



GRAYTM
DECISION INTELLIGENCE

2026 Update

Economics and Outcomes

Management Dashboard

Predict Program Size

Program Remix

March 12th, 2026



Economics and Outcomes

Economics and Outcomes


The update includes:

- Improved speed
- Additional data mining tools
- Updated visuals
- New benchmarking metrics
- In-app methodology overview
- Upgraded Economics Agent
- Reports

Economics and Outcomes

Improved speed

From clicking to open the application to being able to make selections, load time has decreased from:

1 minute  **22 seconds**

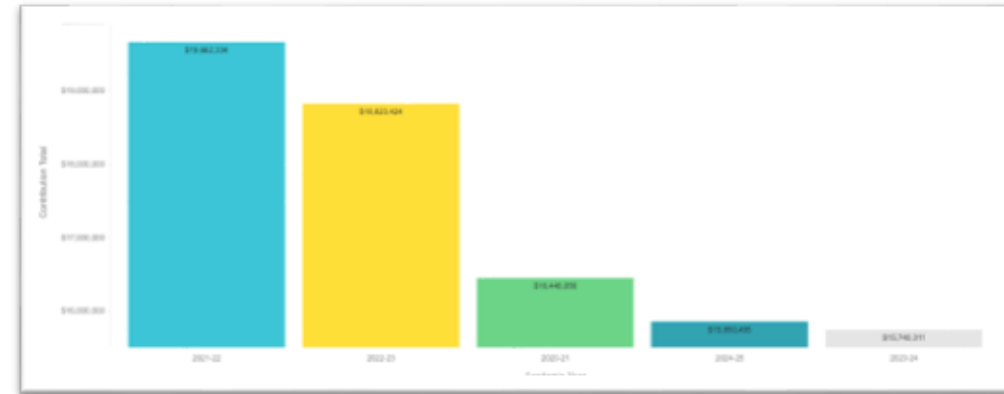
Additional data mining tools

Turn the data table into other visualizations

Table

- Table ✓
- Bar chart
- Scatter chart
- Heat map chart
- Pivot table

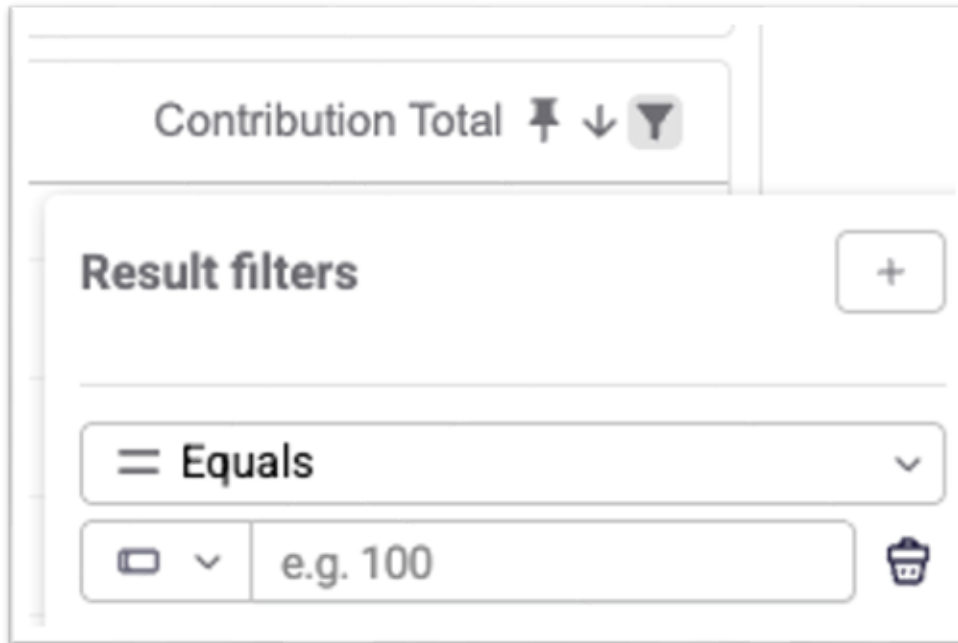
Academic Year	Contribution Total
	\$86,522,620
2020-21	\$16,446,056
2021-22	\$19,662,334
2022-23	\$18,823,424
2023-24	\$15,740,311
2024-25	\$15,850,495



2020-21	2021-22	2022-23	2023-24	2024-25
\$16,446,056	\$19,662,334	\$18,823,424	\$15,740,311	\$15,850,495
\$16,446,056	\$19,662,334	\$18,823,424	\$15,740,311	\$15,850,495

Additional data mining tools

Filter on values and ranges in the data table

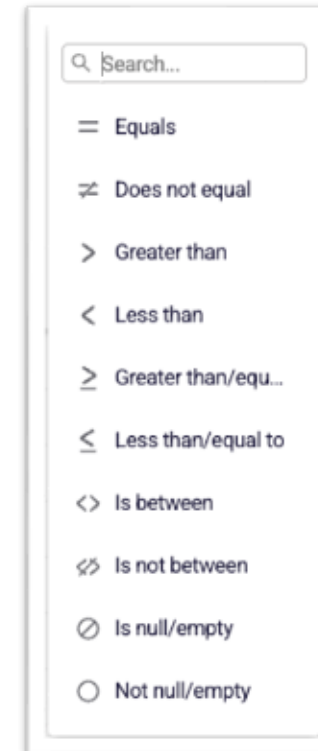


Contribution Total ↑ ↓ ▾

Result filters +

= Equals ▾

▢ ▾ e.g. 100 🗑️



🔍 Search...

- = Equals
- ≠ Does not equal
- > Greater than
- < Less than
- ≥ Greater than/equ...
- ≤ Less than/equal to
- <> Is between
- ↔ Is not between
- ⊘ Is null/empty
- Not null/empty

Updated visuals

Enrollment and SCH available directly on the economics Scorecard



Updated visuals

The matrix can toggle between total values and per SCH measures

Measures: Totals **Per SCH** Pivot Table Metric: SCH Net Revenue **Instructional Cost** Contribution

Program Area: College Department

Programs: **College of Arts and Sciences**

	Total	Art	Biology	Chemistry & B...	College Success	English & Wor...	History	Honors	Interdisciplinary	Media Commu...	Music	Philosophy an...	Political Science	Psychology	Social Work
Art	\$131	\$114	\$81		\$114	\$180	-			\$226	\$806	-		\$123	
Art (Bachelor's)	\$159	\$124	\$73		\$118	\$217	-			\$226	\$1,690				
Art Teacher Education (Ba.	\$96	\$93	\$71		\$104	\$115									\$91
Art Therapy (Bachelor's)	\$119	\$112	\$99		\$115	\$148					\$143	-		\$126	
Biology	\$158	\$79	\$205	\$268	\$132	\$102	-	-		\$210	\$284	\$43	\$391	\$65	
Biology (Bachelor's)	\$153	\$79	\$194	\$270	\$127	\$97	-			\$227	\$192	\$43	\$255	\$62	
Environmental Science (B..	\$186	\$90	\$264	\$262	\$160	\$142			-	\$113	\$399		\$527	\$136	

New benchmarking metrics

Understand how your instructional volume compares to other institutions

Efficiency Comparison: Client vs. Sample

	Client	Sample Avg per Institution	Client per FTE Student	Sample Avg per FTE Student
Number of Sections	1,162	2,243	0.77	0.33
Number of Courses	566	886	1.87	1.31
Number of Programs	34	72	0.02	0.01

This illustrative client has half the number of students per program as the sample

New benchmarking metrics

Compare metrics by Carnegie Classification

Carnegie Classification Baccal... ^

Search...

Baccalaureate Colleges: Arts & Sciences Focus ✓

Baccalaureate Colleges: Diverse Fields ✓

Baccalaureate/Associate's Colleges ✓

Cost per SCH by Sector and Size



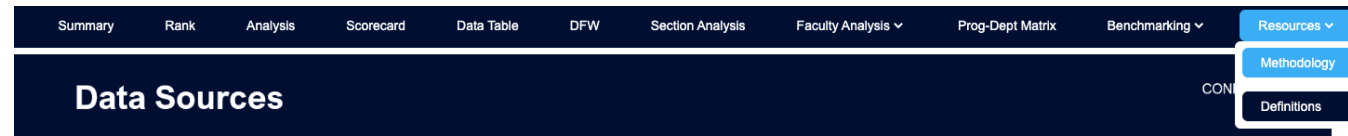
New benchmarking metrics

Identify if sections that serve one program could be driving up your cost per SCH

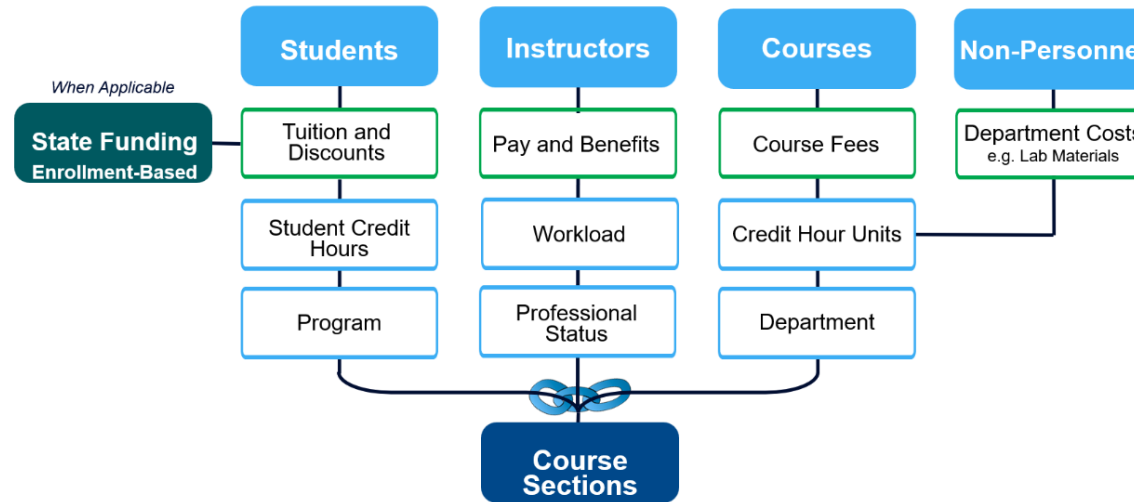
Program	Share of Sections 50%+ In-Major Only, Client	Share of Sections 50%+ In-...	Cost per SCH, % Differ... ↓	Cost per SCH, Client	Cost per SCH, Sample
Data Analytics, Master's	80%	71%	305%	\$1,009	\$249
Social Sciences, Bachelor's	8%	10%	193%	\$315	\$108
Public Health, Master's	95%	90%	141%	\$850	\$353
BSN Nursing, Bachelor's	91%	63%	66%	\$318	\$192
Kinesiology and Exercise Science, Master's	100%	90%	65%	\$552	\$334
Human Services, Bachelor's	87%	34%	61%	\$175	\$109
Public Administration, Master's	50%	76%	59%	\$526	\$332
Business Admin/Mgmt, Master's	78%	92%	52%	\$316	\$208

In-app methodology overview

Easily refresh yourself on how the model is constructed



The data model is centered on course sections: the students enrolled, and the instructors teaching.



Upgraded Economics Agent

Answers more complex questions

Economics AI Agent
⌵ ⌵

What subject areas have the largest opportunity for cost savings?

Based on the most recent academic period (2024-25), the subject areas with the largest opportunity for cost savings are those with the highest instructional cost per student credit hour. These areas are identified as follows:

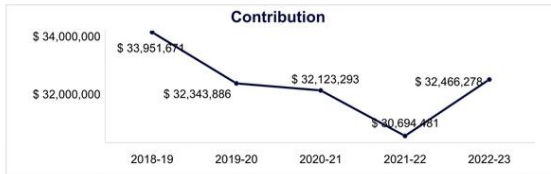
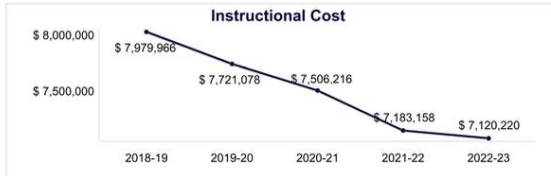
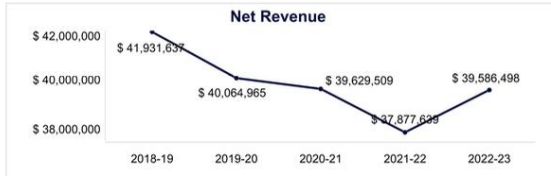
Subject Area	Cost per SCH (\$)	Academic Year
Professional Legal Studies	\$618	2024-25
Performance Technology	\$574	2024-25
Theater	\$467	2024-25
Music	\$420	2024-25
Communication	\$340	2024-25
Journalism	\$334	2024-25
Chemistry	\$315	2024-25
Public Relations	\$277	2024-25
Social Work	\$276	2024-25

Reports

Email yourself a summary report (with many others to come!)

Instructional Economics Trends: Totals

Gross Revenue **\$64M** ↑6.0% Discounts **\$24M** ↑8.4% Net Revenue **\$40M** ↑4.5% Instructional Cost **\$7M** ↓-0.9% Contribution **\$32M** ↑3.0%



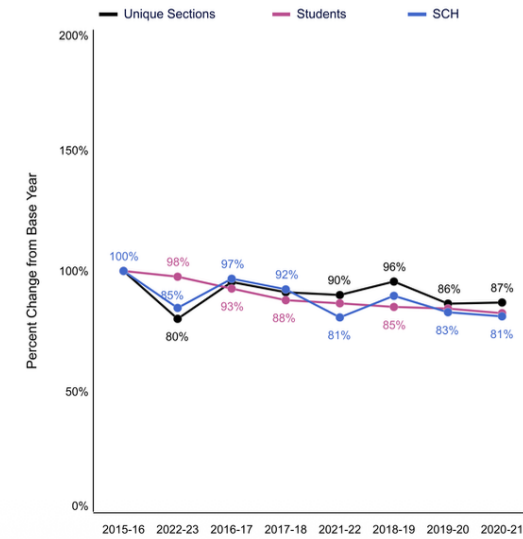
Instructional Economics: Over Time

	2019	2020	2021	2022	2023
- Students	3,811	3,781	3,695	3,878	4,372
- Student Credit Hours	72,723	67,195	65,820	65,468	66,641
- Gross Revenue per SCH	\$ 855	\$ 913	\$ 942	\$ 918	\$ 927
- Discount per SCH	\$ 279	\$ 317	\$ 340	\$ 339	\$ 351
- Net Revenue per SCH	\$ 577	\$ 596	\$ 602	\$ 579	\$ 577
- Contribution per SCH	\$ 467	\$ 481	\$ 488	\$ 469	\$ 473
- Instructional Cost per SCH	\$ 110	\$ 115	\$ 114	\$ 110	\$ 104
- Instructional Cost per Section	\$ 3,937	\$ 4,212	\$ 4,073	\$ 3,763	\$ 4,188
- DFW%	10.0%	10.5%	13.1%	13.7%	13.9%

- "Yearly Trends": Student enrollment appears to fluctuate year over year, with a notable increase in 2023.
- "Student Credit Hours": Credit hours show a decreasing trend from 2019, stabilizing around 2022 and 2023.
- "Gross Revenue Analysis": Gross revenue fluctuated, peaking in 2023, indicating potential growth in financial performance.
- "Discounts Offered": There seems to be a consistent pattern in discounts over the years, remaining relatively stable.
- "Net Revenue Per Student Credit Hour": Net revenue per credit hour demonstrates slight growth, suggesting improved efficiency or increased tuition rates.
- "Instructional Costs": Instructional costs appear to be increasing, particularly noticeable in 2021 and beyond.
- "DFW Percentage": The percentage of DFW (Did-Not-Finish or Withdraw) students shows a gradual increase, indicating possible concerns regarding student retention.

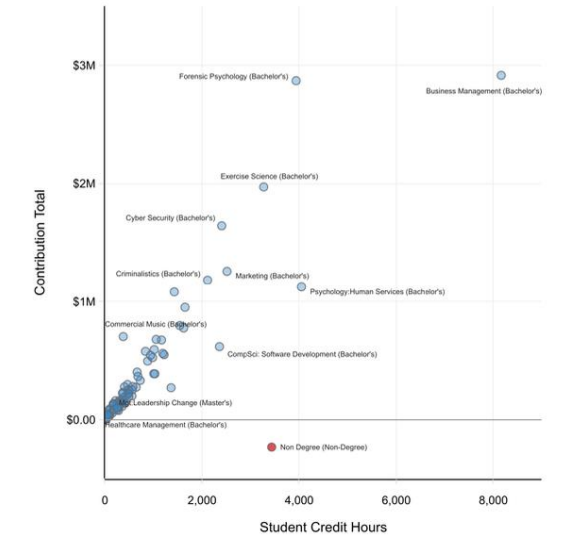
Instructional Economics: Change from Base Year

Percent Change in Instructional Volume



Program Portfolio Distribution

Size (SCH) vs. Contribution Total (\$) Academic Year 2022 - 23



The background features a dark blue gradient with several bright blue light beams originating from the top left corner and fanning out across the frame. The text is centered horizontally and vertically.

Management Dashboard

Management Dashboard

The update includes:

- Simpler interface to update program review information
- Reports

Simplified interface

Easily update the Mission Fit and Goals & Actions for each program

Forensic Psychology (Bachelor's) ▾
2025 ▾

Mission

Program Evaluation

Mission Evaluation

Reviewed by

Program Director

Chair

Dean

Provost

Mission

Academic Focus

Students Served

Community Impact

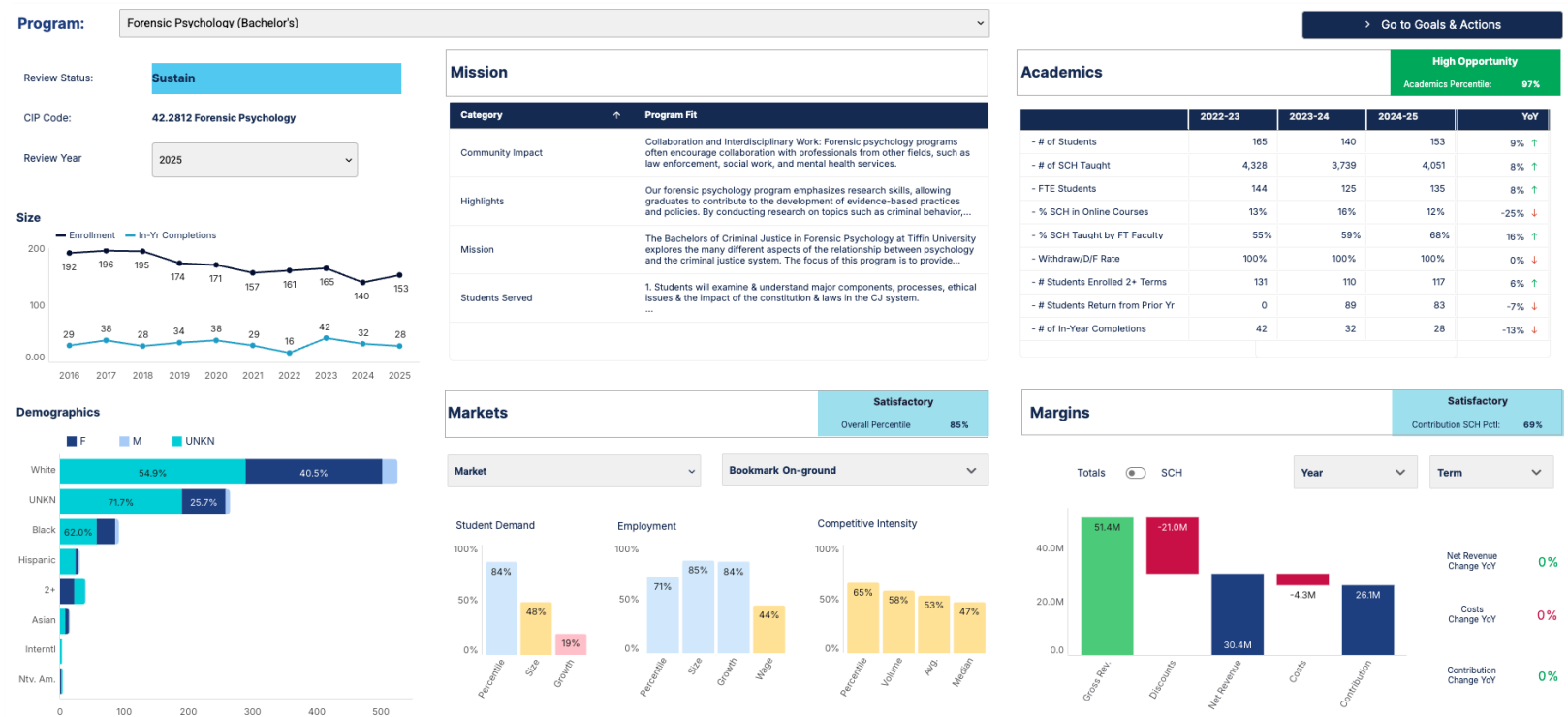
Highlights

[+ Insert Goal](#)

#	Goal	Action	Comment	Status	Input Date	Completion Date
1	Foster interdisciplinary collaboration with adjacent fields including Cyber Security, UAS Technology, AI Capabilities, Digital Forensics, and other relevant disciplines.	Collaboration between schools and departments on campus.	-	In Progress	-	-

Reports

Email yourself the entire portfolio, or select program dashboards





Predict Program Size

Predict Program Size

The update includes:

- Predict Program Size
 - More Current Programs
 - New Additions

- Pro Forma Financials
 - Improved Methodology
 - Inventory Management
 - Default Values Control
 - Reports

Predict Program Size

New UI and Functionality

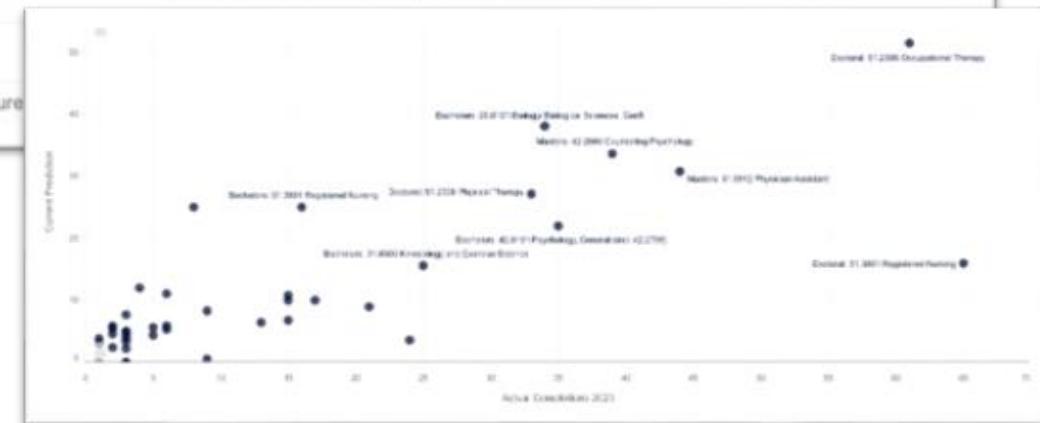
- New Programs
 - Still the same robust view

- Current Programs
 - Added Different Modality Prediction
 - Added a Mature vs. Not-Mature Indicator
 - New Program Portfolio Matrix Chart

Current Programs

Maturity Indicator	Current Program	Current Modality	Predicted Size Range	Predicted Completions	Actual Completions 2023	Predicted Minus Actual ↓	As New Predicted Both Mod	As New Predicted Onground Mod	As New Predicted Online Mod
Current Mature	Bachelors: 31.0505 Kinesiology and Exercise Science	Both	Small: 10-24	16	25	-9	-	12	13
Current Mature	Doctoral: 51.2306 Occupational Therapy	On Ground	Medium: 25-74	51	61	-10	51	-	52
Current Mature	Bachelors: 04.0501 Interior Architecture								

Maturity Indicator	Current Program	Current Modality
Current Mature	Masters: 30.3301 Sustainability Studies	Both
Current Mature	Doctoral: 42.0101 Psychology, General (incl. 42.2799)	Both
Not Mature		
Current Mature		



Pro Forma Financials

Improved Methodology and Performance

- New Faculty Hirings

Initial Hiring Needs

<p>Who Will Teach New Courses</p> <div style="border: 1px solid gray; padding: 2px; width: 100%;">New Hires</div>	<p>New FT Faculty Salary</p> <div style="border: 1px solid gray; padding: 2px; width: 100%;">\$100,000</div>	<p>Adjunct Pay Per Course</p> <div style="border: 1px solid gray; padding: 2px; width: 100%;">\$3,500</div>															
<p><small>Input how many new full-time faculty you will hire by year.</small></p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 12.5%;">Year 0</td> <td style="width: 12.5%;">Year 1</td> <td style="width: 12.5%;">Year 2</td> <td style="width: 12.5%;">Year 3</td> <td style="width: 12.5%;">Year 4</td> <td style="width: 12.5%;">Year 5</td> <td style="width: 12.5%;">Year 6</td> </tr> <tr> <td><input type="text" value="0"/></td> <td><input type="text" value="1"/></td> <td><input type="text" value="0"/></td> <td><input type="text" value="0"/></td> <td><input type="text" value="1"/></td> <td><input type="text" value="0"/></td> <td><input type="text" value="0"/></td> </tr> </table>				Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6											
<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>											

- What-If Analysis
 - Sandbox for creating what-if scenarios without changing the original pro forma

Pro Forma Financials

Inventory Management

Time Created	Created By	Cipcode	Awf	Modality	Proforma Name	Select
2026-03-11 05:20	youssef.aljabi@graydi.us	51.0401 Dentistry	Doctoral	On-Ground	Dentistry - Doctoral Degree for 2027 (v1)	Select
2026-03-04 20:38	youssef.aljabi@graydi.us	44.0701 Social Work	Bachelors	On-Ground		Select
2026-02-26 16:47	michael.hunter@graydi.us	51.0401 Dentistry	Doctoral	Both	Demo	Select
2026-02-25 18:23	michael.hunter@graydi.us	51.2314 Rehabilitation Science	Bachelors	On-Ground	Test	Select

Please Select A Pro Forma

CIP Code: 01.0901 Animal Sciences, General
Award Level: Bachelors

 Dashboard

 Email Report

 Edit

 Build or Buy

Pro Forma Financials

Default Values Control

*Only a school's admin can change the default values.

Input Timestamp	Input Metric	Input Value	Submit	Saved Value
2026-03-07 00:32:57	ADJUNCT_COST_PER_COURSE	3000	<input type="button" value="Apply Changes"/>	3000
2026-02-12 01:13:19	ADJUNCT_SHARE_FACULTY	0.5	<input type="button" value="Apply Changes"/>	0.5
2026-02-12 01:13:36	BVB_ADMIN_COVERED_BY_PROVIDER	0.55	<input type="button" value="Apply Changes"/>	0.55
2026-02-11 15:38:31	BVB_MARKETING_COVERED_BY_PROVIDER	0.5	<input type="button" value="Apply Changes"/>	0.5
2026-02-11 15:38:31	BVB_PROVIDER_COST_INCREASE_RATE	0.05	<input type="button" value="Apply Changes"/>	0.05
2026-02-11 15:38:31	BVB_PROVIDER_COST_PER_COURSE	450	<input type="button" value="Apply Changes"/>	450
2026-02-11 15:38:31	BVB_PROVIDER_CREDITS_PER_COURSE	3	<input type="button" value="Apply Changes"/>	3
2026-02-11 15:38:31	BVB_PROVIDER_REVENUE_SHARE	0.2	<input type="button" value="Apply Changes"/>	0.2
2026-02-11 15:38:31	BVB_PROVIDER_SUBSCRIPTION	20000	<input type="button" value="Apply Changes"/>	20000
2026-02-11 15:38:31	BVB_PROVIDER_SUBSCRIPTION_INCREASE_RATE	0.05	<input type="button" value="Apply Changes"/>	0.05
2026-02-11 15:38:31	BVB_PROVIDER_TYPE	0	<input type="button" value="Apply Changes"/>	0
2026-02-11 15:38:31	BVB_WHO_COVERS_ADMIN_COST	2	<input type="button" value="Apply Changes"/>	2
2026-02-11 15:38:31	BVB_WHO_COVERS_MARKETING	2	<input type="button" value="Apply Changes"/>	2
2026-02-11 15:38:31	COST_TO_CREATE_COURSE	10000	<input type="button" value="Apply Changes"/>	10000
2026-02-11 15:38:31	COST_TO_MODIFY_COURSE	1000	<input type="button" value="Apply Changes"/>	1000
2026-02-11 15:38:31	COUNT_COURSES_TO_CREATE	5	<input type="button" value="Apply Changes"/>	5

Pro Forma Financials

Reports





Program Remix

Program Remix

The update includes:

- New UI
- New Reporting Capabilities
- All-New Program Remix Advisor *Beta*

Program Remix

New UI

New Programs Suggested

Program ID	Program Name	Clp Code	Award Level ↑	Total Credits	Existing Courses	New Courses	
872	Bachelor of Science in Journalism	09.0401	Bachelor's	120	8	1	Select
317	Bachelor of Science in Game and Interactive Media Design	11.0804	Bachelor's	120	7	3	Select
748	Bachelor of Science in Mechatronics and Robotics Engineering	14.4201	Bachelor's	128	8	2	Select
352	Bachelor of Science in Drafting and Design Technology	15.1301	Bachelor's	120	7	2	Select
539	Bachelor of Science in Criminalistics and Criminal Science	43.0106	Bachelor's	120	8	2	Select
920	Bachelor of Science in Community Organization and Advocacy	44.0201	Bachelor's	120	7	2	Select
580	Bachelor of Science in Human Resources Management	52.1001	Bachelor's	120	7	3	Select
457	Bachelor of Science in International Business	52.1101	Bachelor's	120	8	2	Select
746	Master of Science in Higher Education Administration	13.0406	Master's	36	6	3	Select
857	Master of Arts in Creative Writing	23.1302	Master's	36	6	3	Select
770	Master of Science in Biotechnology	26.1201	Master's	32	7	2	Select
948	Master of Science in Human-Computer Interaction	30.3101	Master's	30	5	3	Select
852	Master of Science in Cyber Forensics and Counterterrorism	43.0116	Master's	30	6	2	Select
627	Master of Science in Crisis and Emergency Management	43.0302	Master's	30	7	1	Select

New Courses Needed

Course Code	↑ Course Title	Course Credits	Course Level
BSC 6450	Methods in Biotechnology	4	Graduate
Bcn 3251C	Building Information Modeling...	3	Upper-level undergraduate
CIS 6330	Digital Forensics	3	Graduate
CIS 6331	Network Forensics and Count...	3	Graduate
CIS 6710	Foundations of Human-Comp...	3	Graduate
CIS 6711	User Experience Research a...	3	Graduate
CIS 6712	Interaction Design and Protot...	3	Graduate

Existing Courses Reused

Course Code	↑ Course Title	Course Credits
ADE 6385	The Adult Learner	3
ARC 2131C	Architectural Design 1	4
ART 2201C	Concepts and Practices I	3
ART 2301C	Beginning Drawing	3
BSC 2010	Biology I Cellular Processes	3
BSC 6456C	Biometry	4
BSC 6460	Graduate Skills in Rinnov...	3

Report

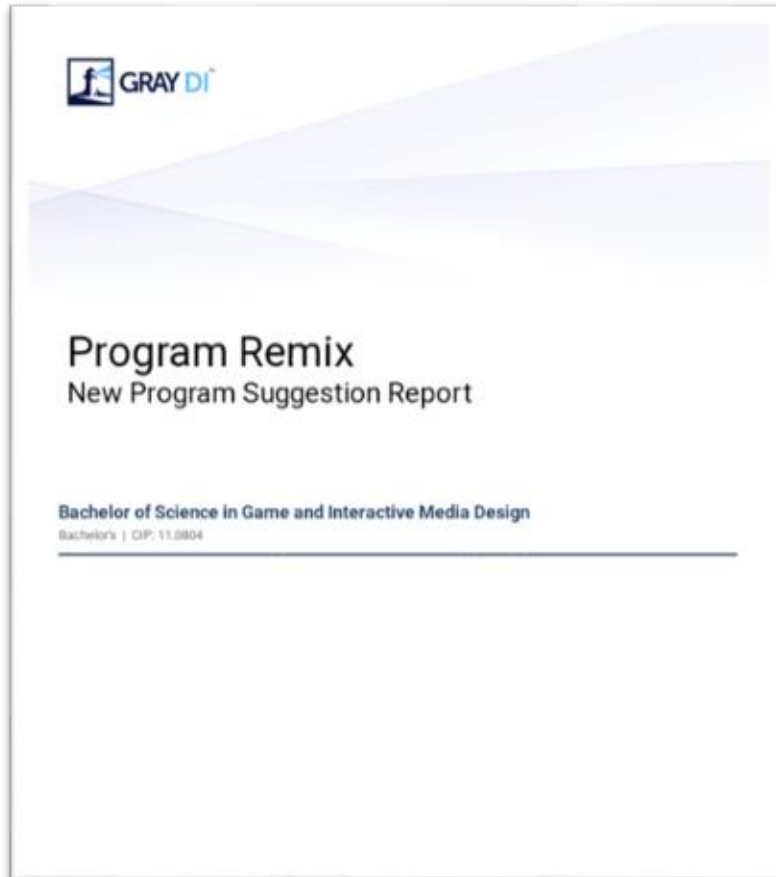
Please Select a Program From The Table Above

✉ Email Report

AI

Program Remix


Reports



GRAY DI™

Program Remix
New Program Suggestion Report

Bachelor of Science in Game and Interactive Media Design
Bachelor's | CIP: 11.0804



GRAY DI™

Bachelor of Science in Game and Interactive Media Design
Bachelor's | CIP: 11.0804

DIG 3715C – Game Engine Development I – 3 Credits
Course Description: An introduction to real-time 2D and 3D game development using a modern game engine like Unity. Students will learn the fundamentals of the engine's interface, scripting (C#), physics, animation, and UI systems to create several small game projects.

Learning Outcomes:

- Navigate the interface of a modern game engine to assemble game scenes.
- Write basic scripts to control game object behavior and player input.
- Implement fundamental game systems such as physics, animation, and user interface.
- Package and build a playable game for a target platform.

DIG 3715C – Game Engine Development I – 3 Credits
Course Description: An introduction to real-time 2D and 3D game development using a modern game engine like Unity. Students will learn the fundamentals of the engine's interface, scripting (C#), physics, animation, and UI systems to create several small game projects.



GRAY DI™

Bachelor of Science in Game and Interactive Media Design
Bachelor's | CIP: 11.0804

RT 2201C – Concepts and Practices I – 3 Credits
Justification for Reuse: Introduces students to the principles of 2D and 3D design, which are directly applicable to level and character design.

RT 2301C – Beginning Drawing – 3 Credits
Justification for Reuse: Establishes foundational artistic skills in form, perspective, and composition that are essential for concept art and asset creation.

EN 4020 – Software Engineering – 3 Credits
Justification for Reuse: Teaches the project management and team collaboration skills necessary for working on large, complex software projects like video games.

OP 2510 – Programming Concepts – 3 Credits
Justification for Reuse: Provides the absolute fundamental programming logic required before learning game-specific scripting languages.

OP 3514 – Program Design – 3 Credits
Justification for Reuse: Develops object-oriented programming skills, which are the paradigm used by major game engines like Unity and Unreal.

IG 3873 – Introduction to 3D Animation – 3 Credits
Justification for Reuse: Provides a direct introduction to the 3D modeling and animation software and workflows used in game development.

Program Remix Advisor

An AI-powered program development advisor that combines your institution's data with real market intelligence to guide strategic curriculum decisions through conversation.

▪ What It Offers

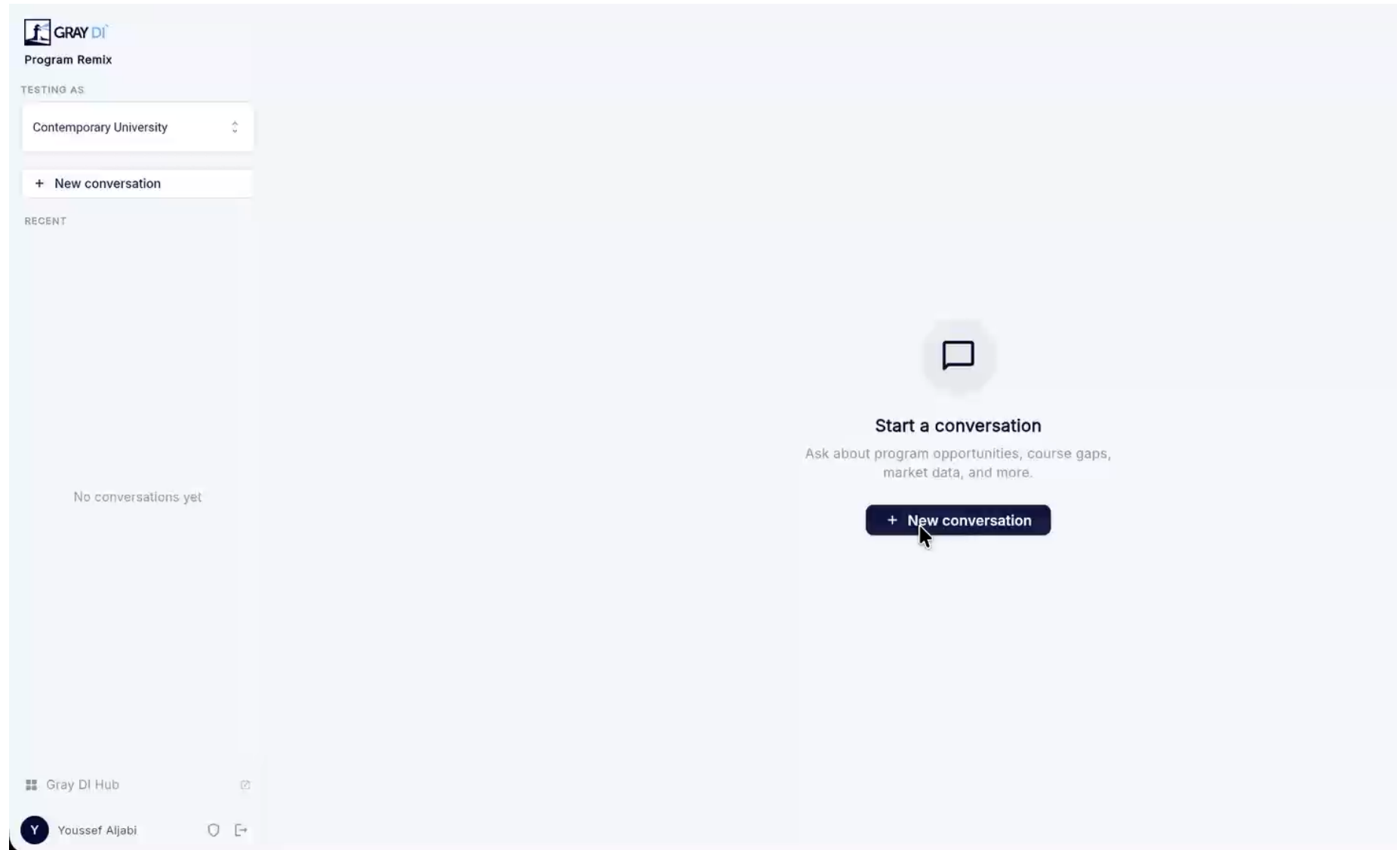
- Real-time analysis of program gaps, market demand, and curriculum reuse opportunities
- Answers grounded in your actual catalog, courses, and strategic plan with source citations
- Regional Gray DI Markets data
- Similarity and cannibalization risk flagging before you invest

▪ Benefits

- Compresses months of research into minutes
- Reduces time-to-launch by surfacing existing courses that can be repurposed
- Empower data-informed decisions
- Fully isolated so your data stays yours

Remix Advisor

In Action



The screenshot displays the Gray DI Program Remix interface. On the left, a sidebar contains the Gray DI logo, the text "Program Remix", a "TESTING AS" dropdown menu set to "Contemporary University", a "+ New conversation" button, and a "RECENT" section with the text "No conversations yet". The main area features a large speech bubble icon, the heading "Start a conversation", the text "Ask about program opportunities, course gaps, market data, and more.", and a prominent "+ New conversation" button. At the bottom, a footer shows "Gray DI Hub" and a user profile for "Youssef Aljabi".



2026 Master Class Series: Make Better Academic Program Decisions

<https://www.graydi.us/2026-master-class-series>

