Ad Astra

Lead with Velocity

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Moderator: Chris Triplett, Strategic Solutions Consultant

Webinar Reminders

- Participants will be automatically muted
- 10-15 minutes will be allocated for answering questions following the presentation
- Please submit questions through the Q & A panel within the webinar

Agenda

- Transition to Pathways/Planner Analysis
- Velocity Metrics and Terms
- Bottlenecked Courses – Pathways Review
- Unproductive Courses Review
- Course Demand Recommendations
- Individual Student Impacts

What are Pathways?

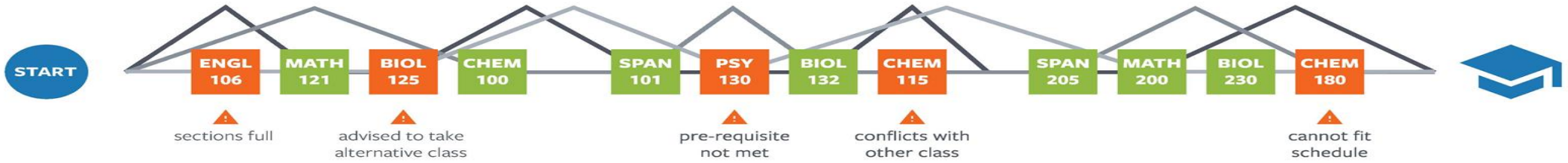
Pathways represent the idealized way for students to complete a program of study.

- Prescribed, sequenced set of courses or course groups a student must complete to graduate
- Serves as framework to apply academic history for planner analysis
- Makes enhanced reporting and benchmarking opportunities for student success available

Pathway Progress

Example: On Path Student

Example: Off Path Student



What are Student Planners?

- Student and/or advisor facing systems
- Wide range of functionality
  - Can build degree templates/pathways and assign to students as a starting point
  - Auto-update a student's progress each semester
- Data footprint of planned courses/pathways and are much less complicated than degree audit
- Data gaps
  - New students
  - # of students who participate in planning
  - # of students who complete plan

Plans/Pathway Data Integration Approach

Student Planner Data Integration Institution has a Student Planner System	Pathways Data Integration Institution does NOT have a Student Planner
• Student and/or advisor plans courses for terms in a system	• Institution has sequences for programs of study but does not have student plan data
• Import student planned AND pathways data	• Import pathways data
• Apply student planned data in student progress analysis	• Apply academic history to pathways in student progress analysis
• Supplement student planned data using pathways and academic history (as necessary)	
• Student plan is completed (for analysis term and future terms)	• Student plan is completed (for analysis term and future terms)

Sample Pathway

Home | Dashboards | Calendars | Analytics | Academics | Events | Reporting | Settings | sysadmin | ?

Pathway - BS Economics Pathway 1 (Default)

Save | Save and Close | Cancel | Set as Default | Clone | View Students

*Name: BS Economics Pathway 1 | Credits to Complete: 124 | *Catalog Version: 201610 | Campuses: Main

Pathway Courses

Add | Credit Load: None

Sequence ^1	Pathway Course v2	Pathway Course Group	Credit Hours	Alternate Course	Alternate Course Group	Calculated Probabil...	User Probability	Milestone	Gateway
1	ECON 001		4						
2	MATH 011		4						
3		HumFineArtsElective	4						
4	WRI 010		4						
5	CORE 001		4						
6		LowerDivSciGE	4						
7		PHGroupA	4						
8	CHEM 002		4	CHEM 002H					
9	CHEM 008		4	CHEM 008H					
10		PHGroupB	4						
11	PHYS 008		4	PHYS 008H					
12		UpperElective	4						
13	SOC 001		4			20.38			
13	PSY 001		4			49.69			
13	POLI 001		4			11.32			

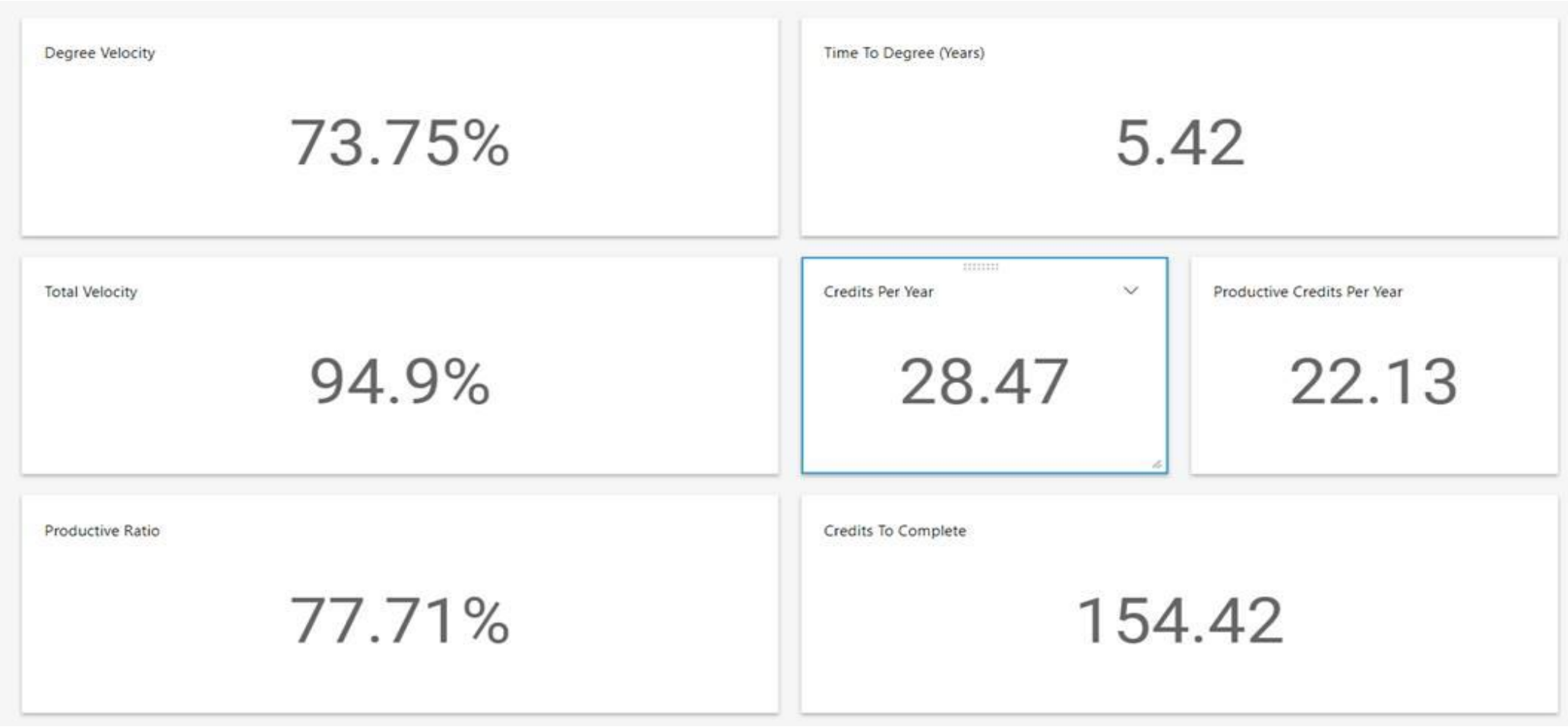
Velocity Metrics and Terms

- **Degree Velocity** – This is the average 'productive' hours completed divided by the goal annually. Measured as a percentage. Example: Student completes 24 hours. 21 apply to the degree. The goal is 30 hours per year. Degree velocity = 21/30 or 70%
- **Time to Degree –** For active students, this is the estimated time to completion of the degree based on remaining hours and assuming the student(s) stay on the same pace and in the same pathway. Estimated Time to Degree = 2.8 years. For graduated students, this is the actual time to completion. Time to Degree = 2.5 years.
- **Total Velocity** – This is the hours completed divided by the goal annually. Measured as a percentage. Student completes 24 hours versus the goal of 30 hours. Overall velocity = 24/30 or 80%
- **Productive Ratio** – This is the productive hours completed divided by the overall hours completed. Measured as a percentage. Student completes 21 hours that apply to the degree and 24 hours overall. Productive ratio = 21/24 or 87.5%

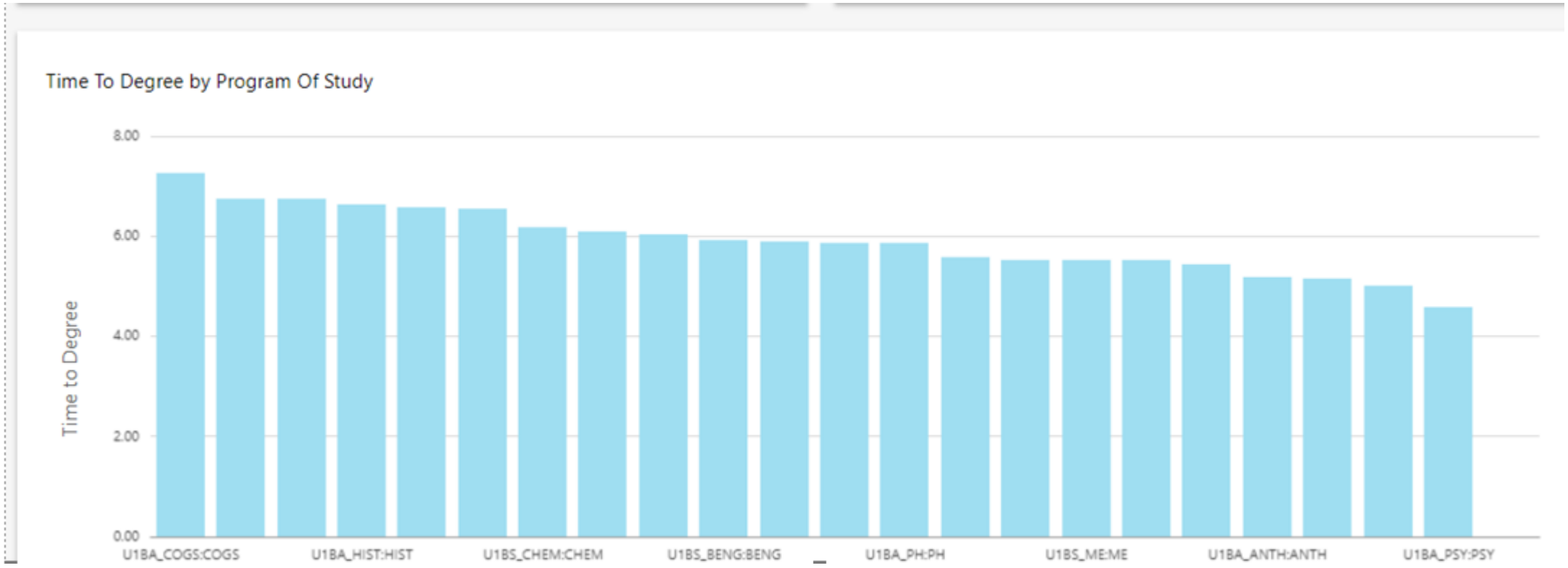
Velocity Metrics and Terms

- **Credits Per Year** – This is the average credit hours a student completes in a year.
- **Credits to Complete -** This is the average total completed credits per student for their degree program. Most undergraduate degrees require 120 hours. If a student only completes 75% productive credits each year, then they will end up taking 125% of the credits required for a degree.

Degree Velocity Metrics



Velocity and Completion by Program

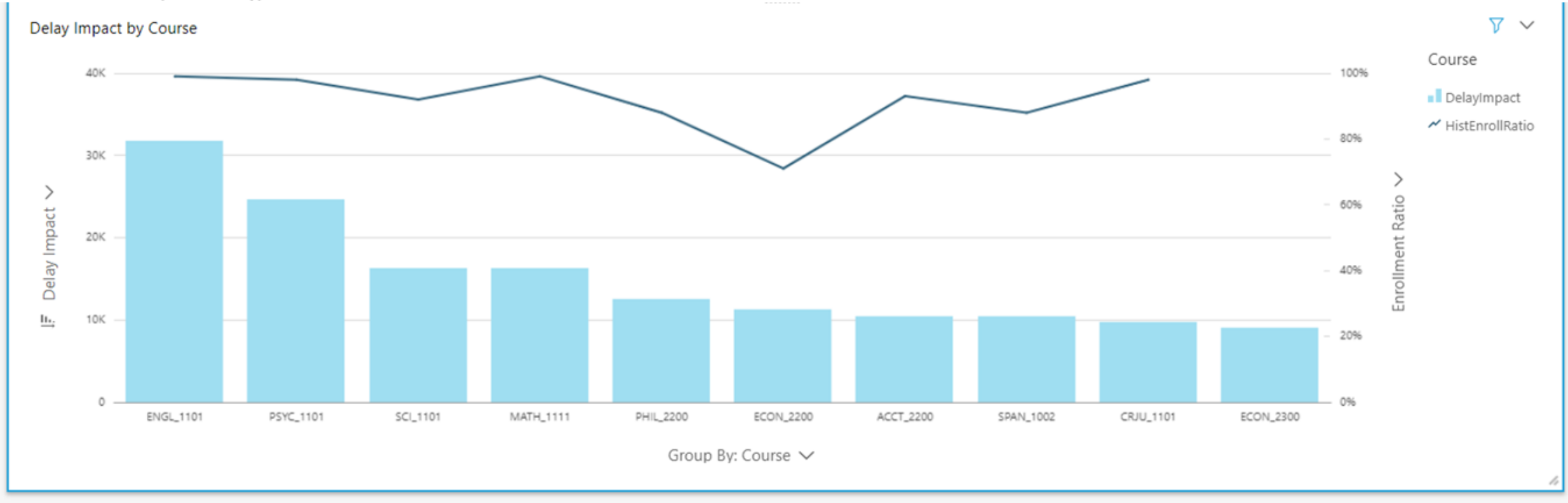


Bottlenecked Courses from Pathways

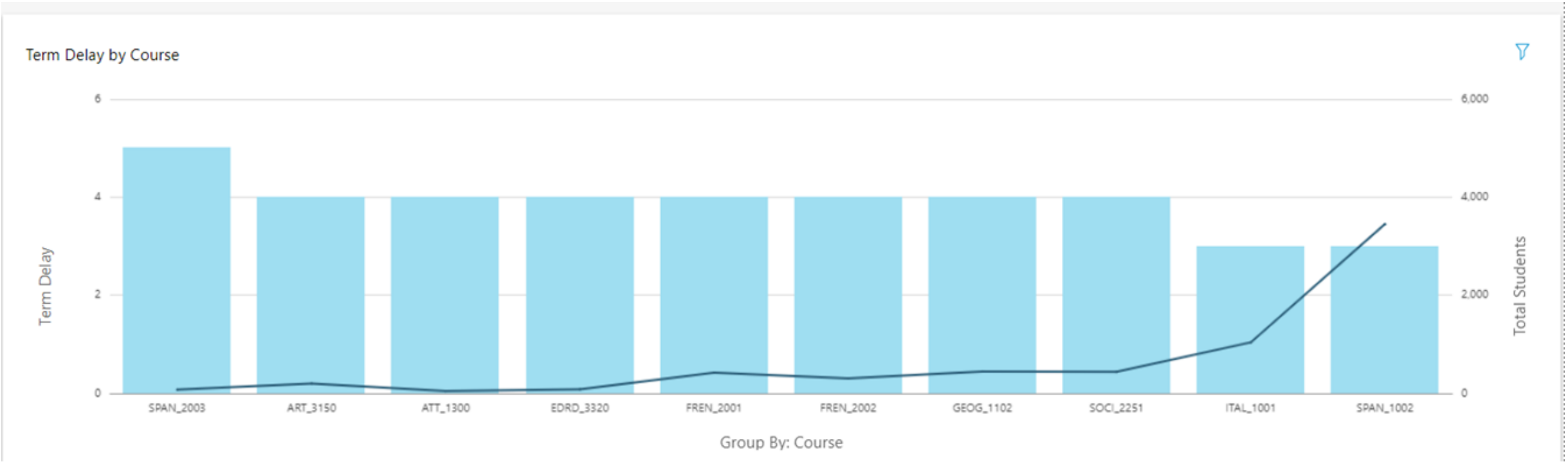
- How are Pathway course bottlenecks different from those generated from Platinum Analytics in the past?
  - Pathways provide guidance on when the institution prefers for the students to take a course
  - Reviewing actual course completions provide insight into the variance
  - Example – CHEM 001 should be taken in term 1; but most students take the course in term 3
  - Scope of students impacted is also important
  - Causality – Course availability? Advising? Student behavior?
- Establishes direct link between course access issues and degree velocity

Identifying Impact of Course Bottlenecks

Course Bottlenecks (Term Delay)

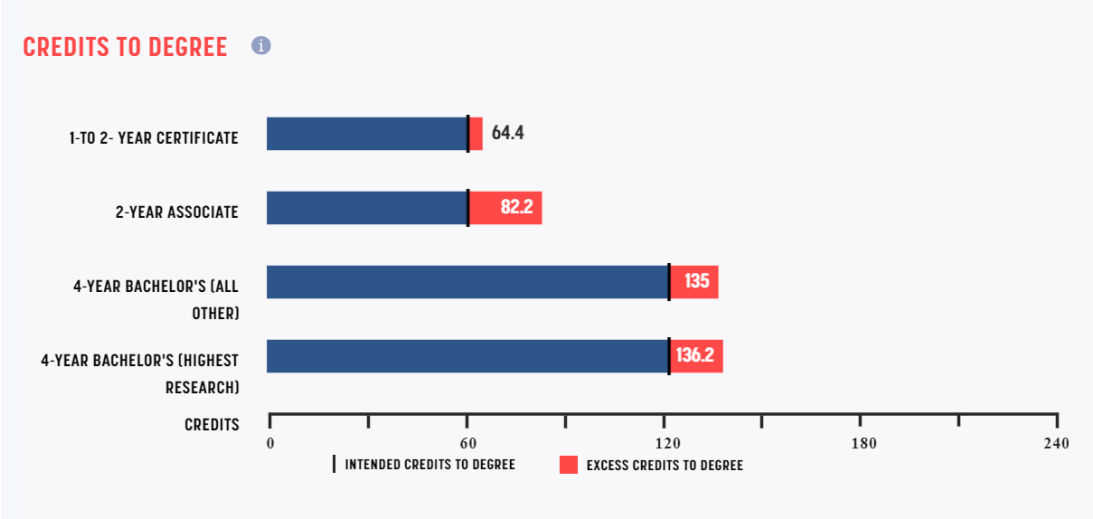


Examining Pathway Effectiveness

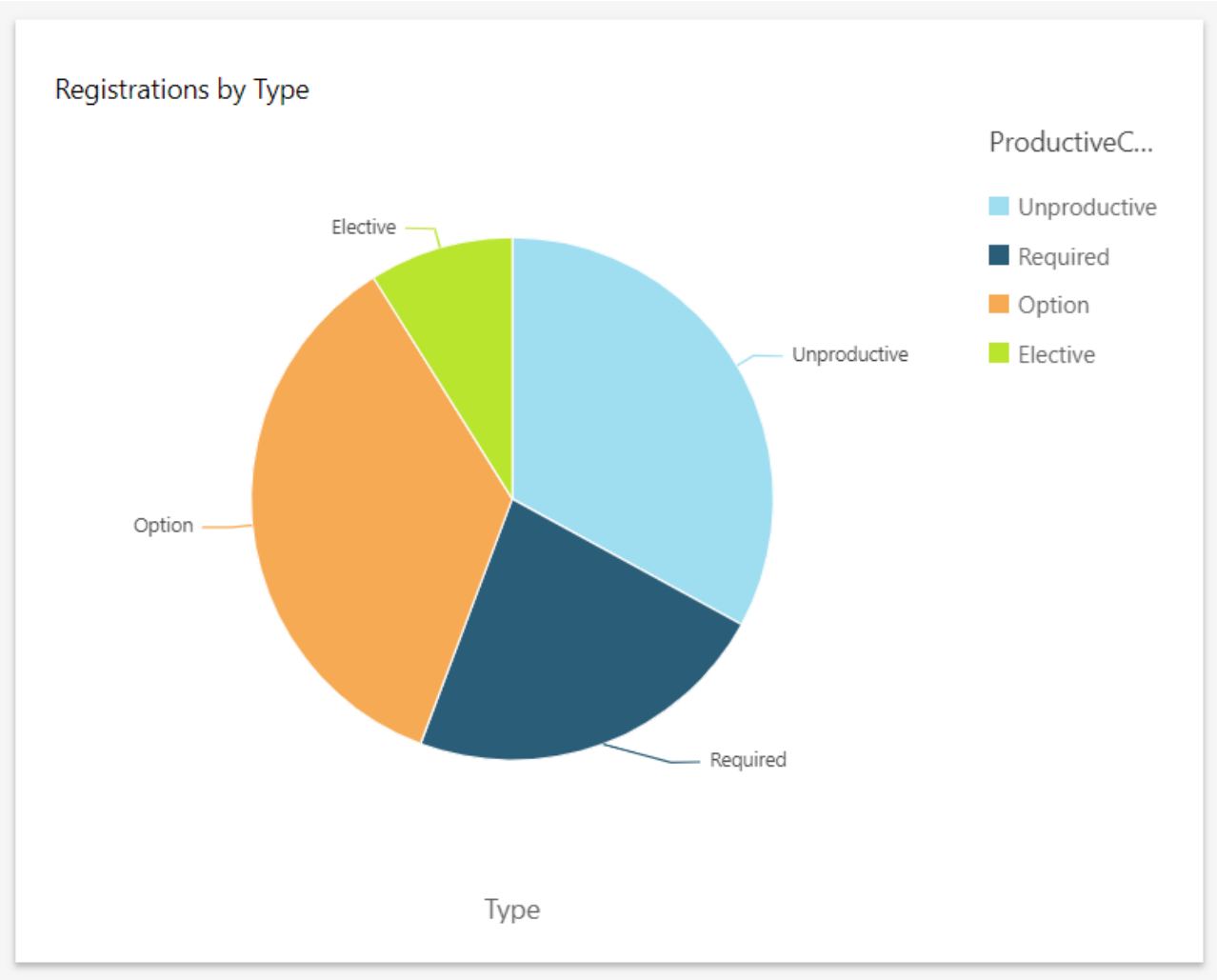


Excess Credits

- Courses that are taken but do not apply to degree completion
  - Unsuccessful – credits attempted but not earned
  - Not applied – credits earned but do not apply to the degree
    - Change of major
    - Advising
    - Student behavior



Excess Credit Analysis



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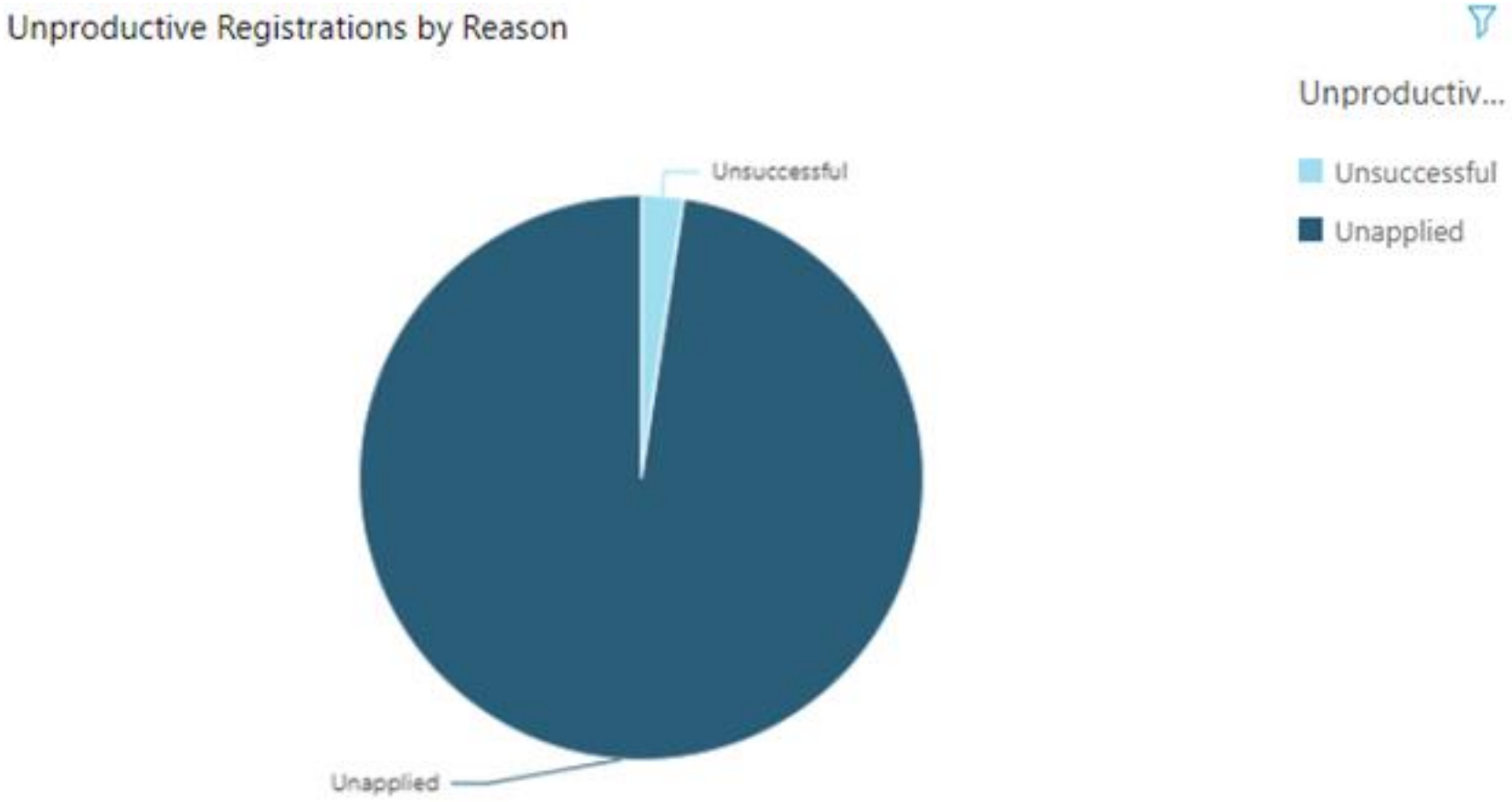

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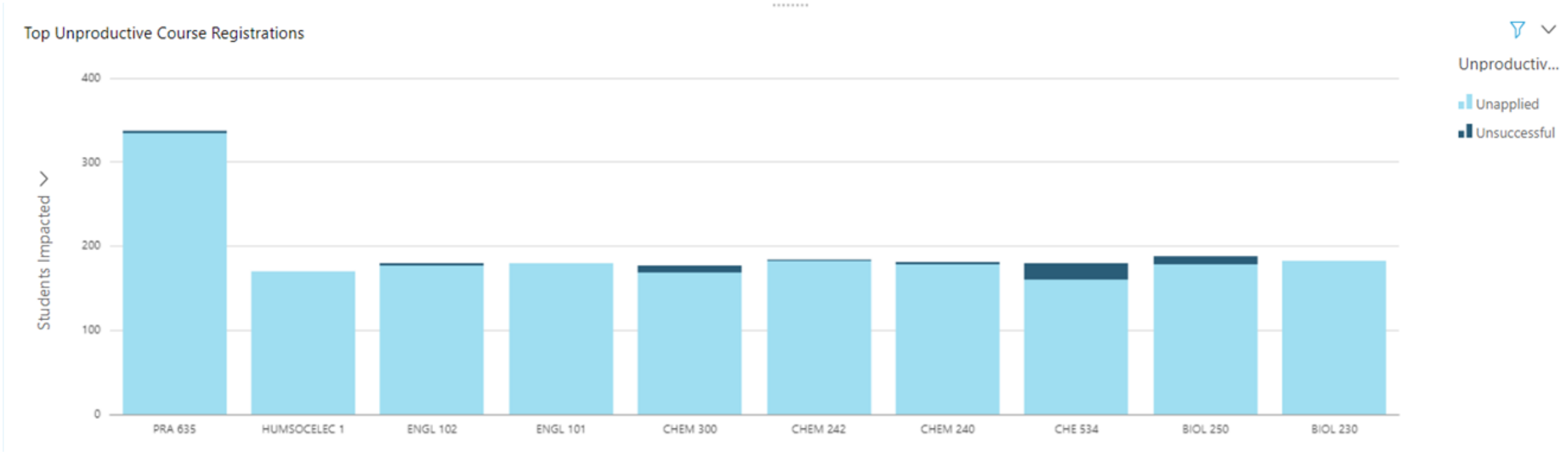

Application Demonstration

- Course Demand
- Student Impact

Q & A

- If you haven’t already submitted a question, please feel free to use the Q & A box.
- We will do our best to answer all questions posed, but know that you can always reach out to your Account Executive and Client Experience Manager if you have further questions.

Upcoming Webinars

Using Analytics on Your Campus

5/28/19

Webinar Highlights

- Learn from the client perspective how you can effectively use analytics on your campus to influence key decisions to improve efficiency and ROI around course scheduling.

Planning Your Year

6/25/19

Webinar Highlights

- Walk through a year of scheduling with the Ad Astra team. This webinar will cover momentum year, course scheduling, optimization, and making the most of your advanced planning process.

Engagement Opportunities

Ad Astra team members are coming to a city near you! To find out which conferences/events we will be attending, you can check our website at https://www.aais.com/conferences

Save the Date for Aspire 2019!

October 13-16 in Kansas City, MO