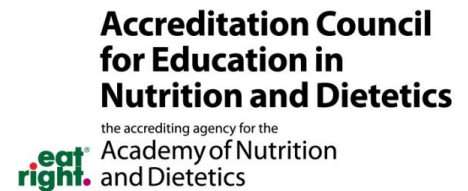

ACEND Virtual Town Hall Meeting
November 16, 2021, 11:00 a.m. Central Time

Host: Barbara Hopkins, MMSc, RD, LD
ACEND Past Chair
Presenters: Tim Renick, PhD, Senior Vice President of
Student Success and Ben Brandon, Senior Director of
Student Success, Georgia State University



Webinar Recording Link

<https://vimeo.com/736183115>

Introduction/Announcements: Barbara Hopkins welcomed all in attendance.

Barb indicated the objectives for the virtual Town Hall:

- Provide ACEND update and announcements
- Understand the hidden obstacles faced by lower-income, first-generation and under-represented minority students
- Discuss the use of predictive analytics in determining student success
- Identify opportunities to enhance diversity and close the equity gaps in recruitment and retention
- Answer questions

Barb began with updates from ACEND. The 2022 Standards were released on September 1, 2021 and the reformatted Future Education Model (FEM) Standards were on November 1, 2021. Both sets of standards have the same set date for adoption of June 1, 2022. Based on program directors' request, the ACEND audit was delayed until December, 2023.

Applications for Cohort 6 FEM demonstration programs are due on Monday, December 6, 2021. ACEND is accepting applications only for Future Graduate (FG) and Future Associate (FA) programs. At its October 2021 meeting, the ACEND Board voted to accept FEM eligibility applications from programs for review on a rolling basis instead of through cohorts. Therefore, after December 6, 2021, programs are invited to submit Eligibility Applications for FEM Demonstration Programs anytime throughout the year.

Barb indicated that, during its August 6, 2021 meeting, the Commission on Dietetic Registration (CDR) approved ACEND's request that fall term graduates who have completed their baccalaureate degree, DPD and supervised practice requirements by, or before, December 31, 2023 be processed for registration eligibility, even though CDR may not receive a final, official transcript until January 2024. Details on the procedure to follow can be found in the October 2021 ACEND Update.

ACEND has received many inquiries from international students who would like to complete their nutrition and dietetics education in the US. These inquiries have increased significantly for the past year with more than a dozen inquiries each week. International students can help increase the diversity of programs while at the same time alleviate the declining enrollments. ACEND has posted on its website a recording to provide program directors with information on evaluating international students from FDE (Foreign Dietitian Education) and non-ACEND accredited programs. The recording is posted on the ACEND website under program director FAQs.

ACEND Town Hall – November 2021

ACEND was asked to include information about which Dietetic internships are requiring a graduate degree for admission. This has been added to the ACEND annual report under “other requirements” on the Admissions Information page. The program has the option to select “Graduate Degree upon admission” as a requirement. Barb urged all DI programs that have set the graduate degree as a requirement to check this box. The information will be added to the ACEND website after the next software release; possibly sometime in 2022.

ACEND published the schedule that the ACEND Board follows for program accreditation decisions. The schedule is posted on the ACEND website under Accreditation Standards, Fees and Policies. On that page are two calendars: one for the site visits and a second calendar for the substantive changes and reorganization reports. Barb reminded participants that the accreditation decision letter is emailed to programs two weeks after the Board meeting. Programs should make sure to check these calendars to be aware when they will hear back from ACEND and to plan ahead or plan backwards from these dates to decide when to submit their reports. For Spring 2022 only, reorganization reports and candidacy programs will still be reviewed during the monthly Board calls because these programs were on the schedule prior to the development of the Decision Calendar.

In Spring 2022, the ACEND Technology Committee will begin investigating adopting a competency assessment software to support ACEND programs’ assessment of the 2022 knowledge and competencies and FEM competencies and performance indicators. Barb said ACEND hopes to have a decision on which software to adopt in Fall 2022 and begin adoption of this software in 2023. The software will be optional for programs to use but many programs that plan to adopt a software tool may want to consider waiting until ACEND’s software is available.

Also, ACEND is seeking a doctoral-prepared, RDN to serve as a fellow. Through the Foundation’s fellowship program, this fellow will serve as the lead for the Foundation’s “Advancing the Practice in Nutrition and Dietetics: Doctoral Standards” fellowship. The one-year, full-time fellowship begins on or around Monday, January 10, 2022. The application and full position description is on the Academy Foundation website under Apply for Funding; select “fellowship”. Applications are due by 3:00 pm CT on Monday, November 22, 2021.

ACEND has continued to identify Noteworthy Nutrition and Dietetics Education Practices in the area of Diversity, Equity, and Inclusion. Programs are strongly encouraged to submit their noteworthy practice to ACEND in the areas of Holistic admissions, recruitment and admission practices that encourage diversity, training activities for faculty and/or preceptors, and other activities that promote DEI. Programs who have been selected will receive an honorary mention on the ACEND website . The next submission due date is January 14, 2022. For more information on due dates and submission criteria please visit the ACEND website <https://www.eatrightpro.org/acend/about-acend/diversity-equity-and-inclusion>

Barb shared that the Town Hall webinar has been approved for 1.5 continuing professional education units. It is the third in a series of Diversity, Equity and Inclusion webinars provided by ACEND. These webinars are recorded and posted on the ACEND DEI webpage <https://www.eatrightpro.org/acend/about-acend/diversity-equity-and-inclusion>

Barb then introduced Timothy Renick, PhD, Senior Vice President of Student Success and Benjamin Brandon, Senior Director of Student Success from Georgia State University (GSU). Their presentation is titled “Closing the Equity Gaps in Higher Education: Leveling the Playing Field for All Students”. The presentation is the story of how GSU used predictive analytics to exponentially raise its graduation rates, particularly among students from underserved backgrounds.

The presentation slides are included after these minutes.

Following the presentation at 12:00pm CT (59:50 minutes into session) Barb thanked Dr. Renick and Mr. Brandon and opened the Town Hall to questions in the chat. These are included below and please listen to the recording provided to hear the answers from both Dr. Renick and Mr. Brandon.

(59:55) Please share advising model used throughout a students' academic career.

(1:02:58) Can this be done at a program level and how expensive would be it for a program to do this?

(1:05:06) After addressing how Georgia State's SAT scores have declined in recent years, Dr. Renick mentioned how other factors are being considered as better predictors of student success. Can Dr. Renick please address these 'other' factors with their admissions decisions and how to evaluate them objectively?

(1:10:23) I'd love to know how to help students with the chemistry prerequisites. We lose students in those courses.

(1:12:56) My questions are on the impact on faculty. What impact has these programs have had on faculty? Diversity? Salary? Work load? Did you need to do training or info sessions for faculty? Are they compensated with increased release time? Changes in recruitment, retention, tenure?

(1:19:07) Any suggestions as how to attract more diverse students to major

(1:24:12) How many of the diverse students in Georgia State go on for graduate degrees?

The next Town Hall is scheduled for Tuesday, January 18, 2022, 11 am -12 pm CT.

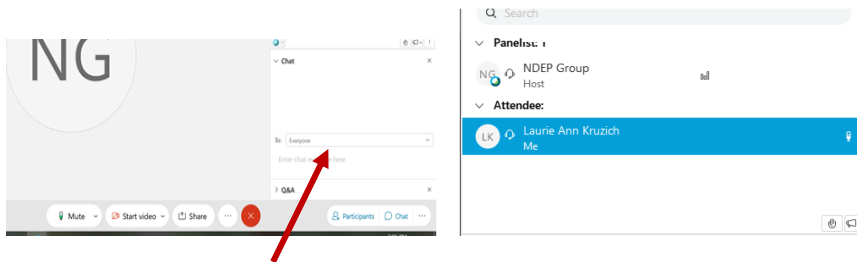
Barb thanked everyone (165 participants) for their discussion on the Town Hall. The call ended at 12:28pm CT.

Welcome to the ACEND Virtual Town Hall!

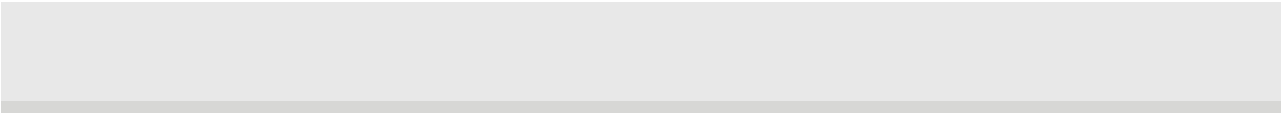
We Will Begin Shortly



- Lines have been muted



- If you have questions or comments, **Use the chat feature** and post a chat to EVERYONE



Welcome to the ACEND Virtual Town Hall



©ACEND 2019



Barbara Hopkins,
MMSc, RD, LD

ACEND Past Chair



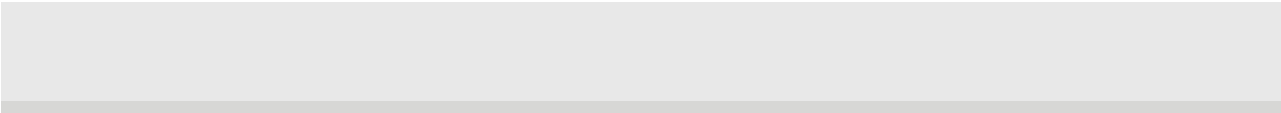
Objectives

**Accreditation Council
for Education in
Nutrition and Dietetics**
the accrediting agency for the
Academy of Nutrition
and Dietetics



- Provide ACEND update and announcements
- Understand the hidden obstacles faced by lower-income, first-generation and under-represented minority students
- Discuss the use of predictive analytics in determining student success
- Identify opportunities to enhance diversity and close the equity gaps in recruitment and retention
- Answer questions

©ACEND 2021



ACEND Updates and Announcements



©ACEND 2019

ACEND Accreditation Standards




| 2022 Standards | FEM Standards |
|--|---|
| <ul style="list-style-type: none"> Released September 1, 2022 | <ul style="list-style-type: none"> Released November 1, 2022 |
| <p>Adoption date: June 1, 2022 ACEND audit: December 2023</p> | |

Accreditation Standards, Fees and Policies

Standard policies and procedures for the candidacy and full accreditation of nutrition and dietetics education programs.

- Policy and Procedures • Fee Schedule
- Decision Calendars
- 2017 Standards and Templates
- 2022 Standards and Templates
- Future Education Model



©ACEND 2021

FEM Standards Demonstration Programs

Accepting Applications for FG and FA Programs



Cohort 6

Applications due Monday Dec 6, 2021

Posted on the ACEND website:
<https://www.eatrightpro.org/futuremodel>

©ACEND 2021

Rolling Eligibility for FEM Applications



- ACEND Board voted to accept *FEM* eligibility applications on a rolling basis instead of in cohorts
- After December 6, 2021, programs are invited to submit Eligibility Applications for FEM Demonstration Programs at **any time throughout the year.**

Processing Candidates Verified by December 31, 2023 for Registration Eligibility –

New CDR Decision



During its August 6, 2021 meeting, CDR approved ACEND’s request that fall term graduates who have completed their baccalaureate degrees, DPD and supervised practice requirements by or before December 31, 2023 be processed for registration eligibility, even though CDR may not receive a final, official transcript until January 2024.



Public Notices and Announcements

ACEND® adheres to principles of transparency and regularly posts information regarding accreditation processes, policies, standards and requirements.

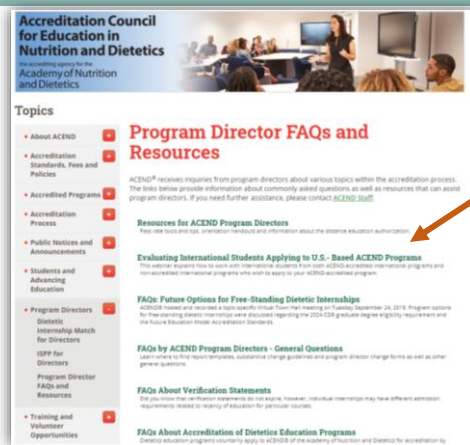
- ACEND Update
- Noteworthy Practices
- Filing a Complaint
- Accreditation Decisions
- ACEND Standards News
- Programs Under Review
- Virtual Town Hall Meetings

Access October 2021 ACEND Update for details

International Students - Recording



- **How to evaluate international students**
 - Recording posted on the ACEND website



Tracking DIs with Master's Admission Requirement

- ACEND's Annual Report
- DIs that require a graduate degree for admission should check this box

Admissions Information

Please provide details for all that are considered in selecting applicants. Enter your program application fee. If your program does not charge an application fee, please enter \$0.00. Number of applications should include all entry points.

Total number of applications received for admission in this academic year

Admission requirements

Application fee

Minimum GPA

Graduate work (enter number of credits)

Is the program approved to have ISPP?

Yes

No

Other requirements

Graduate Degree upon admission

Work Experience

Recency of Education

Graduate Record Examination



©ACEND 2021

NEW! ACEND Decision Calendar

- ACEND's schedule for program accreditation decisions

Accreditation Standards, Fees and Policies

Standards, policies and procedures for the candidacy and full accreditation of nutrition and dietetics education programs.

- Policy and Procedures
- Fee Schedule
- Decision Calendars
- 2017 Standards and Templates
- 2022 Standards and Templates
- Future Education Model



ACEND Decision Calendars

Site Visits

| Site Visit Occurs During: | Program will be reviewed at the following Board Meeting: |
|---------------------------|--|
| January - March | October |
| April - June | January |
| July - October | April |
| November - December | July |

Substantive Changes and Reorganization Reports

Refer to the substantive change guidelines document to identify which program changes require Board approval.

| Substantive Change Received by ACEND between: | Substantive Change will be reviewed at the following Board Meeting: |
|---|---|
| January 1 - March 31 | July |
| April 1 - June 30 | October |
| July 1 - September 30 | January |
| October 1 - December 31 | April |

example



Core Knowledge/Competencies/Performance Indicators

DISCOVERY



SCORING



GROUPING



Adapted from: ScienceSoft scnsoft.com

Competency Assessment Software

- In Spring 2022, ACEND will begin investigating adopting a competency assessment software to support ACEND programs' assessment of the 2022 knowledge/competencies and FEM competencies and performance indicators.
- Decision and adoption by 2022-2023, if possible

©ACEND 2021

right. and Dietetics
Foundation

On Foundation Website

About the Foundation ▾ Get Involved ▾ Resources ▾ Apply for Funding ▾ Recipient Stories ▾ **DONATE**

Awards
Scholarships
Grants
Fellowships
Disaster Relief

Through philanthropy, empower current and future food and nutrition practitioners to optimize global health.

Spread the Word!

Advancing the
Practice in
Nutrition and
Dietetics
Fellowship:
Doctoral Standards

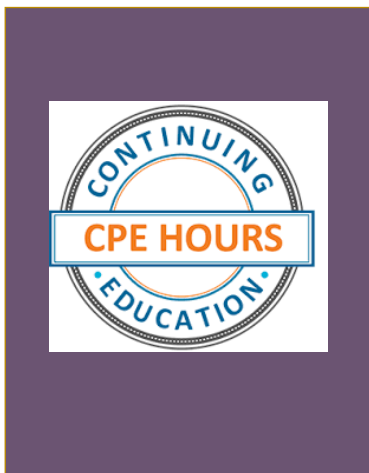
ACEND is seeking a doctoral-prepared, RDN to serve as a fellow.

Objectives:

- Advanced practice doctorate Standards
- Clinical skills workshop
- Support FEM data and CBE

Applications due by 3:00 pm CT **Monday, November 22, 2021**

<https://eatrightfoundation.secure-platform.com/a/organizations/main/home>



1.5 CPEUs for this Webinar



Attendees access the survey link to complete a short evaluation



Handout of slides and CPEU certificate provided via email

Georgia State University

Timothy Renick
Senior Vice President of
Student Success

Benjamin Brandon
Senior Director of
Student Success



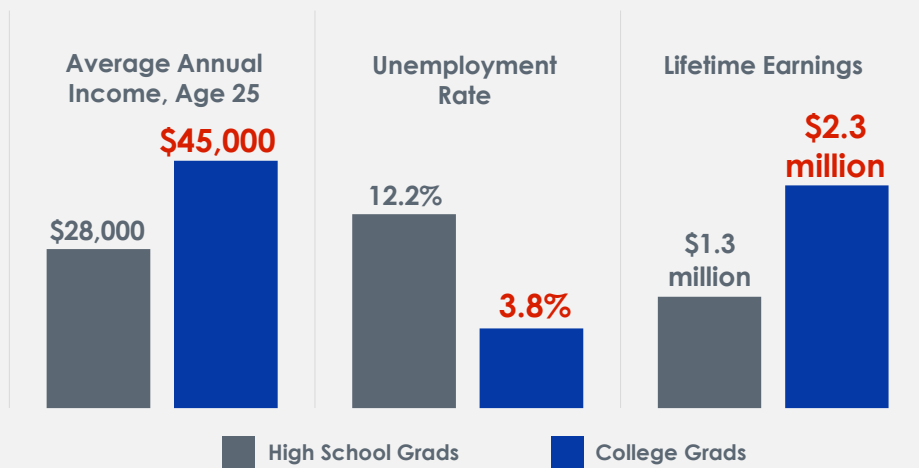
ACEND Townhall
November 16, 2021

Closing Equity Gaps in Higher Education: Leveling the Playing Field for All Students

Timothy M. Renick, Ph.D.
Executive Director, National Institute for Student Success
Ben Brandon, Sr. Director, Student Success Analytics

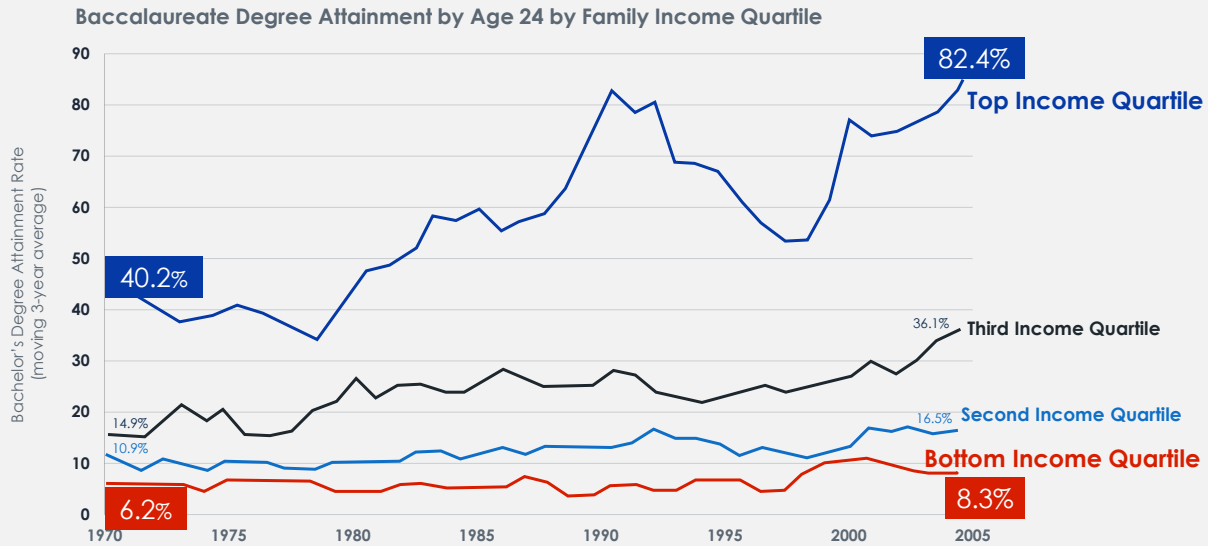


The Benefits of a College Degree



Source: "The Rising Costs of Not Going to College," Pew Research Center, 2014

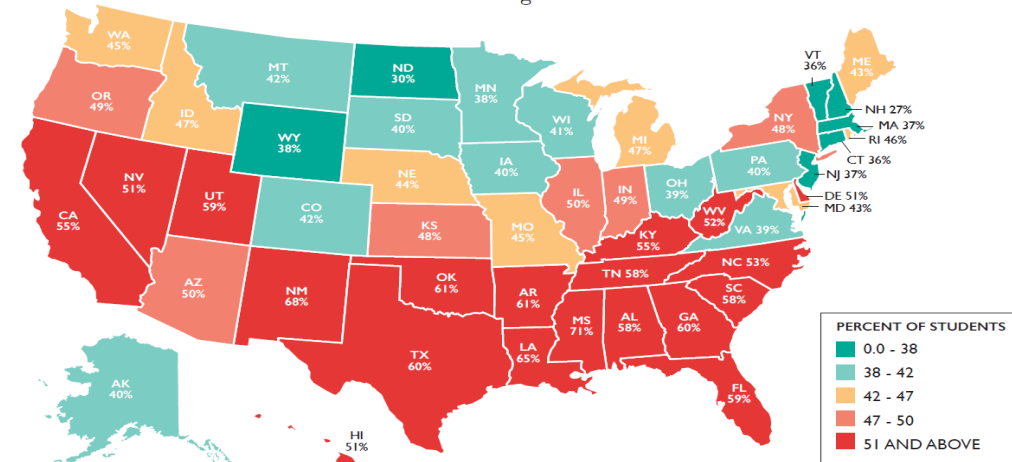
The Challenge in Front of Us



Source: New York Times, "The Reproduction of Privilege," March 12, 2012

Changing Demographics

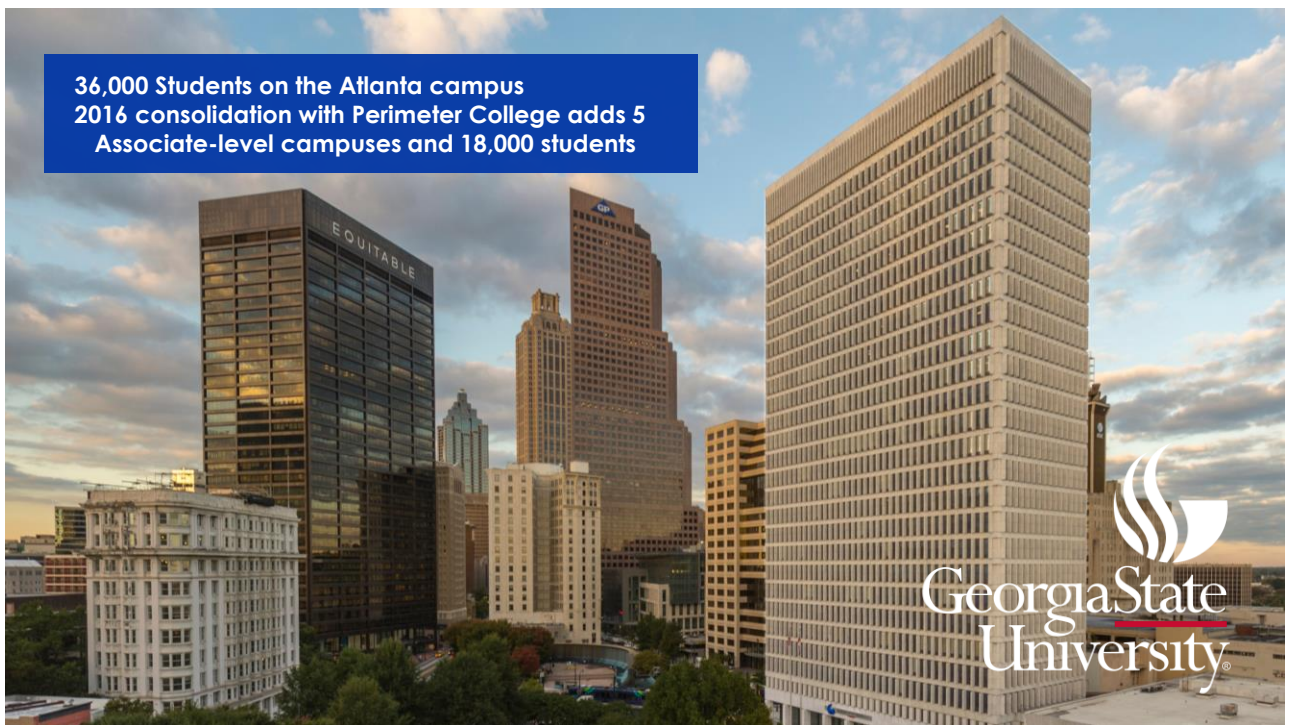
PERCENT OF LOW INCOME STUDENTS IN U.S. PUBLIC SCHOOLS 2013
National Average: 51%



SOUTHERN EDUCATION FOUNDATION | SOUTHERNEDUCATION.ORG

Data Source: U.S. Department of Education, National Center for Education Statistics, Common Core of Data

36,000 Students on the Atlanta campus
2016 consolidation with Perimeter College adds 5
Associate-level campuses and 18,000 students

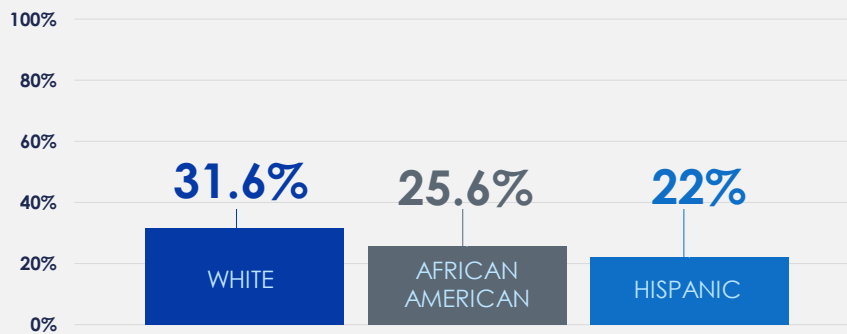




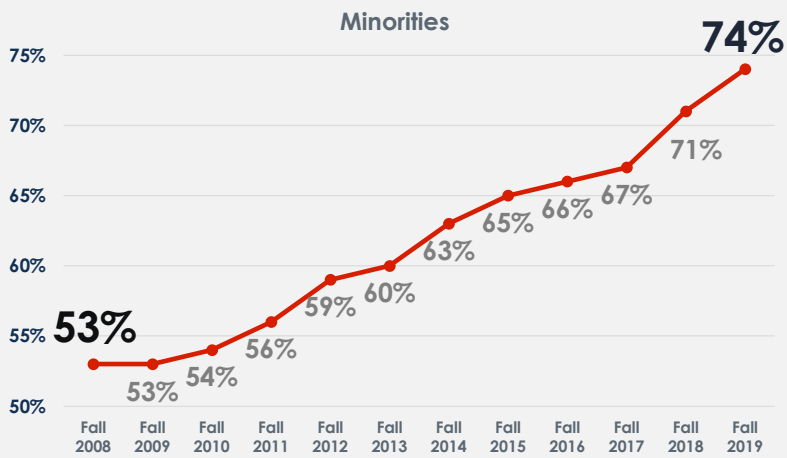


Graduation Rates by Race & Ethnicity

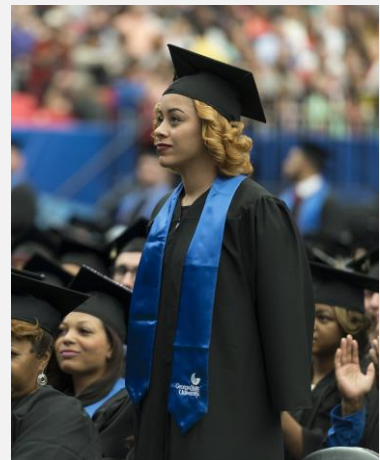
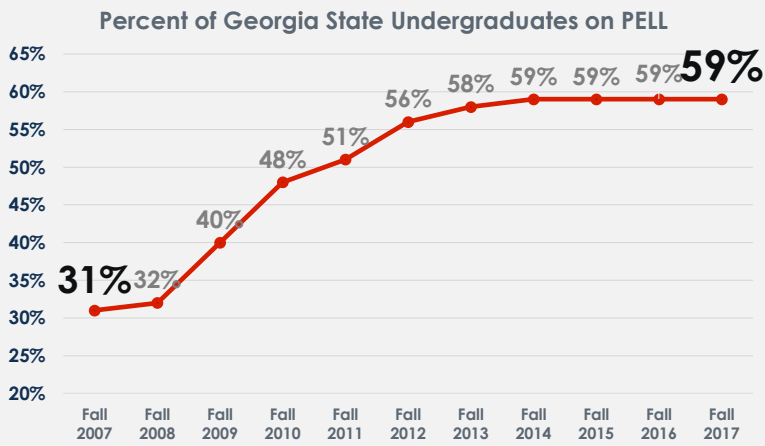
Where we were: 2003



Changing Demographics: Race & Ethnicity



Low-Income Students









19%

Percent of Confirmed Freshmen Who Did Not Enroll
Summer 2015

Summer Melt



Fall 2015

**Confirmed GSU Freshman Who
Never Attended Any College: 278**

Non-white 76%

First Generation 45%

Low Income 71%

Avg. High School GPA 3.34

The Hidden Obstacles to Enrollment

- Federal Financial Aid Application
- Verification Request
- State of Georgia Immunization Proof
- Taking Placement Exams
- Registering for Classes



Portal to Guide Students Through Next Steps

[My Path](#)
[My Plan](#)
[My Profile](#)

All Items

This...
Week
Month
Term

This Week

- Resource
 Connect with campus resources that matter most to you.
- Resource
 Explore services designed specifically for first-generation students.
- To Do
 Meet with an academic advisor before your first term
- To Do
 Take and review your Assessment Examination
- To Do
 Pick your courses and schedule your first term
- Appointment
 Open House: Campus Day Care

Which resources matter most to you?

- Select any of our student services that interest you, and we'll add appropriate information to your path.

A Few Recommendations:

| | |
|--|--|
| <ul style="list-style-type: none"> <li style="margin-bottom: 10px;"> <input checked="" type="checkbox"/> Child Care On campus and nearby child care options to help while you are in class. <li style="margin-bottom: 10px;"> <input type="checkbox"/> Commuting Services Learn the different ways you can get to and from campus. | <ul style="list-style-type: none"> <li style="margin-bottom: 10px;"> <input checked="" type="checkbox"/> First Generation to Attend College Resources to help new students learn the ropes and lingo of college. <li style="margin-bottom: 10px;"> <input type="checkbox"/> Student Technologies Get help with all apps, gadgets, and sites that can enhance your campus experience. |
|--|--|

All Student Services:

| | |
|---|---|
| <ul style="list-style-type: none"> <li style="margin-bottom: 10px;"> <input type="checkbox"/> Tutoring & Academic Support A great resource for help outside the classroom for your work inside the classroom. <li style="margin-bottom: 10px;"> <input type="checkbox"/> Career Guidance Helping you find the right career path and prepare you for the job market. It's never too early to start! <li style="margin-bottom: 10px;"> <input type="checkbox"/> Mentorships Helping you connect with experience students who can help guide your way. | <ul style="list-style-type: none"> <li style="margin-bottom: 10px;"> <input type="checkbox"/> Housing Services Resources to help you find a place to stay near campus. <li style="margin-bottom: 10px;"> <input type="checkbox"/> Clubs and Activities Grow and have fun! Get involved in one of our many on-campus activities. <li style="margin-bottom: 10px;"> <input type="checkbox"/> Disability Services Providing support and equipment to qualified students with physical, mental, or educational needs. |
|---|---|

A.I.-enhanced Chatbot: 24/7 Help



Which parent do I use on the FAFSA?
Jan 19 2017 6:38:13 PM

For info on which parent's information to use on the FAFSA, reply with the option that best describes your parents' marital status: Never Married Unmarried and both parents living together Married Remarried Divorced/Separated Widowed If none of these options are applicable, check out 1.usa.gov/1OgfTcg

Undo ✓ Approved by AdmitHub AI

Divorced
Jan 19 2017 6:38:40 PM

If your parents are divorced, the custodial parent (or the one you lived with the most in the past 12 months) is usually responsible for filling out the FAFSA. Check out this website to learn more: 1.usa.gov/1OgfTcg

Undo ✓ Approved by AdmitHub AI

OK and when is it due?
Jan 19 2017 6:39:07 PM

The FAFSA is available starting Oct. 1. Fill it out ASAP! (Use last year's tax info.) Some aid is first-come, first-served, so don't delay! fafsa.gov

Accept Reject

Reminder
You have a quiz tomorrow in MATH 120. Schedule time to study.
Close Schedule

185,000



Drop in Summer
Melt:

-37%

365 More
Students Enrolled

Continuing Students

Supported by the Dell and ECMC Foundations

Students who started the semester with a balance: **-49%**

Students with Account Balance

Who Opened a ticket with Financial Aid:
+33%

Students meeting with Advisor within one week of being contacted: **+28.5%**

Pilot in high enrollment courses



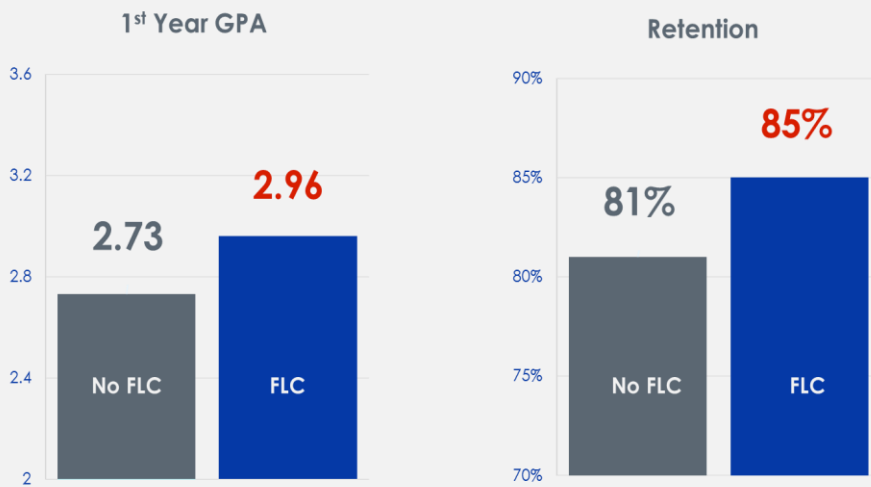
2.6

Average Number of Majors Cycled Through By
Graduating Seniors in 2010



Freshman Learning Communities & Meta Majors

Freshman Learning Communities with block schedules of 5 to 6 courses:
95% of non-Honors freshmen (Opt-out model)



Choice Architecture: Meta Majors

Business
Education
Exploratory
STEM
Humanities & Arts
Health Professions
Policy/Social Science




41

Guides with Live Job Data of GSU Alums by Major

[Georgia State Home](#)

[STUDENTS](#)
[FACULTY & STAFF](#)

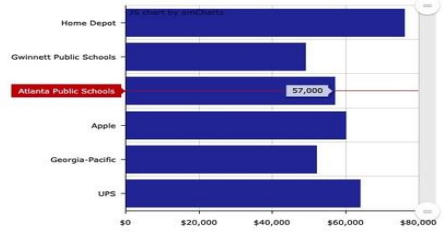
About How This Works Engagement CTC In The Majors & Pathways Faculty Training Tool Kit



Your Career Starts Here

WHEN YOU TAKE YOUR FIRST STEPS ON CAMPUS, YOU ARE CHARTING YOUR CAREER PATH.

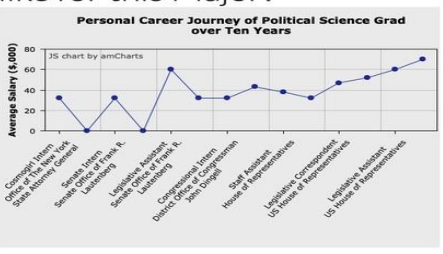
Top Employers of GSU Political Science Grads: Average Salary



| Employer | Average Salary |
|-------------------------|----------------|
| Home Depot | ~\$75,000 |
| Gwinnett Public Schools | ~\$55,000 |
| Atlanta Public Schools | \$7,000 |
| Apple | ~\$60,000 |
| Georgia-Pacific | ~\$50,000 |
| UPS | ~\$65,000 |


What does a career path look like for this Major?

Personal Career Journey of Political Science Grad over Ten Years



Average Salary (\$,000)

JS chart by amCharts


[Log in to Steppingblocks for more national data on Political Science majors.](#)

Faculty and Department Seed Grants

Example: The Department of History
Skills-Based Approach to U.S. History Survey Courses

- Use Tableau to interpret historical data
- Data viz software as tool for presenting historical findings
- Did NOT require any alteration to existing SLOs





-32%

Drop in Major
Changes After the
Freshman Year

5,760

Students Who Dropped Out of
Georgia State in 2010

Advisement: GPS Advising

Predictive Analytics Project with EAB

10 YEARS
OF DATA

2.5 MILLION
GRADES

144,000
STUDENT RECORDS

800+
ANALYTICS-BASED
ALERTS

30,000 STUDENTS
TRACKED DAILY

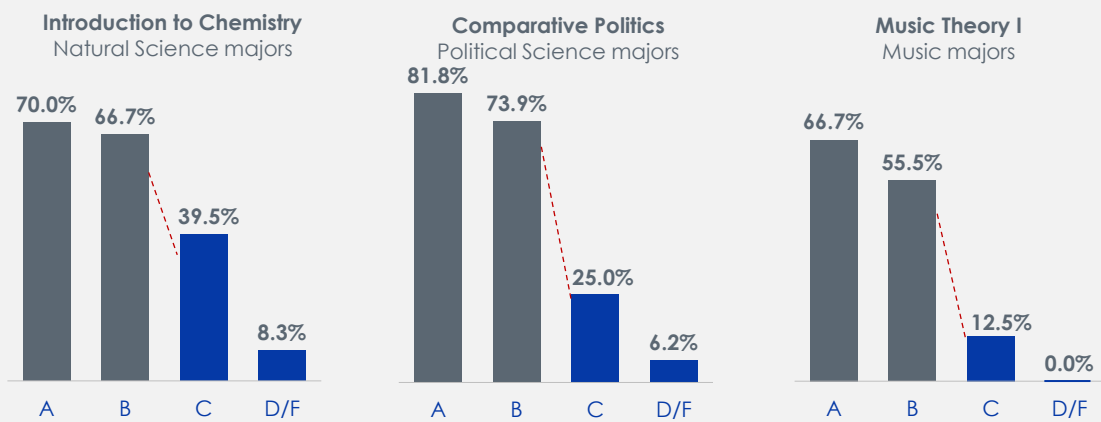
Registration Tracking and Academic Maps

B.S. in Chemistry

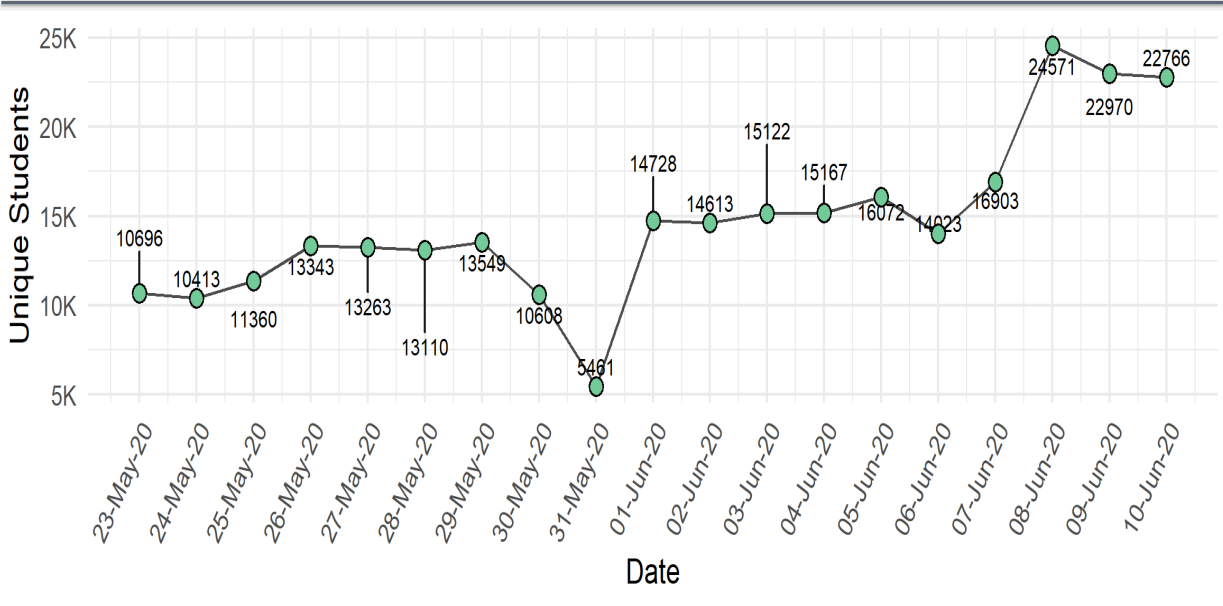
| SEMESTER 1 | SEMESTER 2 |
|--|--|
| <ul style="list-style-type: none"> Complete 1 of ENGL 1101, ENGL 1102 or ENGL 1103 (C or Better) Complete MATH 1113 or Higher (B- or Better) Complete CHEM 1211K (B- or Better) | <ul style="list-style-type: none"> Complete ENGL 1102 or 1103 (C or Better) Complete MATH 2211 or Higher (B- or Better) Complete CHEM 1212K (B- or Better) Maintain a cumulative GPA of 2.25 or Better |
| SEMESTER 3 | SEMESTER 4 |
| <ul style="list-style-type: none"> Complete CHEM 2400 (B- or Better) Complete MATH 2212 (C or better) Complete PHY 2211k (C or better) | <ul style="list-style-type: none"> Complete CHEM 3410 (C or better) PHY 2212k (B- or Better) (C or better) Maintain a cumulative GPA of 2.25 or Better |
| SEMESTER 5 | SEMESTER 6 |
| <ul style="list-style-type: none"> Complete CHEM 4000 with a C or Better Complete CHEM 4110 with a C or Better | <ul style="list-style-type: none"> Complete CHEM 4010 with a C or Better Complete CHEM 4120 with a C or Better |
| SEMESTER 7 | SEMESTER 8 |
| <ul style="list-style-type: none"> Complete CHEM 4160 with a B- or better | <ul style="list-style-type: none"> Complete CHEM 4190 with a C or Better |

Performance in 'Marker' Courses

Graduation Rate in Major by Introductory Course Grade



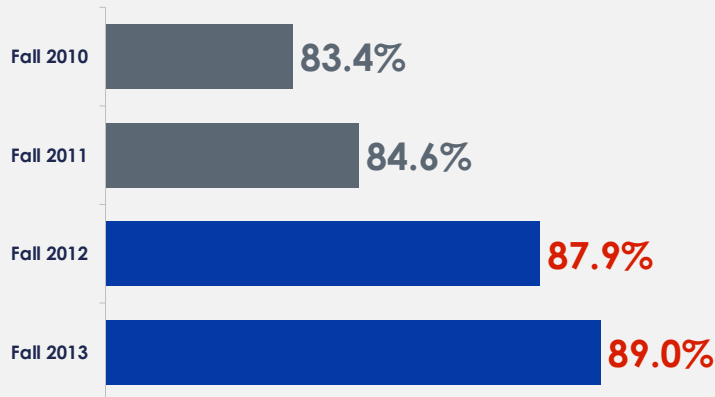
Course Engagement





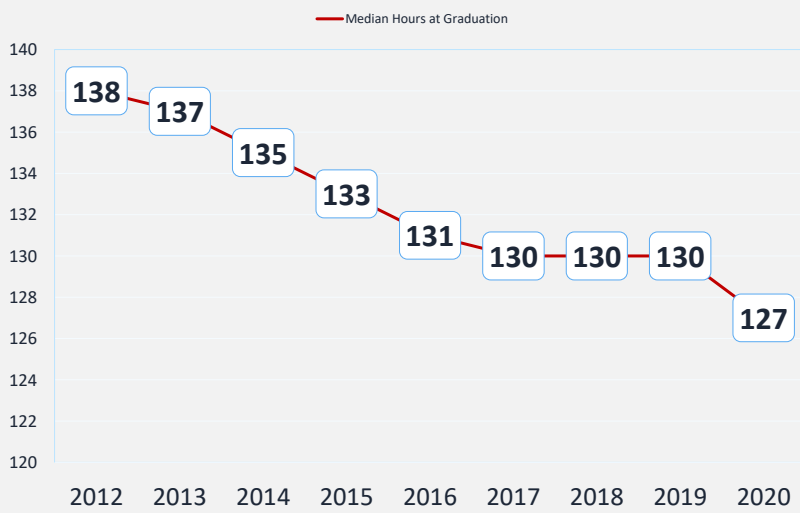
Results: Increased Retention

Increased Average First Term Retention
Fall to Spring Retention



Results: Decline in Time to Degree

Hours at Graduation
Native Freshmen Bachelor's Students



Results: ROI for Students



\$21 million

*Savings to the Class of 2021 in tuition
and fees when compared to the
Class of 2012*

53

Results: Confounding Expectations



STEM Degrees Conferred Since 2011 (with enrollment change)

| | |
|------------|---------------------|
| Black | +154% (50%) |
| Black Male | +208% (54%) |
| Hispanic | +324% (118%) |

Impacts



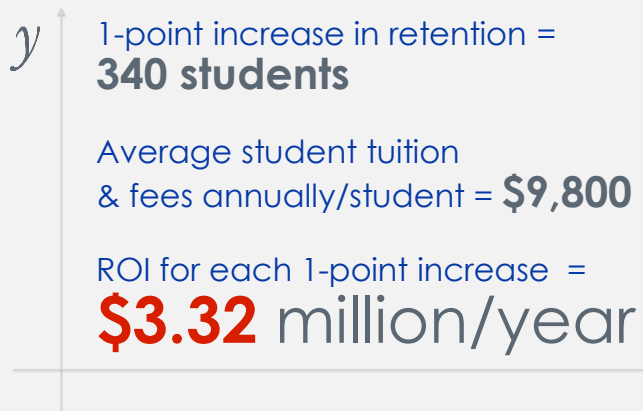


Growing Recognition



The Cost of Inaction

The Calculus of Student Success: ROI



Undergraduate Degrees Awarded Annually



2010-11: | 2019-20:
4,222 | **7,723**

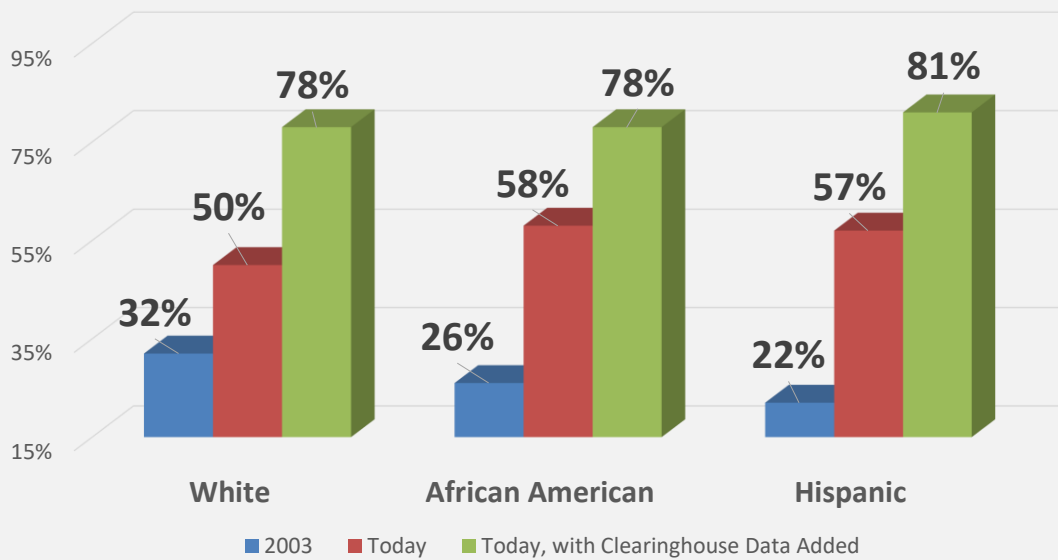
INCREASE:
3,501 (+83%)

Bachelor's Degrees Awarded by Group

| | 2009-10 | 2019-2020 | Change | % Change |
|------------------|---------|-----------|---------------|--------------|
| African American | 1,001 | 2,199 | +1,198 | +120% |
| Pell | 1,298 | 3,554 | +2,256 | +174% |
| Hispanic | 196 | 632 | +436 | +222% |



Graduation Rates by Race & Ethnicity



#1 in Degrees Conferred to African Americans

Top 100 Degree Producers: Non-Profit Universities

2018 African-American Bachelor's - All Disciplines Combined

Diverse
ISSUES IN HIGHER EDUCATION

| | Institutions | State | Total | %Grads | %Chg |
|----|---|-------|-------|--------|------|
| 1 | Georgia State University | GA | 1,930 | 38% | 7% |
| 2 | FAMU | FL | 1,477 | 95% | -7% |
| 3 | University of Central Florida | FL | 1,401 | 24% | -1% |
| 4 | University of Maryland-University College | MD | 1,443 | 11% | 8% |
| 5 | Howard University | D.C. | 1,194 | 78% | 0% |
| 6 | North Carolina A & T State University | NC | 1,227 | 91% | 6% |
| 7 | Florida International University | FL | 1,087 | 19% | 7% |
| 8 | Florida Atlantic University | FL | 1,054 | 11% | 9% |
| 9 | University of Memphis | TN | 1,011 | 33% | 3% |
| 10 | The University of Texas at Arlington | TX | 992 | 13% | -7% |

Source: Diverse Issues in Higher Education, 2018

Social Mobility

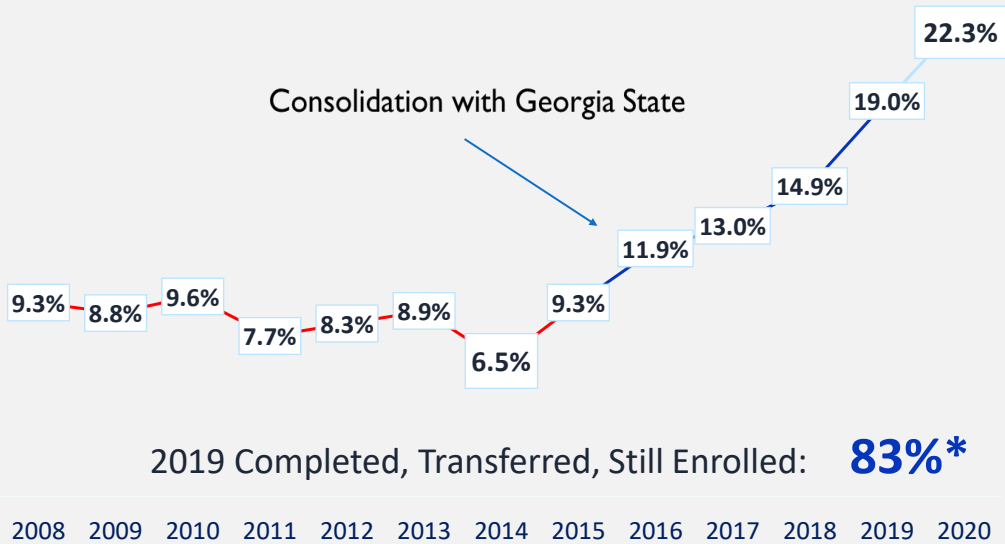
- Brookings Institution
- Harvard CLIMB
- US News and World Report

Top 1% of American Universities

Moving Students from the bottom 20% of Americans by Annual Household Income to the Upper 50% fifteen years later.



Perimeter College 3-Year Graduation Rates



*Chronicle of Higher Education, January 2020

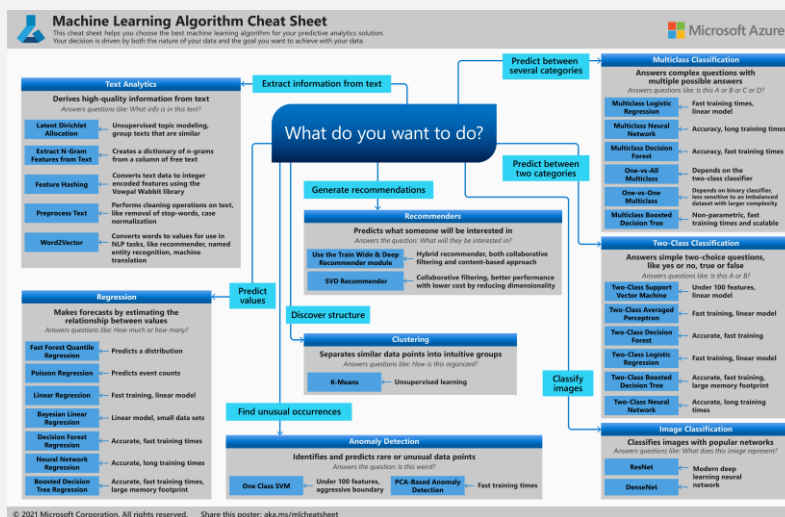
Perimeter College Graduation Rates: Equity

| | 2015 | 2020 | Change |
|------------------|------|------|--------|
| Overall | 7% | 22% | +15 |
| White | 10% | 22% | +12 |
| African American | 4% | 22% | +18 |
| Hispanic | 6% | 25% | +19 |
| Pell | 5% | 22% | +17 |

* IPEDS 3-Year Graduation Rates for Associate Degree Students

Predictive Analytics Demystified

Predictive Analytics Can Be Intimidating



Source: <https://docs.microsoft.com/en-us/azure/machine-learning/algorithm-cheat-sheet>

The Reaction

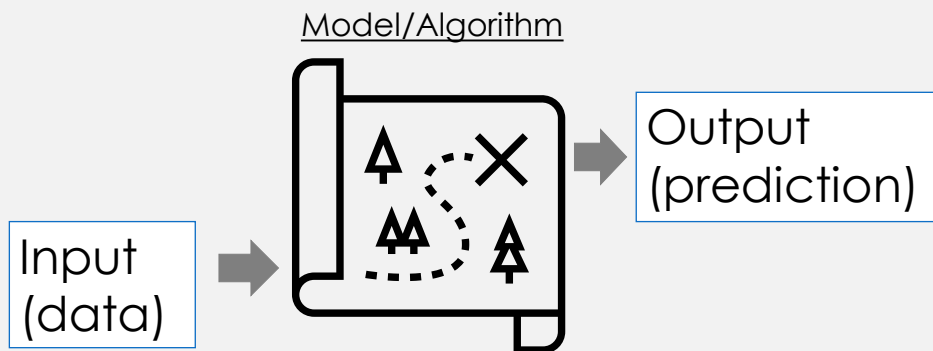


**Predictive
Analytics, Machine Learning,
Regression, Clustering,
Deep Learning, Neural
Networks, Classification,
Big Data, Random
Forest, K-Means, Nearest
Neighbor, Support Vector Machine**



**Doing
Things The Old
Fashioned Way**

Predictive Analytics Demystified

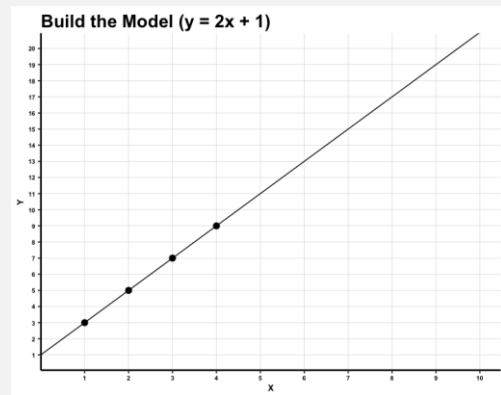
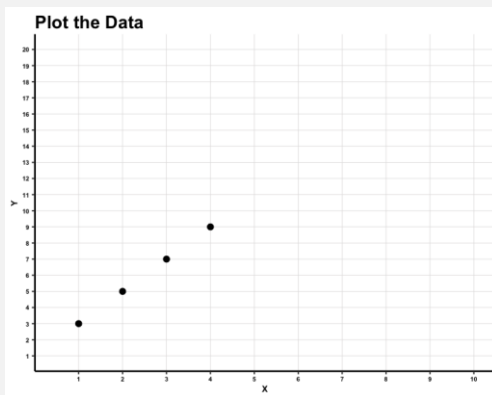


A predictive analytics algorithm takes input data and **maps** it to a value or probability that can be used to make a prediction.

Predictive Analytics Demystified

It can be quite simple:

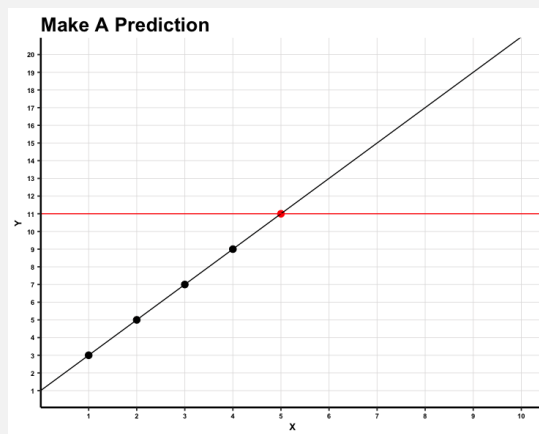
| X | Y |
|---|-----|
| 1 | 3 |
| 2 | 5 |
| 3 | 7 |
| 4 | 9 |
| 5 | ??? |



Predictive Analytics Demystified

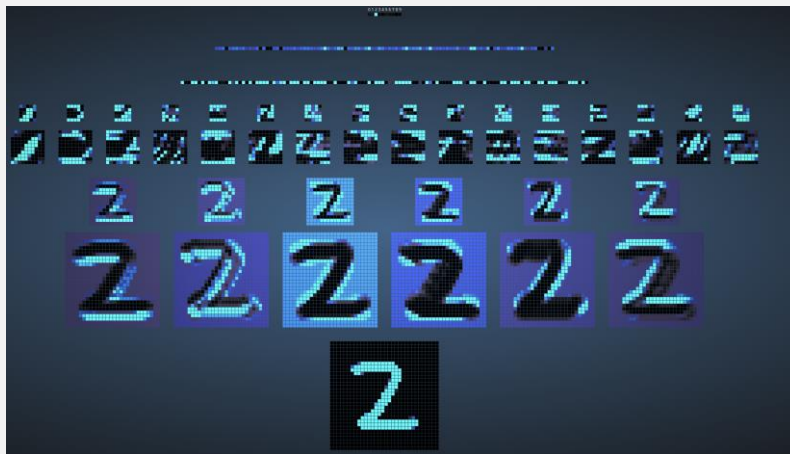
It can be quite simple:

| X | Y |
|---|----|
| 1 | 3 |
| 2 | 5 |
| 3 | 7 |
| 4 | 9 |
| 5 | 11 |



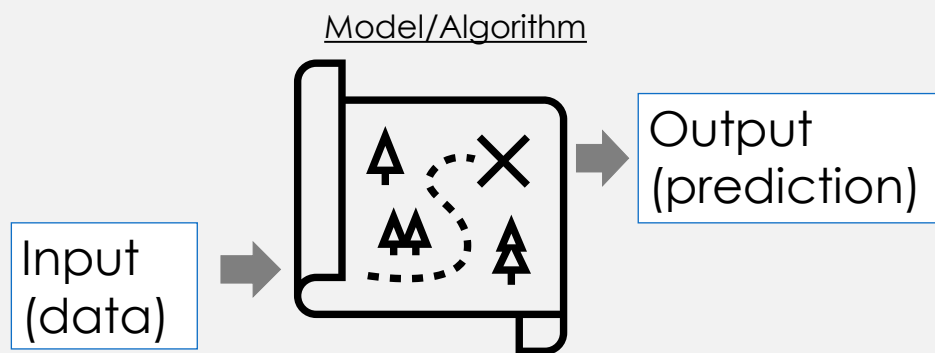
Predictive Analytics Demystified

It can also be quite complex:



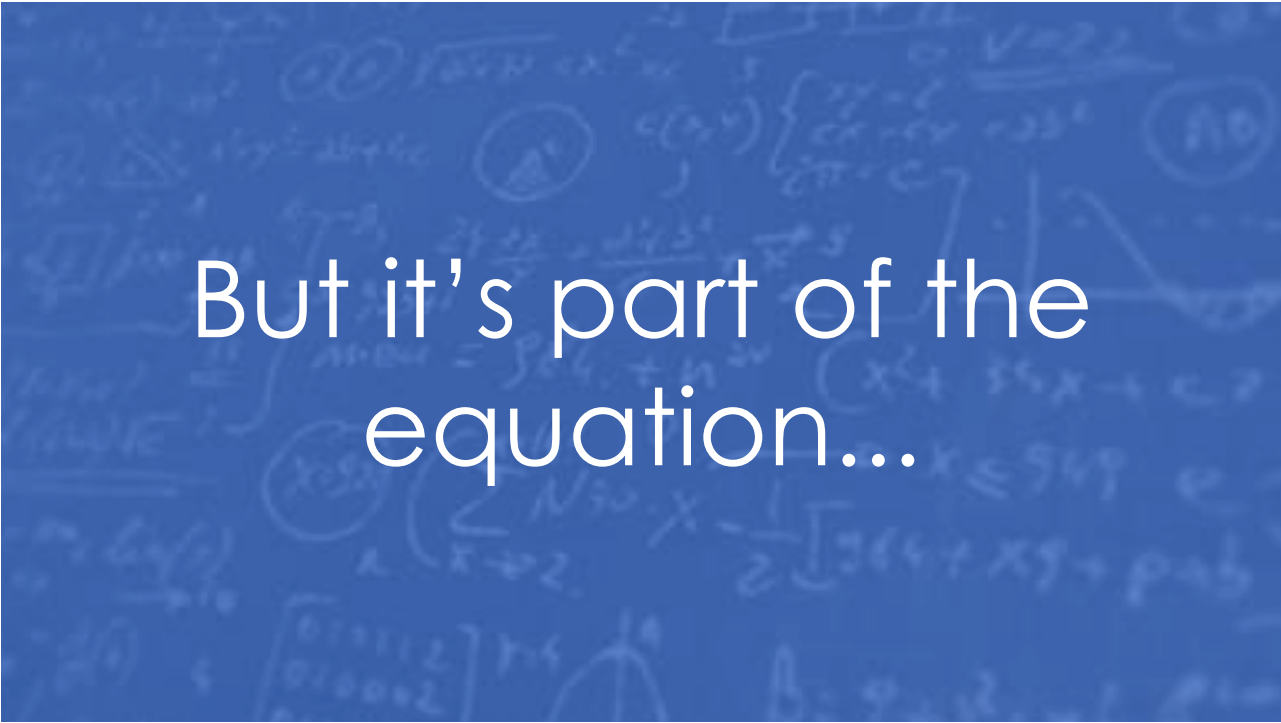
Source: <https://www.cs.ryerson.ca/~aharley/vis/conv/flat.html>

Predictive Analytics Demystified





Data \neq Student Success



But it's part of the
equation...



Questions?

Webinar Evaluation

<https://www.surveymonkey.com/r/DEInov2021>

Link provided in follow up email or scan QR code below



CPE certificate and handouts will be emailed after the presentation.