IJVU. IJATA IJSUMIT

Making Better Program
Decisions Using Gray Decision
Intelligence (Gray DI)
Software

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Access to Gray DI

- A Record of Internal Data
 Sharing Agreement was
 developed in alignment with
 UVU Policy 445.
- Access was granted by role.
- UVU's Data Governance Committee approved this agreement.

Title	Role (Justification)	System Roles/Functions							
		Admin	Read	Write	Privileged Access to Faculty Table, Faculty Analysis, and Instructor Workloads				
Registrar, FERPA Officer	Data Steward	Ν	Y	N	N				
Sr. Director – Budget Office	Data Steward	N	Υ	N	Υ				
Vice President of Finance and Auxiliary Services	Data Owner, Executive	N	Y	N	Y				
Associate Vice President Finance/GRAMA	Data Trustee, Executive	N	Y	N	N				
Controller – Finance/Business Services	Data Steward	N	Y	N	N				
Sr. Director HRIS/Records	Data Steward	N	Υ	N	N				
Provost and Sr. VP for Academic Affairs	Data Owner, Executive	N	Y	N	Y				
Sr. Associate Provost for Academic Programs, Assessment, & Accreditation	Data Trustee; Executive	N	Y	N	Y				
Sr. Director for Academic Planning and Effectiveness	Data Steward; Academic Planning and Program Review	N	Y	N	Y				
Director for Office of Accreditation and Academic Assessment	Academic Planning and Program Review	N	Y	N	Y				
Academic Dean	Academic Planning and Program Review	N	Y	N	Y				
Academic Associate Dean	Academic Planning and Program Review	N	Y	N	Y				
College/School Assistant to the Dean	Assistant to the Dean; Budget Support	N	Y	N	Y				
Director — Business Intelligence and Research Services, Data Privacy Officer	Data validation and support	N	Y	N	Y				





Market Area – National, Western U.S., Utah, 80 miles from Campus, 40 miles from Campus, Service Region, Online?

Student Demand – What students graduate in, enroll in, and search for?

Employment Demand – CIPs and SOCs, Crosswalks, what graduates really do, are there jobs, how much do they pay?

Competitive Intensity – How much competition is there, who are my competitors, are me a drop in the ocean or a battleship, how much will it cost to attract students?

Degree Fit – Is the program at the right degree level, what are the opportunities for scaffolding?

Mission— Is it within our mission?





- Publicly available
 - IPEDS
 - BLS
 - ACS
 - State Workforce Data
 - Google Search Volume
 - Google Competitive Index
 - Google Cost per Click

- Proprietary
 - National Student Clearinghouse
 - Benchmark Data
 - Employer Career Websites
 - Indeed.com
 - Coursera
 - Udemy
 - StudyPortals.com
 - UVU data





- Gross Revenue = What a student pays us (tuition).
- Discount = Scholarships and grants (waivers) a student receives directly form UVU.
- Net Revenue = Gross Revenue Discount
- Instructional Costs = Instructor Salary + Benefits
- Contribution = Net Revenue Instructional Costs
- SCH = Student Credit Hours





- Everything happens at the section level and rolls up.
- Professor X has a section with 10 students. The class is worth 3
 Credit Units. Professor X gets credit for providing 30 SCH of instruction.
- Each student has paid for 3 SCH of instruction for the course.



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Questions the Data Can Answer

What New Program Should We Offer?

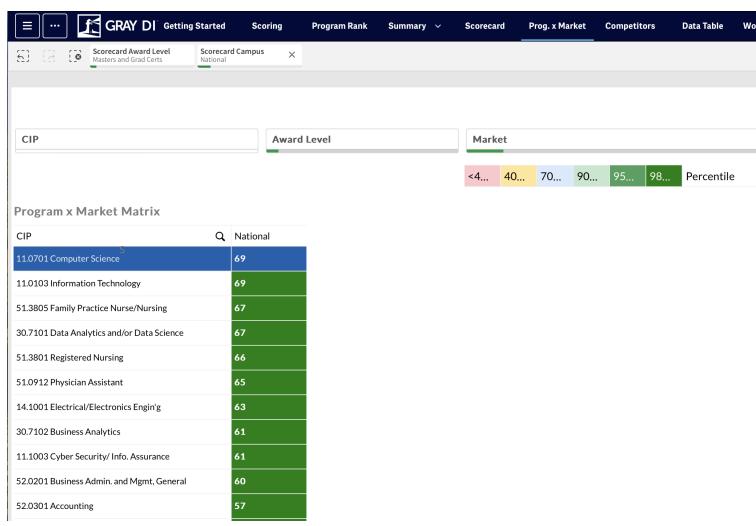
Tool: Markets

Tab: Prog. x Market

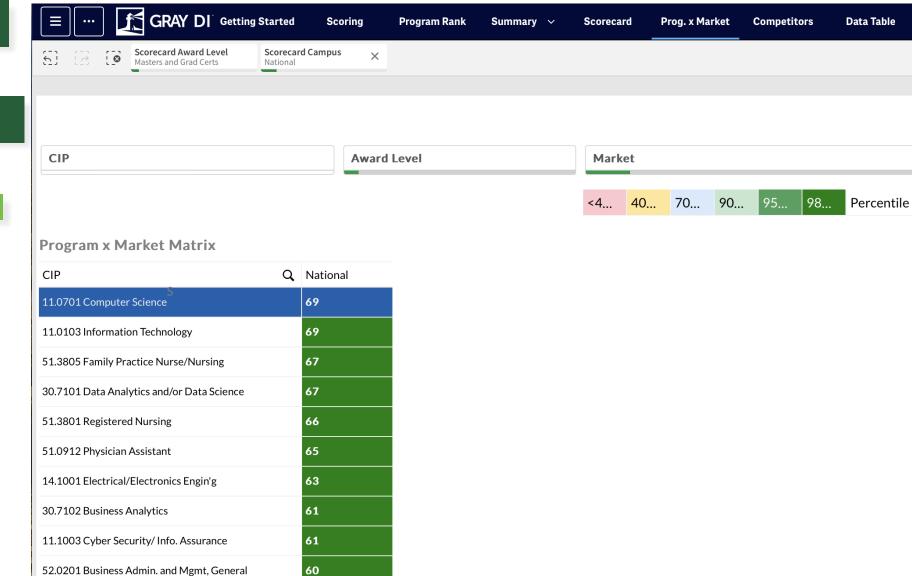
Rubric: <Select>

Market Area: <Select>

Award Level: <Select>







57

52.0301 Accounting



CIP

Award Level

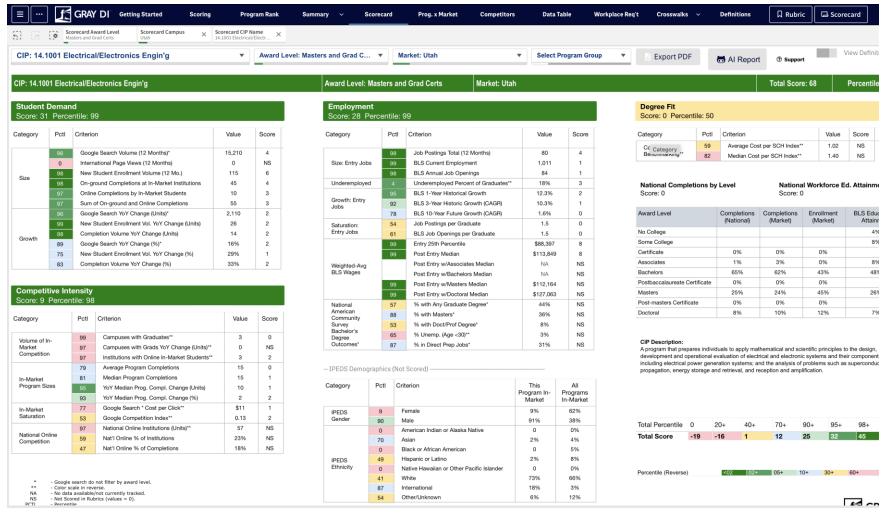
Market

<4... 40... 70... 90... 95... 98... Percentile

Program x Market Matrix

CIP	Q	National
11.0701 Computer Science		69
11.0103 Information Technology		69
51.3805 Family Practice Nurse/Nursing		67
30.7101 Data Analytics and/or Data Science		67
51.3801 Registered Nursing		66
51.0912 Physician Assistant		65
14.1001 Electrical/Electronics Engin'g		63
30.7102 Business Analytics		61
11.1003 Cyber Security/ Info. Assurance		61
52.0201 Business Admin. and Mgmt, General		60
52.0301 Accounting		57

Scorecard





Report

The academic program in Utah excels with high student demand and employment outcomes but faces intense competition.

Overview

National Completions at 6,497 rank in the 98th percentile, while the Sum of On-ground and Online Completions in Utah is at 55, placing in the 97th percentile. The program's greatest strength lies in its robust Student Demand, evidenced by a Google Search Volume of 15,210 (96th percentile), and strong Employment prospects with an Entry Level Salary at \$88,397 (99th percentile). However, Competitive Intensity is high with three Campuses with Graduates (99th percentile), indicating a challenging market environment.

Student Demand

The program's Student Demand is notably strong, with a Google Search Volume of 15,210 ranking it in the 96th percentile among all programs. Additionally, the Google Search YoY Unit Change shows a significant increase of 2,110 (96th percentile), suggesting growing interest. The New Student Enrollment Volume stands 115, placing it in the top tier at the 98th percentile. This upward trend is further supported by a New Student Enrollment Volume YoY Percentage Change of 29%, which ranks in the 75th percentile. However, while these figures are promising, they must be balanced against the competitive landscape and job market saturation to ensure sustainable growth.

Employment

Employment prospects for graduates are exceptional with an Entry Level Salary valued at \$88,397 and ranking in the highest echelon at the 99th percentile. Advancement opportunities also appear favorable as indicated by a Post Entry Level Median Salary of \$113,849 (99th percentile). The Job Postings per Graduate ratio is moderate at 1.5 (54th percentile), suggesting a balanced job market. Growth projections are positive with BLS data showing a one-year historical growth rate of 12% (95th percentile) and a three-year rate of 10% (92nd percentile). However, there is room for improvement as indicated by an Underemployed Percentile of Graduates at 18%, which unfortunately ranks lower at the fourth percentile.

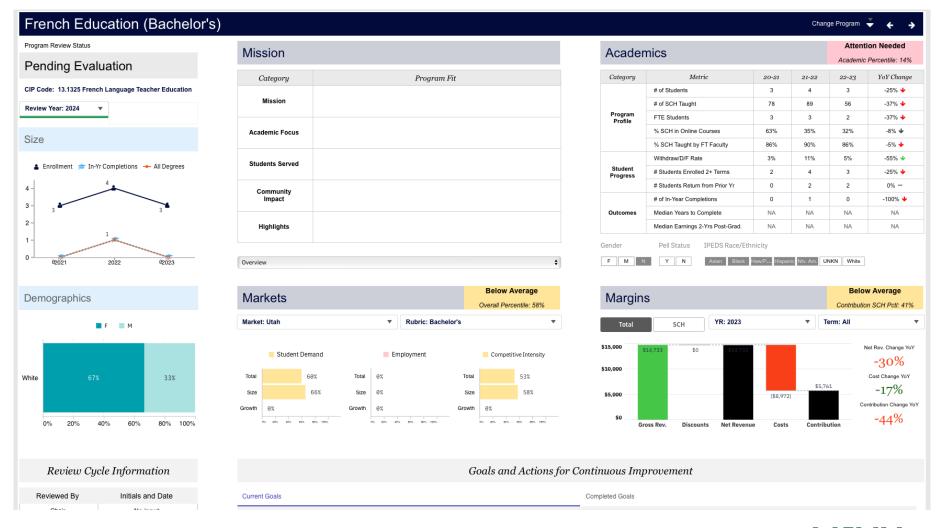


How Is My Program Performing, Compared to Others?

Filter - Market Market: Utah *						PES	Mark	ets				l	Jtah	Valley	/: A	cade	emic \	ear 20	22-23		
Program C		lluation Q tatus	Detail	Market Sort	Google % Change	New Enrollment	New Enroll % Change	Median Program Size	Median Program Size % Change	Enrollment	.al	%	D/F/W Rate*	Graduates	.al	%	Discount Rate*	Contribution	Contribution % Change	Cost per SCH*	Cost So Actual Benchm
Social Work (Bachelor's)		-	<u>Go</u>	291	-1%	148	-14%	68	-7%	395	182	85%	10%	40	-13	-25%	15%	\$1,078,643	143%	\$88	-\$69
rchitecture (Bachelor's)		-	<u>Go</u>	281	1%	102	57%	38	36%	247	73	42%	11%	0	0	-	15%	\$515,916	120%	\$124	-
dusiness Management - Online (Bachelor's)		-	<u>Go</u>	281	1%	1,576	-16%	68	-4%	316	85	37%	14%	24	14	140%	7%	\$934,459	41%	\$83	-\$96
rt and Design (Associate)		-	<u>Go</u>	279	-32%	135	-3%	60	-32%	480	91	23%	13%	15	1	7%	15%	\$1,018,466	38%	\$111	-
pplied Communication (Bachelor's)		-	<u>Go</u>	277	-33%	4	-81%	37	-100%	411	75	22%	10%	55	3	6%	23%	\$996,967	17%	\$105	-
riminal Justice (Associate)		-	Go	277	-13%	325	-9%	36	44%	159	55	53%	16%	3	2	200%	15%	\$516,368	110%	\$75	-
ursing (Bachelor's)		-	Go	275	17%	562	-8%	104	57%	511	65	15%	1%	90	-3	-3%	11%	\$413,951	22%	\$205	\$34
nance (Bachelor's)		-	<u>Go</u>	273	19%	177	-21%	69	8%	841	55	7%	11%	95	-17	-15%	13%	\$2,507,844	6%	\$109	-\$69
oftware Development (Bachelor's)		-	Go	272	-11%	103	-42%	16	12%	146	52	55%	14%	7	0	0%	9%	\$368,480	63%	\$92	-\$61
ealth Care Administration (Bachelor's)		-	Go	271	-4%	74	40%	7	383%	154	43	39%	8%	21	14	200%	11%	\$479,855	37%	\$97	-\$35
rublic Health (Bachelor's)		-	Go	270	8%	163	-18%	16	6%	166	45	37%	5%	26	10	63%	19%	\$451,091	30%	\$98	-\$10
rofessional Pilot (Bachelor's)		-	Go	270	6%	33	32%	105	36%	501	43	9%	13%	49	-11	-18%	5%	\$7,199,157	-2%	\$131	-
lechanical Engineering (Bachelor's)		-	Go	268	40%	472	2%	38	-7%	522	39	8%	13%	49	11	29%	14%	\$1,136,245	11%	\$131	-\$10
Iniversity Studies - Online (Associate)		-	<u>Go</u>	267		6,854	-8%	728	67%	93	40	75%	17%	13	13	-	10%	\$173,603	79%	\$72	-\$31
sychology (Bachelor's)		-	<u>Go</u>	266	-6%	598	-10%	104	12%	2,419	37	2%	11%	319	-11	-3%	15%	\$7,529,981	2%	\$78	-\$84
viation Science (Associate)		-	Go	265	6%	169	19%	64	29%	356	35	11%	18%	3	-4	-57%	11%	\$1,407,622	8%	\$89	-
riminal Justice - Online (Bachelor's)		-	<u>Go</u>	265	-13%	171	-26%	67	86%	138	38	38%	13%	10	-2	-17%	5%	\$380,531	31%	\$86	-
R and Strategic Communication (Bachelor's)		-	<u>Go</u>	265	-24%	13	-7%	22	-	352	38	12%	10%	78	37	90%	19%	\$864,075	0%	\$109	-
oftware Engineering (Bachelor's)		-	<u>Go</u>	261	46%	98	34%	24	9%	291	29	11%	15%	22	-1	-4%	10%	\$810,340	16%	\$95	-
utomation & Electrical Technology (Associate)		-	<u>Go</u>	260	-	23	77%	23	-4%	84	31	58%	16%	7	7	-	10%	-\$91,260	-173%	\$270	-
perations Management (Bachelor's)		-	Go	257	-26%	27	13%	1	-	66	31	89%	6%	5			11%	\$166,099	88%	\$124	-\$33
mergency Services Administration (Bachelor's)		-	Go	257	-25%	26	18%	43	72%	405	22	6%	10%	65		16%	10%	\$785,156	9%	\$125	-
hysician Assistant Studies (Master's)			Go	256	20%	173	21%	56	2%	58	28	93%	0%	0	0		1%	\$1,420,487	174%	\$217	\$25

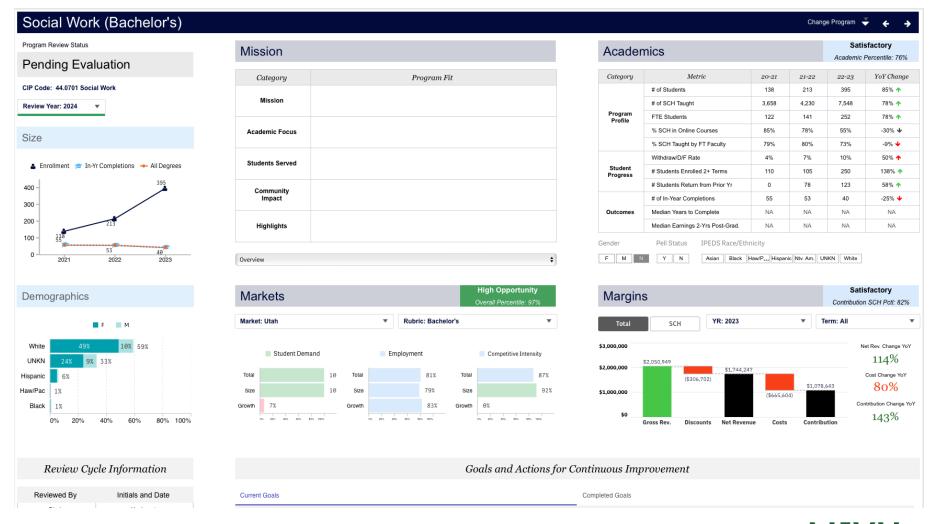


Can I Get a Quick Overview of My Program?



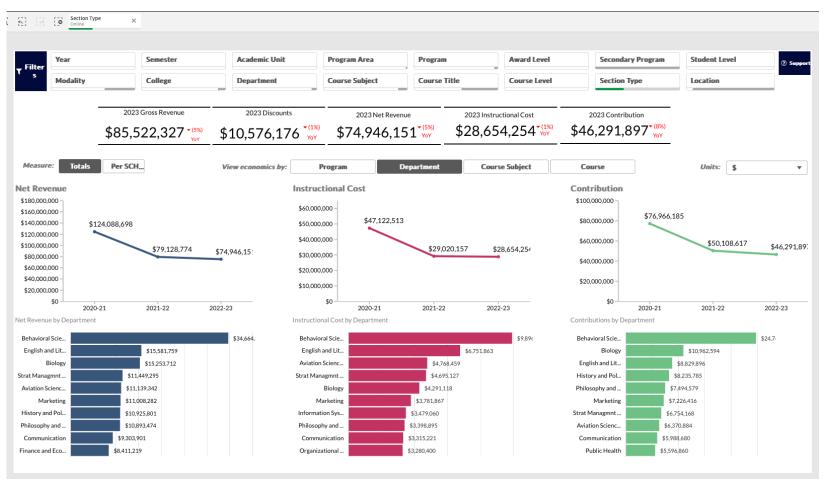


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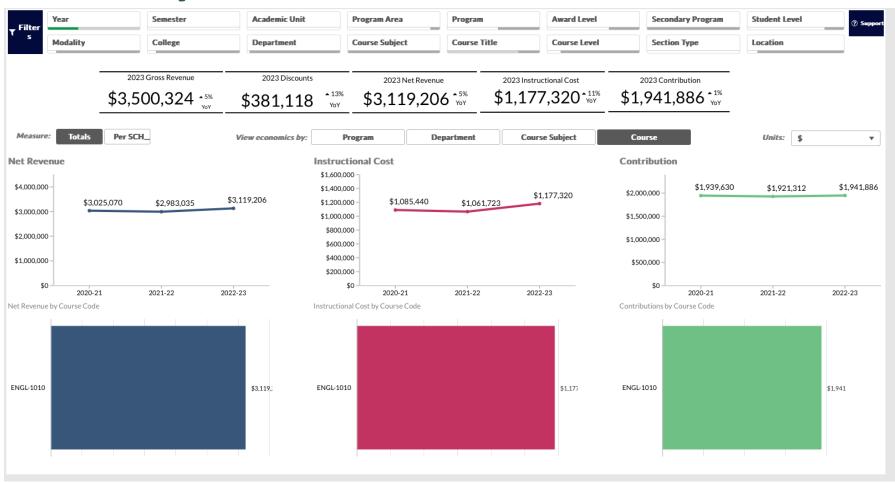


How Much Does Online Instruction Contribute to the University?





How Much Did ENGL 1010 Contribute to the University in Academic Year 2022-2023?

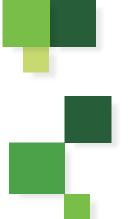






- What question are you trying to answer?
- GrayDI has a lot of data. It maybe overwhelming if only consulted occasionally
- Data can be exported from GrayDI
- Office of Accreditation and Academic Assessment is available to provide group training, one-on-one consultations, custom reports, Power BI Dashboards





For Help or Questions

Contact: Dr. Quinn Koller or Dr. Sam Gedeborg
Academic Programs, Assessment, and Accreditation

