing

Minor in Biology



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## Degree programs

Chemistry/Physics (Bachelor of Science):

Chemistry

Classical

Environmental

Biochemistry

Physics (Applied)

Minors in: Chemistry and Physics



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## Degree programs

### Computer Science (Bachelor of Science):

Theoretical Option

Accredited by: Accreditation Board for  
Engineering and Technology (ABET)

Information Systems Option

Minor in Computer Science



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## Degree programs

### Marine Science (Bachelor of Science):

Marine Biology  
Marine Analytic Technology  
Marine Chemistry  
Atmospheric/Ocean Dynamics  
Coastal Geology

Minors in:        Marine Science  
                      Environmental Science  
                      Coastal Geology



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## Degree programs

### Mathematics/Statistics (Bachelor of Science):

Applied Mathematics

Minors in:      Applied Mathematics  
                      Statistics  
                      Actuarial Science



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## Degree programs

### Psychology/Sociology (Bachelor of Science/Arts):

Psychology – B.S. & B.A.

Sociology – B.A.

Minors in:        Psychology  
                         Sociology

Certificate in Gerontology



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## Degree programs

### School of Health, Kinesiology and Sport Studies

Exercise and Sport Science (Bachelor of Science)

Applied Fitness

Allied Health and Medical

Health Promotion (Bachelor of Science)

Cognate Option

Communication

Fitness

*Accredited by SABPAC*



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## Degree programs

### School of Health, Kinesiology and Sport Studies

Physical Education (Bachelor of Science)

PK-12 Teaching Licensure

*Accredited by NCATE and NASPE*

Recreation and Sport Management

Sport Track

Recreation Track



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## Degree programs

### School of Health, Kinesiology and Sport Studies

Minors in:           Fitness  
                          Health Promotion  
                          Sport Studies

Full-semester Capstone Internships

Physically Active Living Skills Courses

ROTC Curriculum



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## Dual degree programs

### Engineering 3+2 with Clemson University

Biology → Biosystems Engineering

Chemistry → Chemical Engineering  
Ceramics & Materials

Computer Science  
or  
Mathematics → Civil Engineering  
Computer Engineering  
Electrical Engineering  
Industrial Engineering  
Mechanical Engineering  
or  
Physics



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## Where do I get help?

Administrative structure and academic oversight:

University → Provost

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College → Dean

Department → Chair

Course → Faculty



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## Where do I get help?

What text book do I need?

When are the hour exams?

I don't understand this concept

Course issues → speak to faculty



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## Where do I get help?

I have AP credit

What sophomore level course should I take?

What electives will supplement my major?

Curricular issue in Major



→ speak to Chair



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## Where do I get help?

I hate my major – can I switch?

What major will prepare me for X?

I need to waive an academic requirement

Broad College issue



→ speak to Dean/Asst Dean



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## Where do I get help?

Other issues:

I am failing Math → Department & tutoring center

My parents annoy me → Counseling Center

I hate my roommate → Dean of Students

If in doubt on where to go → Departmental or Dean's office  
(and advisor)



# College of Natural and Applied Sciences

## Strategy for success:

The University as an "Intellectual Health Club":

You define your "fitness goal"

(education, maturity, employment)

We provide the "equipment"

(library, classrooms, labs, curricular programs)

We provide the "personal trainers"

(Faculty)

We provide the "training plan"

(curriculum and course schedule)



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## Strategy for success:

Keep in Mind:

Your success in “personal training” depends upon YOUR effort

The achievement of your “Intellectual Fitness Goals” are determined by how YOU utilize the resources

Define your goals; focus on your goals; reach your goals



# College of Natural and Applied Sciences

You CAN succeed  
We WANT you to succeed  
We will HELP you to succeed

Welcome to Coastal Carolina University!