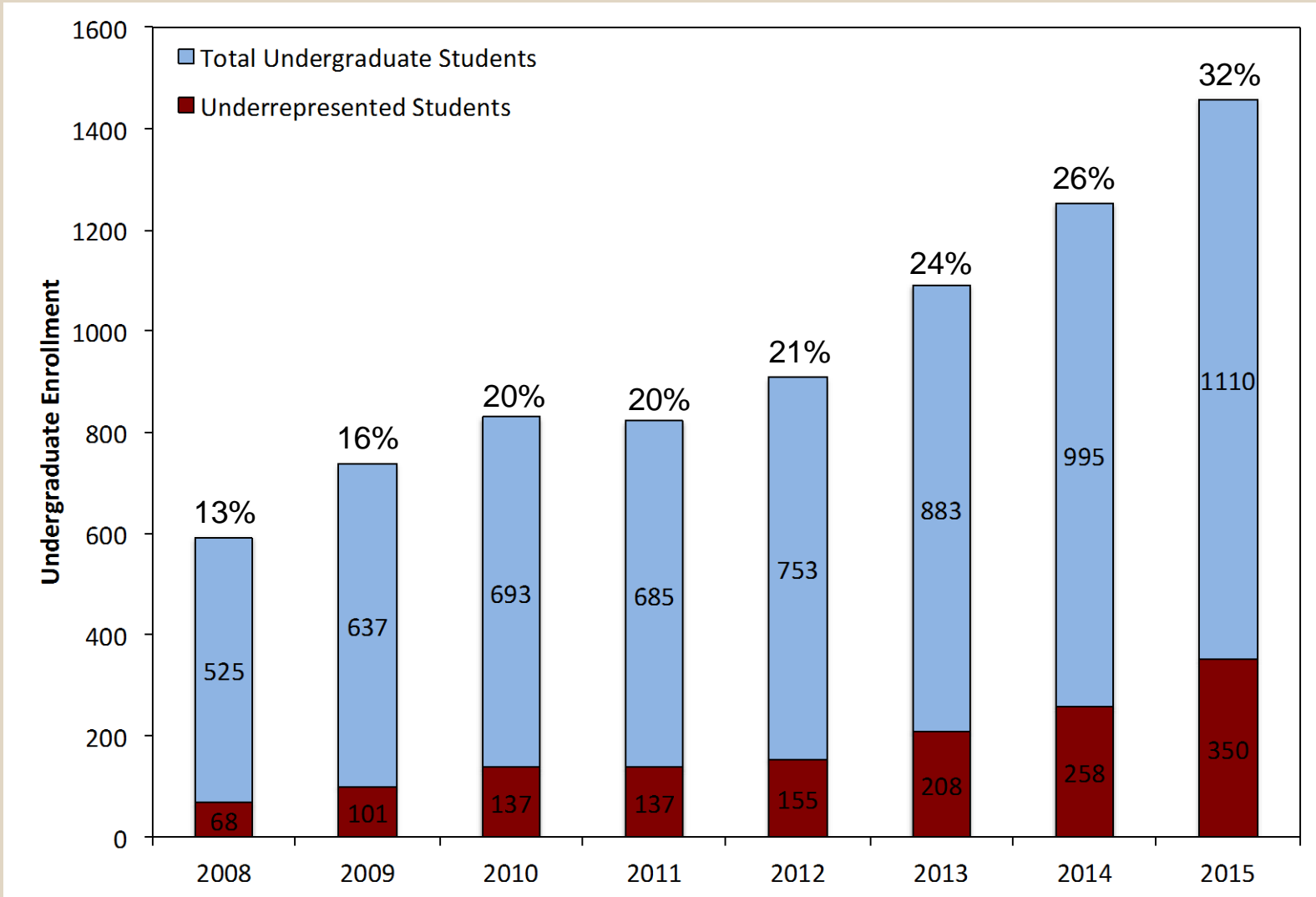
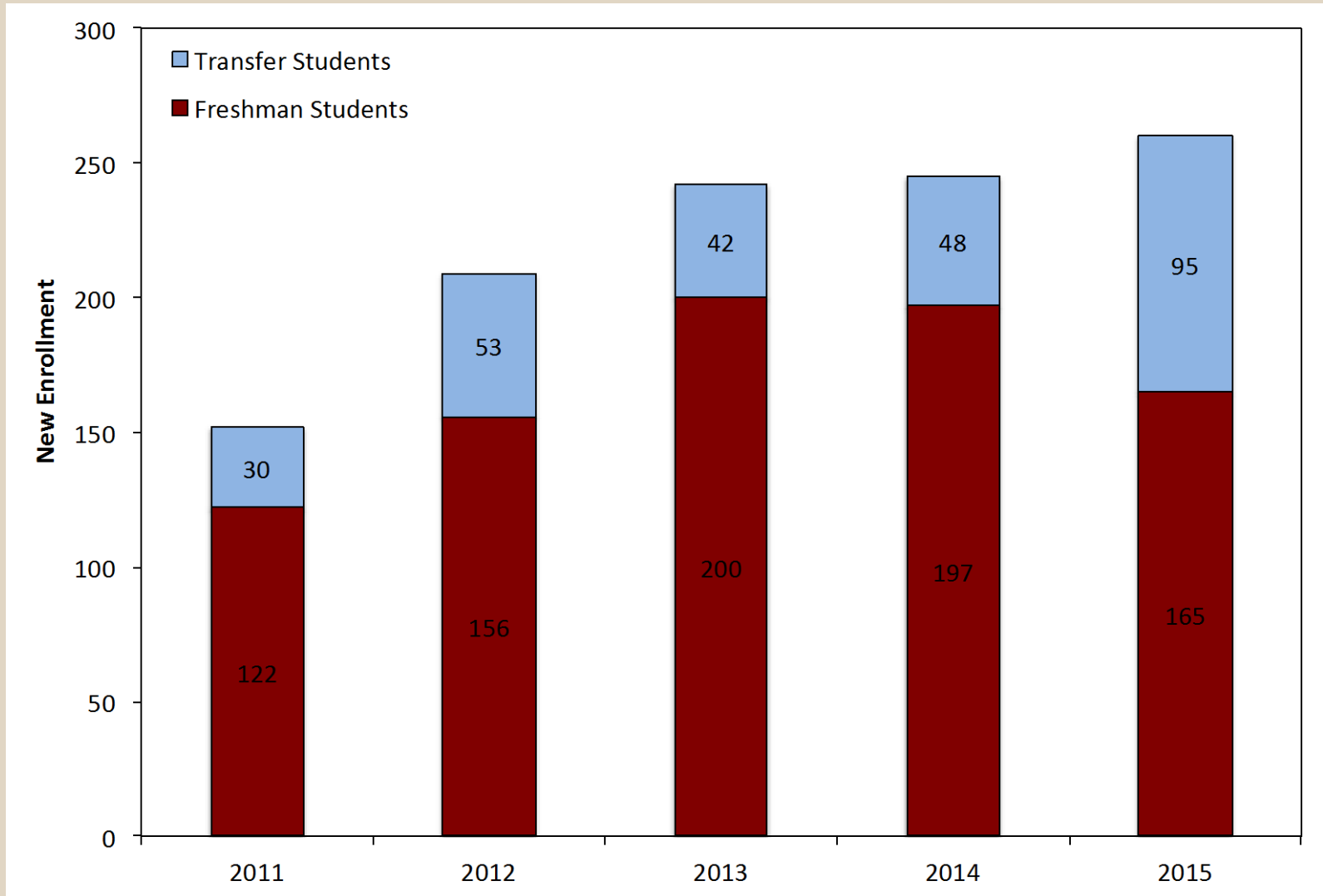


# College of Geosciences

# Enrollment at TAMU



# Enrollment at TAMU



# Pathways Program



## Texas A&M GEOLOGY (BS) starts at Blinn College

The Geology department in the College of Geosciences at Texas A&M welcomes transfer students from Blinn College! The BS in Geology program consists of courses in the energy and environmental industries, and for advanced study at top-ranked graduate programs. The BS is the appropriate degree for students intending to pursue graduate study in geology. Students desiring employment in industry are encouraged to pursue an MS degree. Students planning a research or industry-related career should pursue a PhD degree. The tracks offered within the BS in Geology – Environmental and Petroleum – use predictive admissions of courses to offset the degree. This known plan of study provides current and prospective transfer students with a recommended pathway to completion of the Bachelor of Science (BS) in Geology. For a variety of reasons, many students opt for the transfer path to Texas A&M's College of Geosciences, and that is perfectly fine. It is important to understand how transfer applicants are reviewed for admission; therefore, following this pathway will help put you on your way to Texas A&M – the pathway that started at Blinn!

### How can you be admitted?

#### Automatic

Minimum 3.0 GPA

Successfully completed and/or enrolled in any combination of the following:

- 2 appropriate mathematics courses
- 1 appropriate science course
- 1 geosciences course

Academic Advisor: Suzanne Jester [sjester@blinn.edu](mailto:sjester@blinn.edu)

### SAMPLE SCHEDULE

| SEMESTER 1            | Hrs. |
|-----------------------|------|
| CHRM 1411             | 4    |
| ENGL 1301 (if needed) | 3    |
| GEOG 1405             | 4    |
| MATH 2413             | 4    |
| Total Hours           | 15   |

| SEMESTER 2             | Hrs. |
|------------------------|------|
| CHRM 1412              | 4    |
| GOVT 2305              | 3    |
| MATH 2414              | 4    |
| Communication elective | 3    |
| Total Hours            | 14   |

| SEMESTER 3                                | Hrs. |
|---|------|
| GOVT 1404                                 | 4    |
| Language, philosophy and culture elective | 3    |
| MATH 2415                                 | 3    |
| PHYS 2425                                 | 4    |
| Total Hours                               | 14   |

| SEMESTER 4               | Hrs. |
|--------------------------|------|
| GEOG 502 (or equivalent) | 4    |
| GEOG 500 (or equivalent) | 5    |
| GOVT 2306                | 5    |
| PHYS 2426                | 4    |
| Total Hours              | 14   |

#### Case-by-case

Minimum 2.5 GPA

Successfully completed:

- 2 appropriate mathematics courses
- 1 appropriate science course
- 1 geosciences course

### MILESTONES

| SEMESTER 1 – Be curious         |
|---------------------------------|
| Meet with your advisor          |
| Meet with Career Center advisor |
| Establish a good GPA            |

| SEMESTER 2 – Show initiative                 |
|--|
| Meet with your advisor                       |
| Consult with TAMU advisor for geology        |
| Begin to consider Study Abroad opportunities |

| SEMESTER 3 – Make connections               |
|---|
| Meet with your advisor                      |
| Compose résumé for review                   |
| Join the professional society in your major |
| Register for Aggie Externships              |

| SEMESTER 4 – Aggie's Connect                                   |
|--|
| Meet with your advisor   |
| Meet with a faculty member to formulate undergraduate research |

- Map 2YR CC program to the majors available through the College of Geosciences
- Not a restrictive and binding articulation agreement- covered under the institutional articulation agreement
- Describes admission process and identifies key milestones that all students should meet during time at CC
- Specific to each partner CC

# Pathways Program



**GEOSCIENCES**  
TEXAS A&M UNIVERSITY

## From Blinn College to Texas A&M Pathway to GEOLOGY (BS)

### SAMPLE SCHEDULE

| SEMESTER 5                | Hrs. |
|---------------------------|------|
| GEOL 304                  | 4    |
| GEOL 305                  | 3    |
| American history elective | 3    |
| MATH 306                  | 4    |
| Total Hours               | 14   |

| SEMESTER 6       | Hrs. |
|------------------|------|
| GEOL 306         | 4    |
| GEOL 311         | 3    |
| GEOL 312         | 4    |
| GEOL 431         | 3    |
| General elective | 3    |
| Total Hours      | 15   |

| SUMMER FIELD STUDIES | Hrs. |
|----------------------|------|
| GEOL 306             | 6    |
| Total Hours          | 6    |

| SEMESTER 7             | Hrs. |
|------------------------|------|
| General elective       | 3    |
| Creative arts elective | 3    |
| Geology elective**     | 4    |
| Technical electives**  | 6    |
| Total hours            | 16   |

| SEMESTER 8                              | Hrs. |
|---|------|
| American history elective               | 3    |
| Social and behavioral sciences elective | 3    |
| Technical electives**                   | 6    |
| Total hours                             | 12   |

\*Any approved 400-level geology or geophysics course not already required.

\*\* Any science, math, or engineering course that supports the degree with the approval of the advisor.

#### Employment Information:

The U.S. Bureau of Labor Statistics projects an 18% growth for geoscientists over the next decade.

Representative job titles based on the degree: Geologist, Geoscientist, Earth Scientist, Geophysicist, Marine Geologist, Hydrologist, Oceanographer, Environmental Administrator, Meteorologist.

Representative Employers: Mining Companies, Petroleum Companies, Consulting Firms in Environmental Sciences, Federal/State/Local government.

### MILESTONES

| SEMESTER 5   |
|--|
| Meet with your advisor   |
| Create Career Center profile   |
| Join a service organization or two   |
| Connect with at least one faculty mentor to serve as mentor                                  |
| Register for workshop through Money Wise Aggies. Recommended: Credit Cards and Credit Scores |

| SEMESTER 6   |
|--|
| Meet with your advisor   |
| Create Career Center profile   |
| Join a service organization or two   |
| Connect with at least one faculty mentor to serve as mentor                                  |
| Register for workshop through Money Wise Aggies. Recommended: Credit Cards and Credit Scores |

| SEMESTER 7  |
|---|
| Complete a Pre-Graduation Check   |
| Register for workshop through Money Wise Aggies. Recommended: I'm Graduating, Now What? |
| Apply for your Aggie Ring   |

| SEMESTER 8              |
|-------------------------|
| Register for graduation |

- Degree plan for major at Texas A&M University on the back
- Lists key milestones to complete at A&M including high impact experiences such as study abroad, undergraduate research, etc.
- Pathway developed collaboratively with advisors and faculty from the partner 2YR CC



# Pathways Program



**Texas A&M GEOLOGY (BS) starts at Blinn College**

The geology program is the only one of its kind in the state and is one of the most challenging in the world. The program is designed to provide students with the knowledge and skills necessary to succeed in the geology profession. The program is designed to provide students with the knowledge and skills necessary to succeed in the geology profession. The program is designed to provide students with the knowledge and skills necessary to succeed in the geology profession.

**How our path is different**

**Advantages:**

- Blinn College is a public institution
- Blinn College is a public institution
- Blinn College is a public institution

**Challenges:**

- Blinn College is a public institution
- Blinn College is a public institution
- Blinn College is a public institution

**From Blinn College to Texas A&M Pathway to GEOLOGY (BS)**

**SAMPLE SCHEDULE**

| Semester   | Hours |
|------------|-------|
| Semester 1 | 15    |
| Semester 2 | 15    |
| Semester 3 | 15    |
| Semester 4 | 15    |

**MILESTONES**

- Semester 1:**
  - Complete GEOL 1411
  - Complete GEOL 1412
  - Complete GEOL 1413
  - Complete GEOL 1414
- Semester 2:**
  - Complete GEOL 2411
  - Complete GEOL 2412
  - Complete GEOL 2413
  - Complete GEOL 2414
- Semester 3:**
  - Complete GEOL 3411
  - Complete GEOL 3412
  - Complete GEOL 3413
  - Complete GEOL 3414
- Semester 4:**
  - Complete GEOL 4411
  - Complete GEOL 4412
  - Complete GEOL 4413
  - Complete GEOL 4414

## Partner Institutions

Blinn College  
 San Jacinto College  
 Lee College  
 Lone Star College\*  
 Houston Community College  
 Brookhaven Community College  
 Engineering Academies

Just created a Geosciences Advising Center based on the TAMU Pathways

# Pathways Program



**Texas A&M GEOLOGY (BS) starts at Blinn College**

The Geology Department at Blinn College is proud to announce a new partnership with Texas A&M University. This partnership allows students to earn credit for the first two years of a Bachelor's degree in Geology at Blinn College, while completing the remaining two years at Texas A&M University. This pathway provides a clear and structured route to a degree in Geology, reducing the time and cost of a four-year degree. Students can complete their first two years at Blinn College, then transfer to Texas A&M University to complete their final two years of study. This pathway is designed to be flexible, allowing students to complete their degree in as little as four years. For more information, visit [www.blinn.edu/geology](http://www.blinn.edu/geology).

**From Blinn College to Texas A&M Pathway to GEOLOGY (BS)**

**SAMPLE SCHEDULE**

| Semester          | Credits   |
|-------------------|-----------|
| <b>SEMESTER 1</b> | <b>15</b> |
| GEOL 101          | 4         |
| GEOL 102          | 4         |
| GEOL 103          | 5         |
| General education | 2         |
| Total Hours       | 15        |
| <b>SEMESTER 2</b> | <b>15</b> |
| GEOL 201          | 4         |
| GEOL 202          | 4         |
| GEOL 203          | 5         |
| General education | 2         |
| Total Hours       | 15        |
| <b>SEMESTER 3</b> | <b>16</b> |
| GEOL 301          | 4         |
| GEOL 302          | 4         |
| GEOL 303          | 5         |
| General education | 3         |
| Total Hours       | 16        |
| <b>SEMESTER 4</b> | <b>16</b> |
| GEOL 401          | 4         |
| GEOL 402          | 4         |
| GEOL 403          | 5         |
| General education | 3         |
| Total Hours       | 16        |

**MILESTONES**

- SEMESTER 1:**
  - Meet with your advisor
  - Locate Blinn College books
  - Join a geology club or organization
  - Complete your first two years of study at Blinn College
  - Register for workshop through Blinn-Wish Agency Recommendation: Credit Transfer and Credit Search
- SEMESTER 2:**
  - Meet with your advisor
  - Complete your first two years of study at Blinn College
  - Join a geology organization or club
  - Complete your first two years of study at Blinn College
  - Register for workshop through Blinn-Wish Agency Recommendation: Credit Transfer and Credit Search
- SEMESTER 3:**
  - Complete a two-semester course
  - Register for workshop through Blinn-Wish Agency Recommendation: Credit Transfer and Credit Search
  - Apply for your degree plan
- SEMESTER 4:**
  - Register for workshop through Blinn-Wish Agency Recommendation: Credit Transfer and Credit Search
  - Apply for your degree plan

**REQUIREMENTS:**

- Minimum GPA: 2.0
- Minimum credit hours: 60
- Minimum grade point average: 2.0
- Minimum number of courses: 12
- Minimum number of credits: 16

**EMPLOYMENT OPPORTUNITIES:**

The U.S. Bureau of Labor Statistics projects a 15% growth in geologists and geophysicists through 2024.

**ADDITIONAL INFORMATION:**

For more information, visit [www.blinn.edu/geology](http://www.blinn.edu/geology).

Guided pathways that provides direction without restricting options- allows students to see connections between courses and their career goals

Identifies key academic and personal milestones that help students progress towards their end goal of graduation and career placement

Reduces mistakes made by 2YR CC students by providing a clear pathway- reduces the number of excess credits

Conversation with the faculty and advisors at the partner institutions rather than an agreement

# High School Pathway



**GEOSCIENCES**  
TEXAS A&M UNIVERSITY

## Pathway to METEOROLOGY

What is Geoscience? The four departments (Atmospheric Sciences, Geography, Geology and Geophysics, Oceanography) and two programs (Environmental Programs, Water Management and Hydrological Sciences) study the atmosphere, the environment, people, the land and the ocean using math, physics and chemistry. In geoscience, you will reconstruct the past, learn about the present, and predict the future. The College of Geosciences provides its students with international and field opportunities, undergraduate research experiences, communication skills development, internships, and career development.

Atmospheric sciences and meteorologies study the physics and chemistry of the atmosphere. Scientists use knowledge about the atmosphere to predict weather, perform long-range forecasting, apply numerical modeling, evaluate climate change and monitor air quality. The discipline also includes remote sensing and environmental studies. Cross disciplinary approaches closely connect it to oceanography and hydrology. Undergraduates in the department have opportunities to participate in research projects that contribute to regional, national and international programs. The discipline requires heavy concentrations in physics and advanced mathematics, and students must be well grounded in both.

This 8-semester plan of study provides current and prospective students with a recommended pathway to completion of the Bachelor of Science (B.S.) in Meteorology.

### SAMPLE SCHEDULE

| SEMESTER 1  | Hrs. |
|-------------|------|
| ATMO 201    | 3    |
| CHEM 101    | 3    |
| CHEM 111    | 1    |
| ENGL 104    | 3    |
| MATH 171    | 4    |
| Total Hours | 14   |

| SEMESTER 1                      |
|---------------------------------|
| Complete CHEM 101 w/B or better |
| Complete CHEM 111 w/B or better |
| Complete MATH 171 w/C or better |

| SEMESTER 2                                 | Hrs. |
|--|------|
| ATMO 202                                   | 1    |
| CHEM 102                                   | 3    |
| CHEM 112                                   | 1    |
| MATH 172                                   | 4    |
| PHYS 218                                   | 4    |
| U.S. History or Political Science elective | 3    |
| Total Hours                                | 16   |

| SEMESTER 2                          |
|-------------------------------------|
| Complete CHEM 102 w/B or better     |
| Complete CHEM 112 w/B or better     |
| Complete MATH 172 w/C or better     |
| Complete PHYS 218 w/B or better     |
| Complete a degree plan by September |

| SEMESTER 3                                 | Hrs. |
|--|------|
| ATMO 251                                   | 3    |
| ATMO 363                                   | 3    |
| MATH 251                                   | 3    |
| ATMO 321 or computer science elective      | 3    |
| U.S. History or Political Science elective | 3    |
| Total Hours                                | 15   |

| SEMESTER 3                             |
|--|
| Complete MATH 251 w/C or better        |
| Discuss possible minor(s) with advisor |

| SEMESTER 4                                 | Hrs. |
|--|------|
| ATMO 324                                   | 3    |
| MATH 308                                   | 3    |
| PHYS 208                                   | 4    |
| U.S. History or Political Science elective | 3    |
| General elective                           | 3    |
| Total Hours                                | 16   |

| SEMESTER 4                                       |
|--|
| Complete MATH 308 w/C or better                  |
| Meet with your advisor to complete a degree plan |
| Apply for summer internships                     |

### MILESTONES

Using Pathways in high school to provide:

**Top 10%**

Information about the degree plan and milestones

**Not Top 10%**

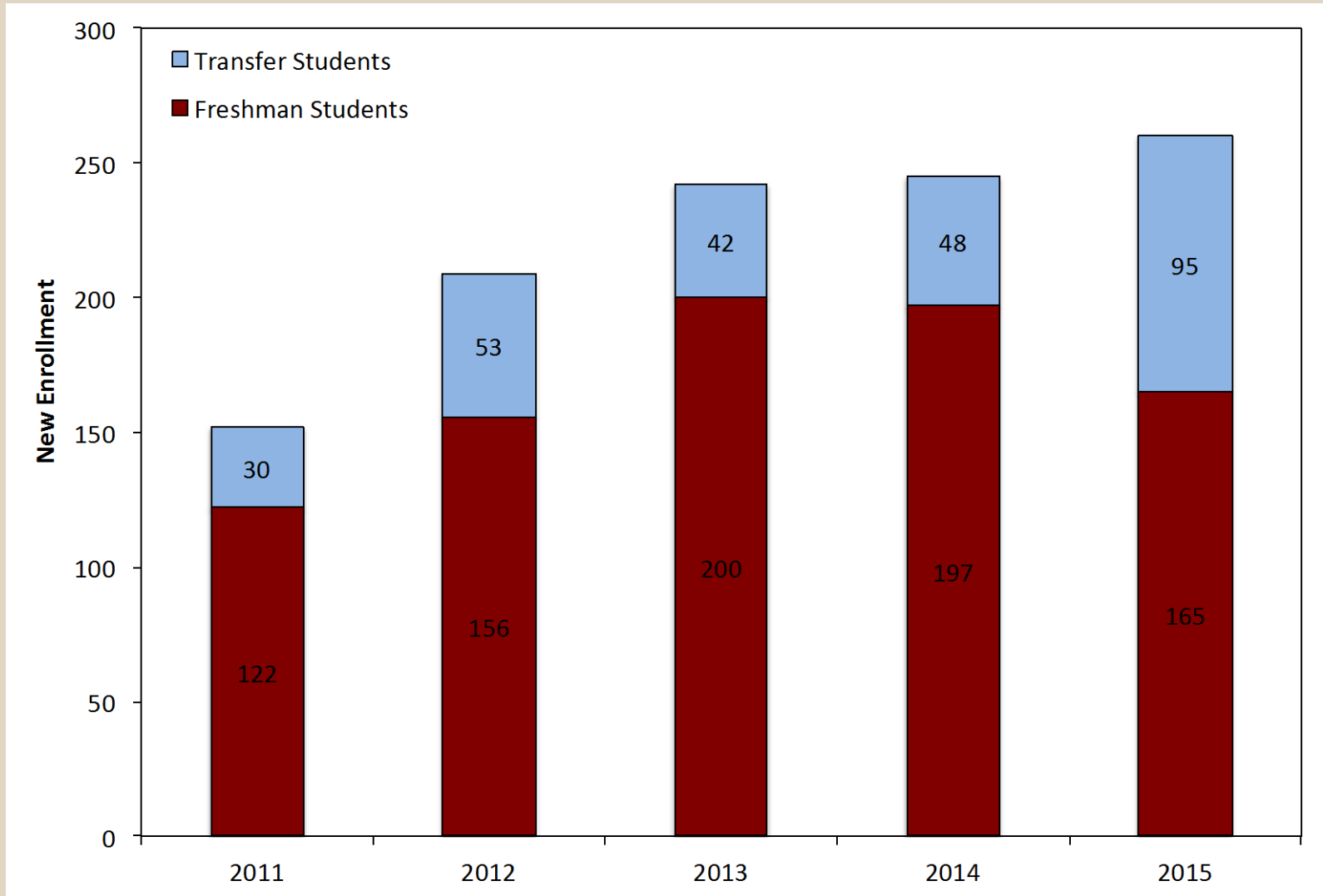
Pathway to TAMU Geosciences through 2YR CC

**All Students**

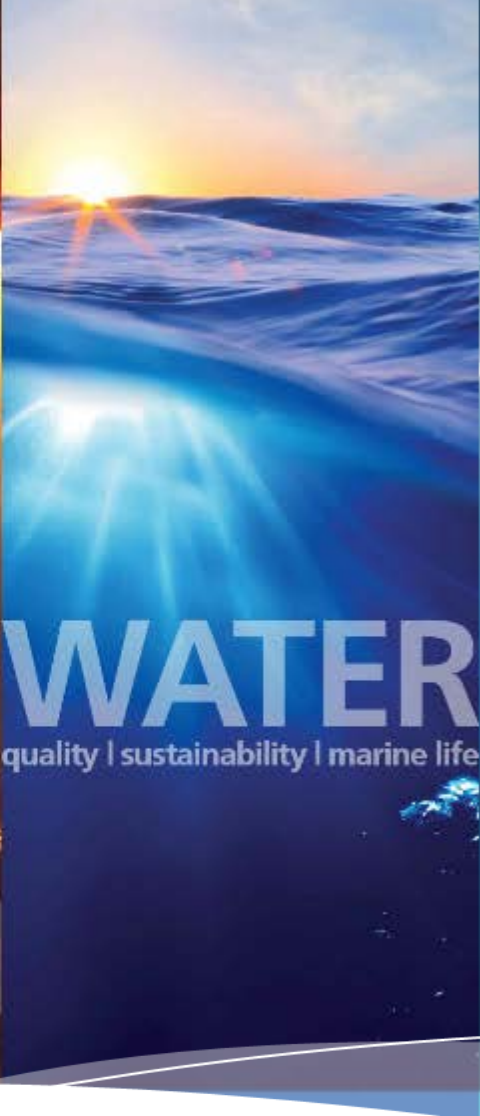
AP Classes that count towards degree  
Information about career opportunities



# Enrollment at TAMU



- Assessment of courses that lead to attrition of underrepresented students:
  - MATH, PHYS, CHEM and GEOL
- **GAP- Geosciences Academic Preparation Bridge Program**
  - 3 day bridge program
  - Help students in their transition from college through hands-on lectures and workshops by faculty
  - Focus: How to be successful in MATH, PHYS, CHEM and GEOL
  - introduction to campus resources including Writing Center and Academic Success Center
- **GeT- Geosciences Tutors**
  - Free tutoring for students struggling with MATH, PHYS, CHEM and GEOL
- **Medallion Scholars**
  - Incentive program to increase participation in high impact experiences and recognize those who have to work, support a family, etc.
- **Scholarships for participating in High Impact Programs**



# College of Geosciences