INSTITUTIONAL DATA UPDATE
Institutional Data

• Goal:
  - Leverage existing institutional student-level data as much as possible to understand student trajectory and outcomes
    - Student demand for and participation in VIP
    - Student STEM persistence and completion
    - VIP as an “intervention”
    - Offers opportunities for comparatives

• Approach
  - Understanding data availability, scope/definition, and utility across Consortium
  - Tiered approach to maximize learning based on GATECH experience
    - Georgia Tech: Deep Dive in historical VIP data
    - 4 Schools: Collection and Analysis
    - Full Consortium: Data Summaries
  - Development of guidelines for institutional data analysis and reporting by VIP Consortium institutions
Sources of Data

VIP Student Data

Student Information System

Self-, Faculty- and Peer-Reported Data

Institutional Context Data

Institutional Analysis
Student Survey
Comparison of Key Elements Among VIP Institutions

A % Bachelors Degrees (of Bachelors and Grad degrees)
B % Full-time Undergraduate enrollment
C % Full-time Undergraduate enrollment in Engineering
D Six-year graduation rate
E % Undergraduate adult learners
F Percent admitted (total)
G² Published out-of-state tuition and fees (normalized; 100 = maximum among VIP Consortium institutions, $46,170 at New York University)

NOTES
1 Data includes VIP institutions only.
2 Element G, "Published out-of-state tuition and fees," is a relative comparison among the VIP institutions. The maximum value of $46,170 is set as 100 and used as the denominator in calculating values for the institutions. All other elements are actual values for the respective institutions.
Comparison of Key Elements Among VIP Institutions¹

A  % Bachelors Degrees (of Bachelors and Grad degrees)
B  % Full-time Undergraduate enrollment
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VIP Draft Data Plan (Units of Analysis)

Categories of students:
• Express interest in VIP
• Enrolled in VIP
• Past expressed interest in VIP
• Past enrollment in VIP

Institutional Context Data:
• Proportion of Enrollment
• Proportion of Degrees Awarded
• Comparison to Non-VIP Students
VIP Draft Data Plan (Measures)

• VIP Participation
• Outcomes
  • GPA – Cumulative and Term
  • Retention to Next Term
  • Graduation / Time-to-Degree
• Demographics
  • Gender
  • IPEDS Ethnicity
  • First-Gen status
  • Pell Eligibility and/or Recipient
• Preparation
  • SAT/ACT scores
  • HS GPA
• Academics
  • Transfer status
  • Enrollment status (part-time/full-time)
  • Year in school (level)
  • Major
• Other education opportunities
  • First-year orientation / Seminar
  • Study Abroad
  • Housing
  • Greek Life
  • Undergraduate Research
VIP Draft Data Timeline

Fall 2015
• Identify variables at Boise State & Georgia Tech

Spring 2016
• Verify IRB protocol for sharing data
• Collect data at Boise State & Georgia Tech
• Finalize VIP data collection template
  • Open for Michigan & Purdue
• Verify availability of IPEDS data / collect IPEDS data for all consortium sites
• Collect IPEDS data for all four evaluation sites

Fall 2016 & Onward
• Collect VIP student data at all four evaluation sites
Undergraduate VIP Participation at Georgia Tech

Graph showing the number of participants in Undergraduate VIP programs at Georgia Tech from Fall 2008 to Spring 2016, with a steady increase over the years.
Georgia Tech Preliminary Descriptives

Top 5 Most Popular Undergraduate Majors at Time of VIP Participation
1. Electrical Engineering – 587
2. Computer Science – 468
3. Computer Engineering – 346
4. Mechanical Engineering – 288
5. Industrial Engineering – 275

Most Popular College of Enrollment at Time of VIP Participation
1. College of Engineering – 1,852
2. College of Computing – 472
3. College of Sciences – 38
4. Ivan Allen College – 19
5. Scheller College of Business – 13
6. College of Architecture – 10
7. Undeclared – 10

STEM majors account for 97.9% of VIP participation at Georgia Tech.
Race / Ethnicity

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Asian</th>
<th>Black or African American</th>
<th>Hispanic or Latino</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>18%</td>
<td>9%</td>
<td>5%</td>
<td>65%</td>
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<tr>
<td>2010</td>
<td>23%</td>
<td>7%</td>
<td>6%</td>
<td>60%</td>
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<td>2011</td>
<td>51%</td>
<td>7%</td>
<td>7%</td>
<td>31%</td>
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<td>2012</td>
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<td>2015</td>
<td>7%</td>
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<tr>
<td>2016</td>
<td>23%</td>
<td>7%</td>
<td>7%</td>
<td>60%</td>
</tr>
</tbody>
</table>

Race/Ethnicity Representation in the VIP Program Over Time

STEM includes the College of Computing, College of Engineering, and College of Sciences.
Other includes the College of Architecture, Ivan Allen College of Liberal Arts, and Scheller College of Business.
Gender Representation in the VIP Program Over Time

STEM includes the College of Computing, College of Engineering, and College of Sciences.
Other includes the College of Architecture, Ivan Allen College of Liberal Arts, and Scheller College of Business.
Residency

<table>
<thead>
<tr>
<th>Residency Type</th>
<th>In-State</th>
<th>Out-of-State</th>
<th>International</th>
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</thead>
<tbody>
<tr>
<td>Other</td>
<td>70%</td>
<td>21%</td>
<td>9%</td>
</tr>
<tr>
<td>STEM</td>
<td>62%</td>
<td>30%</td>
<td>9%</td>
</tr>
<tr>
<td>VIP</td>
<td>44%</td>
<td>28%</td>
<td>27%</td>
</tr>
</tbody>
</table>

STEM includes the College of Computing, College of Engineering, and College of Sciences.
Other includes the College of Architecture, Ivan Allen College of Liberal Arts, and Scheller College of Business.

Residency Representation in the VIP Program Over Time

Institutional Analysis
Institutional Data
Student Survey
Faculty Survey
Term GPA

Cumulative GPA

STEM includes the College of Computing, College of Engineering, and College of Sciences.
Other includes the College of Architecture, Ivan Allen College of Liberal Arts, and Scheller College of Business.
Four-Year Graduation Rate

STEM includes the College of Computing, College of Engineering, and College of Sciences.
Other includes the College of Architecture, Ivan Allen College of Liberal Arts, and Scheller College of Business.
Five-Year Graduation Rate

STEM includes the College of Computing, College of Engineering, and College of Sciences.
Other includes the College of Architecture, Ivan Allen College of Liberal Arts, and Scheller College of Business.
Six-Year Graduation Rate

STEM includes the College of Computing, College of Engineering, and College of Sciences.
Other includes the College of Architecture, Ivan Allen College of Liberal Arts, and Scheller College of Business.