For-Profit Pathways into STEM

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State University of New York at Albany

Workshop on Barriers and Opportunities in
Completing 2- and 4-year Stem Degrees
Irvine, CA
January 22, 2014

Harper's Weekly, 1866

654

THE INTERNATIONAL BUSINESS COLLEGE ASSOCIATION.

WE present in this issue the portraits of the members of Bryant, Stratton. & Co's International Business College Convention, recently assembled in Convention at Cleveland, Ohio. This association of Colleges, as will be seen in the engraving, embraces nearly all the leading cities in the United States...

BRYANT & STRATTON COLLEGE:
Conventions in 1860s attended by politicians, business leaders, educators

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Thinking ahead.

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1892 STRAYER UNIVERSITY

For-Profit Diversity

OWNERSHIP	GEOGRAPHIC SCOPE	AWARDS
Family	Local	Non-degree
		Two-Year
Private Corp	Regional	Four-Year
Public Corp	National	Graduate

Top Fields of Study

Public	Nonprofit	For-Profit
Health Professions & Related Programs	Business, Management, Marketing, & Related Support Services	Health Professions & Related Programs
Liberal Arts & Sciences, General Studies & Humanities	Health Professions & Related Programs	Personal & Culinary Services
Business, Management, Marketing, & Related Support Services	Social Sciences	Business, Management, Marketing, & Related Support Services
Social Sciences	Visual & Performing Arts	Mechanic & Repair Technologies/Technicians
Education	Psychology	Computer & Information Sciences & Support Services

Top Fields of Study

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Health Professions & Related Programs	Business, Management, Marketing, & Related Support Services	Health Professions & Related Programs
Liberal Arts & Sciences, General Studies & Humanities	Health Professions & Related Programs	Personal & Culinary Services
Business, Management, Marketing, & Related Support Services	Social Sciences	Business, Management, Marketing, & Related Support Services
Social Sciences	Visual & Performing Arts	Mechanic & Repair Technologies/Technicians
Education	Psychology	Computer & Information Sciences & Support Services

Completions in STEM Fields

Fields	Public	Nonprofit	For-Profit
Health Professions & Related Programs	401,479	97,544	330,964
Computer & Information Sciences & Support Services	64,906	15,462	38,597
Engineering Technologies & Engineering-related Fields	59,952	4,361	26,088
Engineering	68,353	20,049	382
Biological & Biomedical Sciences	72,452	32,122	201
Science Technologies/Technicians	3,514	188	100
Physical Sciences	23,040	9,021	27
Mathematics & Statistics	15,976	7,811	1
Total	**709,672**	**186,558**	**396,360**
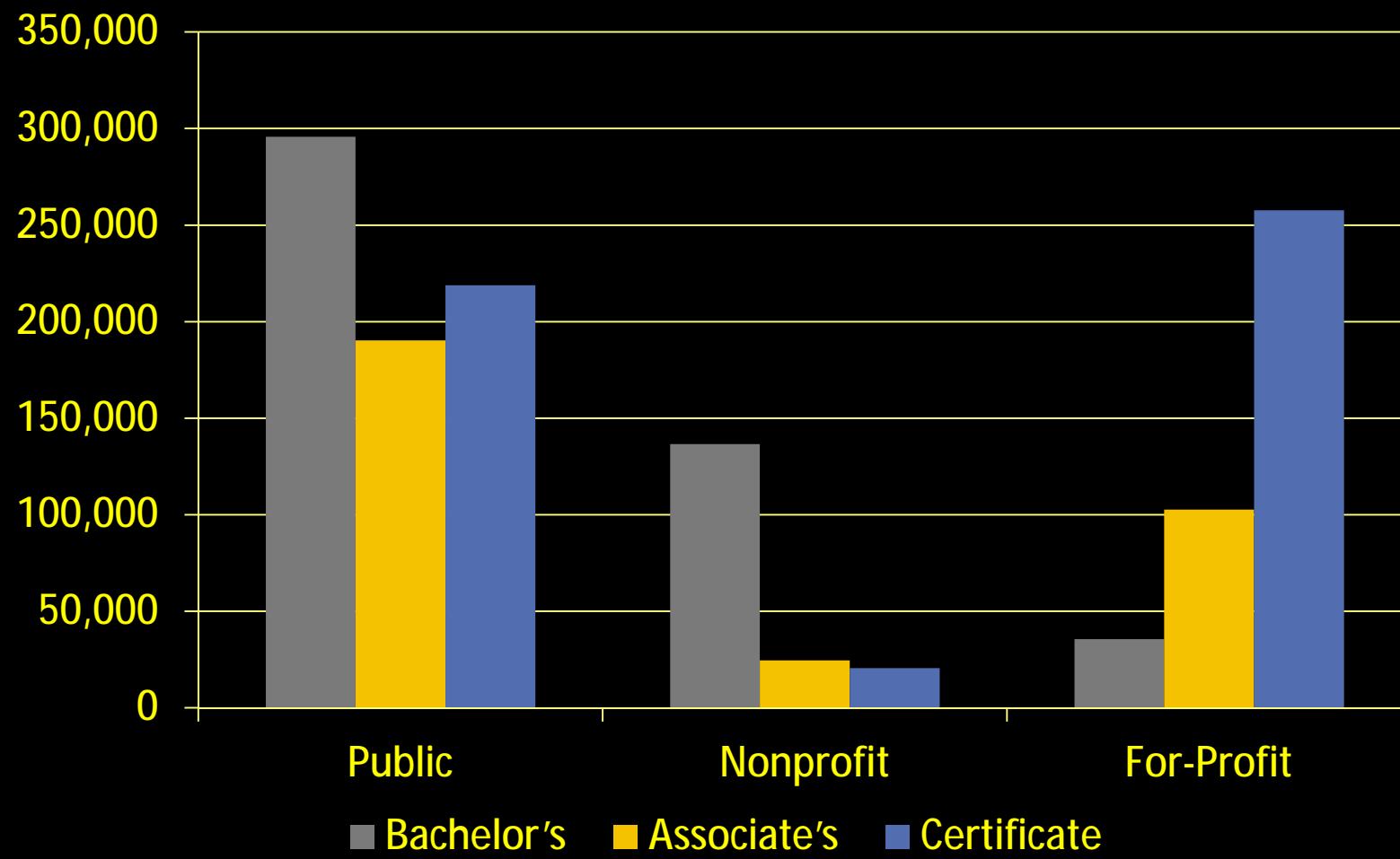
STEM Awards in 4-Year Institutions
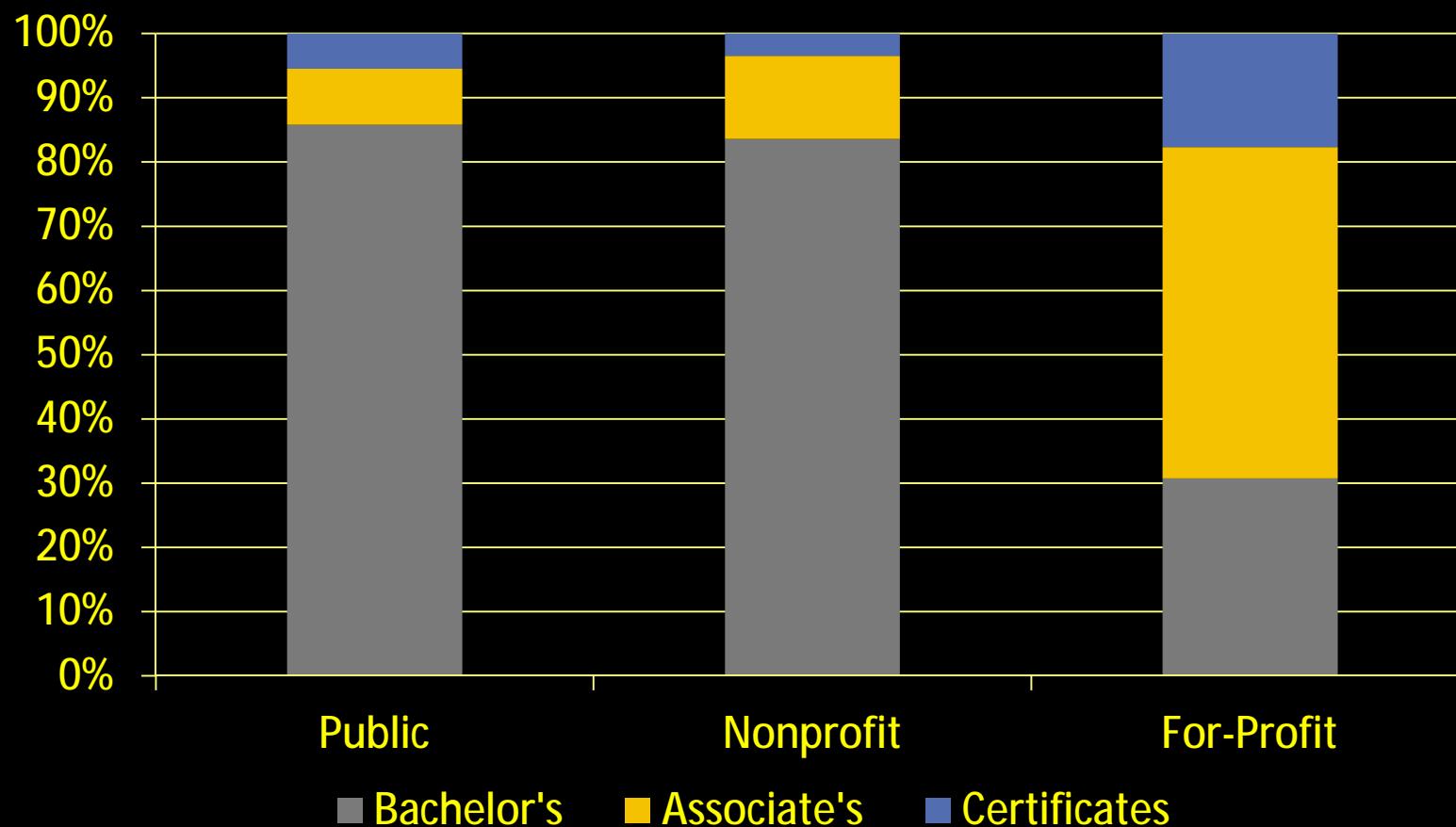
Race/ethnicity in STEM Awards
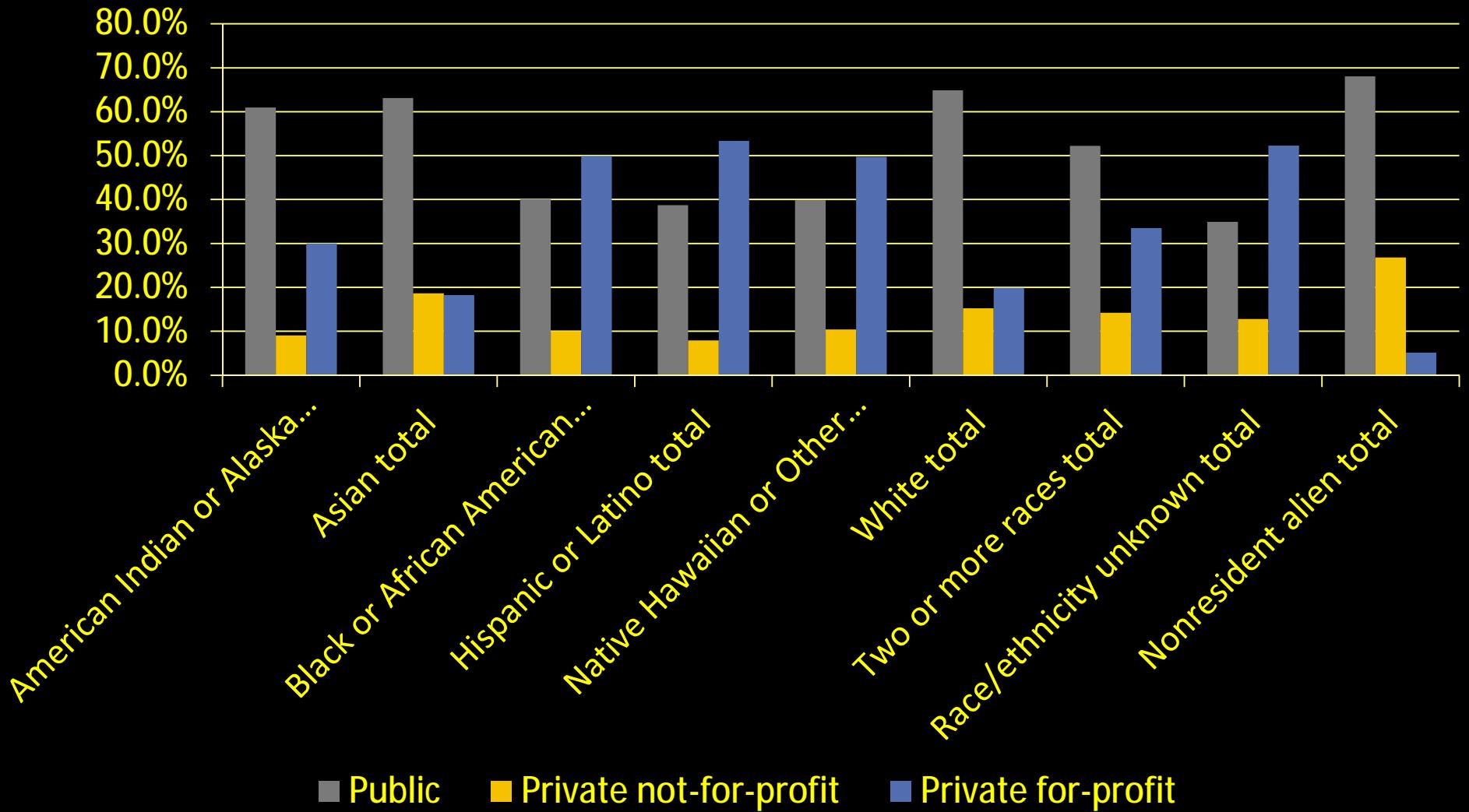
Geographic Urbanization

Legend: Public (gray), Private not-for-profit (yellow), Private for-profit (blue)

Categories: City: Large, City: Midsize, City: Small, Suburb: Large, Suburb: Midsize, Suburb: Small, Town: Fringe, Town: Distant, Town: Remote, Rural: Fringe, Rural: Distant, Rural: Remote
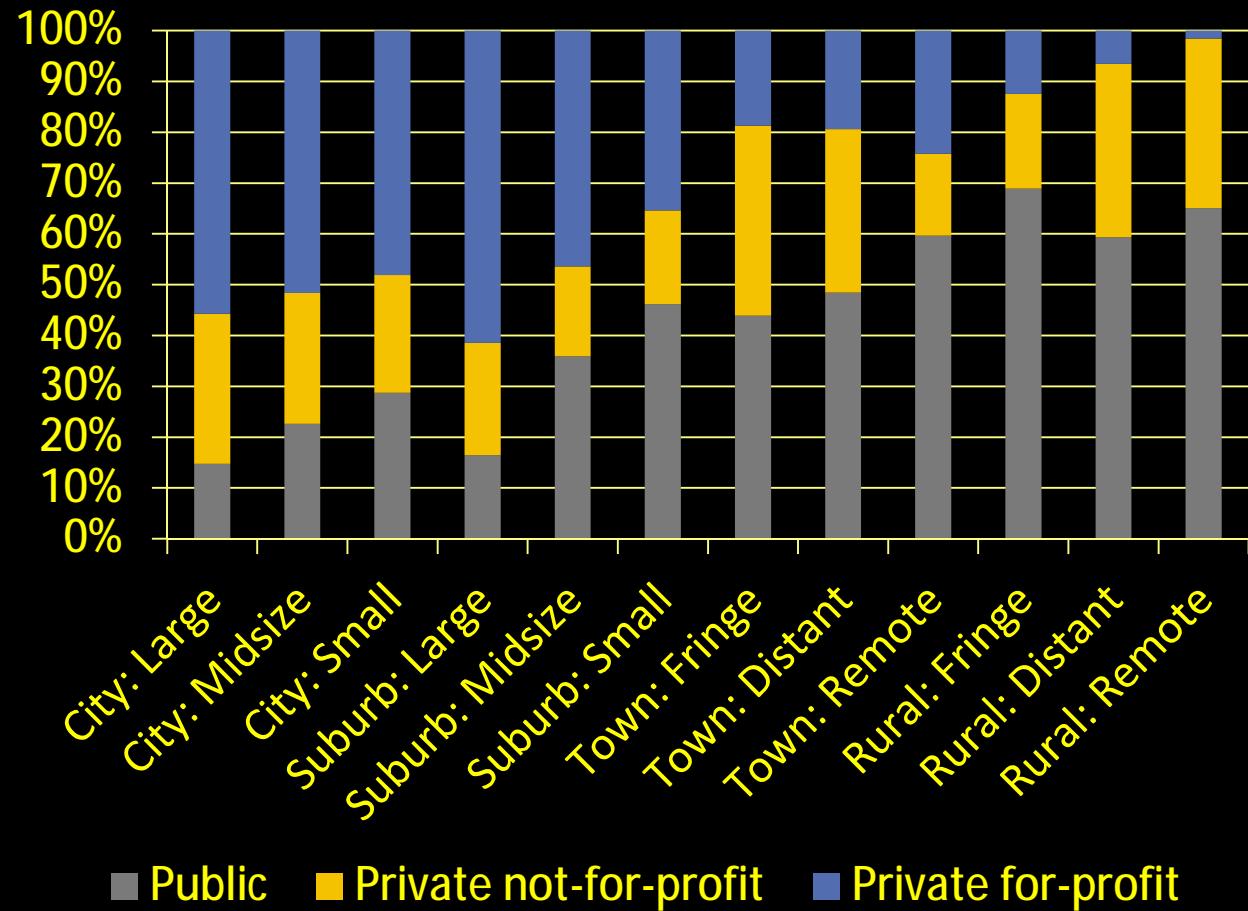
For-Profit Sector: Top Health Programs

Program	Level	Awards
Medical/Clinical Assistant	Certificate	85,891
Massage Therapy/Therapeutic Massage	Certificate	21,905
Medical/Clinical Assistant	Associate's	19,758
Dental Assisting/Assistant	Certificate	17,586
Medical Insurance Specialist/Medical Biller	Certificate	14,177
Licensed Practical/Vocational Nurse Training	Certificate	13,949
Pharmacy Technician/Assistant	Certificate	13,576
Registered Nursing/Registered Nurse	Bachelor's	10,894
Medical Insurance Coding Specialist/Coder	Certificate	10,435

Public Sector: Top Health Programs

Program	Level	Awards
Registered Nursing/Registered Nurse	Associate's	68,158
Registered Nursing/Registered Nurse	Bachelor's	48,735
Licensed Practical/Vocational Nurse Training	Certificate	41,091
Nursing Assistant/Aide & Patient Care Assistant/Aide	Certificate	38,424
Emergency Medical Technology/Technician (EMT Paramedic)	Certificate	20,058
Medical/Clinical Assistant	Certificate	8,881

For-Profit Sector: Top Computer Programs

Program	Level	Awards
Computer Systems Networking & Telecommunications	Associate's	8,222
Computer & Information Systems Security/Information Assurance	Bachelor's	2,786
Information Technology	Associate's	2,273
Network & System Administration/Administrator	Associate's	2,101
Information Technology	Bachelor's	1,819

Public Sector: Top Computer Programs

Program	Level	Awards
Computer & Information Systems Security/Information Assurance	Bachelor's	7,981
Computer Science	Bachelor's	5,879
Information Science/Studies	Bachelor's	4,215
Computer & Information Systems Security/Information Assurance	Associate's	3,723
Computer Systems Networking & Telecommunications	Certificate	3,619
Computer Systems Networking & Telecommunications	Associate's	3,600

For-Profit Sector:
Top Engineer Tech Programs

Program	Level	Awards
Electrical, Electronic & Communications Engineering Technology/Technician	Associate's	4,863
Heating, Ventilation, Air Conditioning & Refrigeration Engineering Technology/ Technician	Certificate	4,545
CAD/CADD Drafting &/or Design Technology/Technician	Associate's	3,035
Automotive Engineering Technology/ Technician	Certificate	2,099

Public Sector:
Top Engineer Tech Programs

Program	Level	Awards
Electrical, Electronic & Communications Engineering Technology/Technician	Associate's	3,369
Drafting & Design Technology/Technician, General	Certificate	2,956
Construction Engineering Technology/Technician	Bachelor's	2,049
Heating, Ventilation, Air Conditioning & Refrigeration Engineering Technology/ Technician	Certificate	1,922
Industrial Technology/Technician	Bachelor's	1,807
Electrical, Electronic & Communications Engineering Technology/Technician	Certificate	1,796
Drafting & Design Technology/Technician, General	Associate	1,714

Top For-Profit Locations for STEM

Location	Stem Awards
University of Phoenix-Online Campus	20798
United Education Institute-Huntington Park Campus	8179
Ultimate Medical Academy-Tampa	6198
ECPI University	3973
Instituto de Banca y Comercio	3412
Kaplan University-Davenport Campus	3254
Chamberlain College of Nursing-Missouri	3190
Grand Canyon University	2442
Florida Career College-Miami	2245
Colorado Technical University-Online	2096

GRAND CANYON
UNIVERSITY

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Accreditation

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Doctrinal Statement

Employment at Grand Canyon University

Four Pillars

GCU Main Campus

Mission and Vision

University Development

About Grand Canyon University

Since 1949, Grand Canyon University has been a premier private university in Arizona, helping students find their purpose and achieve their potential through landing the career of their dreams, advancing their career, and changing careers. As a Christian university, GCU also encourages students to find their purpose in Christ, with an emphasis on applying Christian values and ethics to the workplace. **Read More**

Mission and Vision

Grand Canyon University prepares learners to become global citizens, critical thinkers, effective communicators, and responsible leaders by providing an academically challenging, values-based curriculum from the context of our Christian heritage. The curriculum at GCU is designed to prepare students with

Grand Canyon University

An Overview of the Our Traditional Campus Statistics
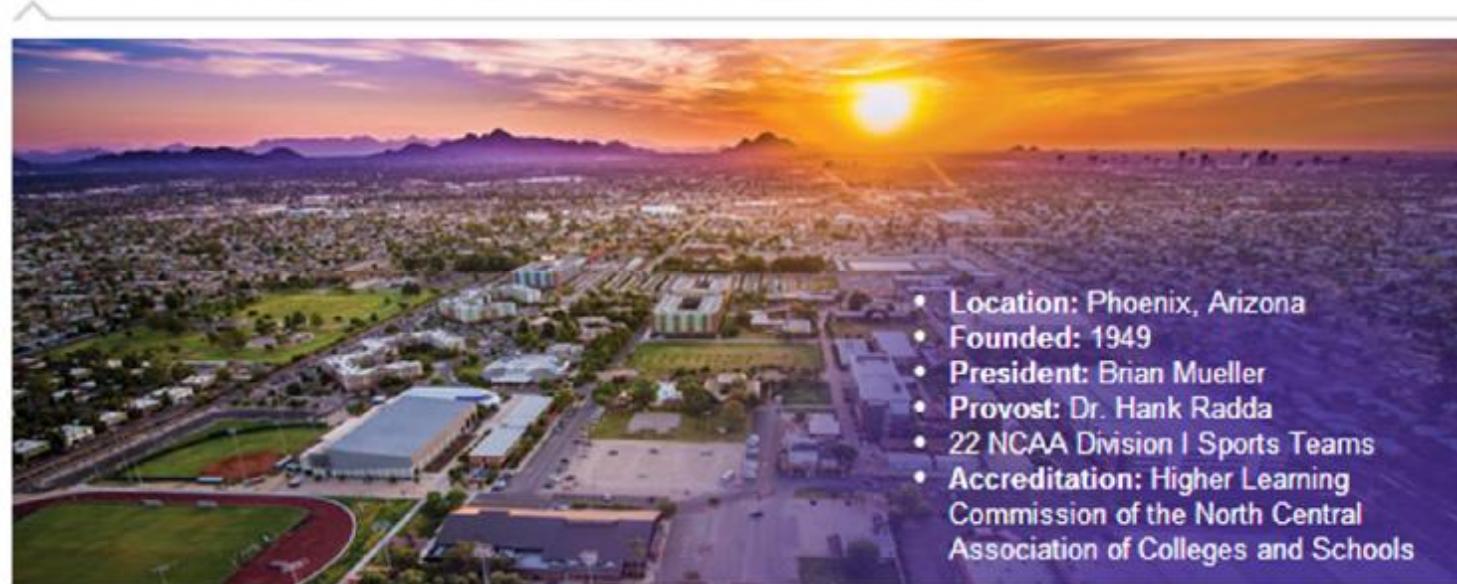
- **Location:** Phoenix, Arizona
- **Founded:** 1949
- **President:** Brian Mueller
- **Provost:** Dr. Hank Radda
- 22 NCAA Division I Sports Teams
- **Accreditation:** Higher Learning Commission of the North Central Association of Colleges and Schools

	September 2012	September 2013
Campus Enrollment	7,404	10,330
Online Enrollment	44,849	49,584

Grand Canyon University Traditional Campus

Top 5 Enrolled Programs	
Bachelor of Science in Biology	21%
Bachelor of Science in Nursing (Pre-Licensure)	16%
Bachelor of Science in Business Management	6%
Bachelor of Science in Psychology	5%
Bachelor of Science in Exercise Science	5%

24% Hispanic/Latino
6% Black/African American

Grand Canyon University Undergraduate Awards

	Bachelor's	Certificate
Biological & Biomedical Sciences		
Biology/Biological Sciences, General	58	
Exercise Physiology	8	
Health Professions & Related Programs		
Athletic Training/Trainer	10	
Clinical Nurse Specialist		1
Critical Care Nursing		4
Family Practice Nurse/Nursing		6
Health Professions and Related Clinical Sciences, Other	144	
Health/Health Care Administration/Management	0	
Hospital and Health Care Facilities Administration/Management	27	
Registered Nursing/Registered Nurse	2,075	1
Respiratory Care Therapy/Therapist	48	
Substance Abuse/Addiction Counseling	57	3

Grand Canyon University Undergraduate Awards

	Bachelor's	Certificate
Biological & Biomedical Sciences		
Biology/Biological Sciences, General	58	
Exercise Physiology	8	
Health Professions & Related Programs		
Athletic Training/Trainer	10	
Clinical Nurse Specialist		1
Critical Care Nursing		4
Family Practice Nurse/Nursing		6
Health Professions and Related Clinical Sciences, Other	144	
Health/Health Care Administration/Management	0	
Hospital and Health Care Facilities Administration/Management	27	
Registered Nursing/Registered Nurse	2,075	1
Respiratory Care Therapy/Therapist	48	
Substance Abuse/Addiction Counseling	57	3

MONROE COLLEGE
Founded 1933

About Monroe

- Monroe Advantage Program
- President's Welcome
- Mission Statement
- Monroe's History
- Accreditation
- Bronx Campus
- New Rochelle Campus
- Queens Ext. Site
- St. Lucia Campus
- Graduation Ceremonies
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Winter Semester Begins January 8th. There is Still Time to Register.

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About Monroe

Monroe College was founded in 1933 with a single goal: To educate men and women for a successful future in the world. Monroe is recognized as a national leader in providing a focused, career-oriented, quality education to its student body with integration of classroom learning with real-world experience. Monroe offers Certificate, Associate, Bachelor's, and Master's degree programs that can help lead students to employment in the most relevant areas for today's rapidly changing global economy.

MONROE COLLEGE

- Enrollment stable between 6000 and 7000 undergraduates
- Campuses in New York City area and St Lucia
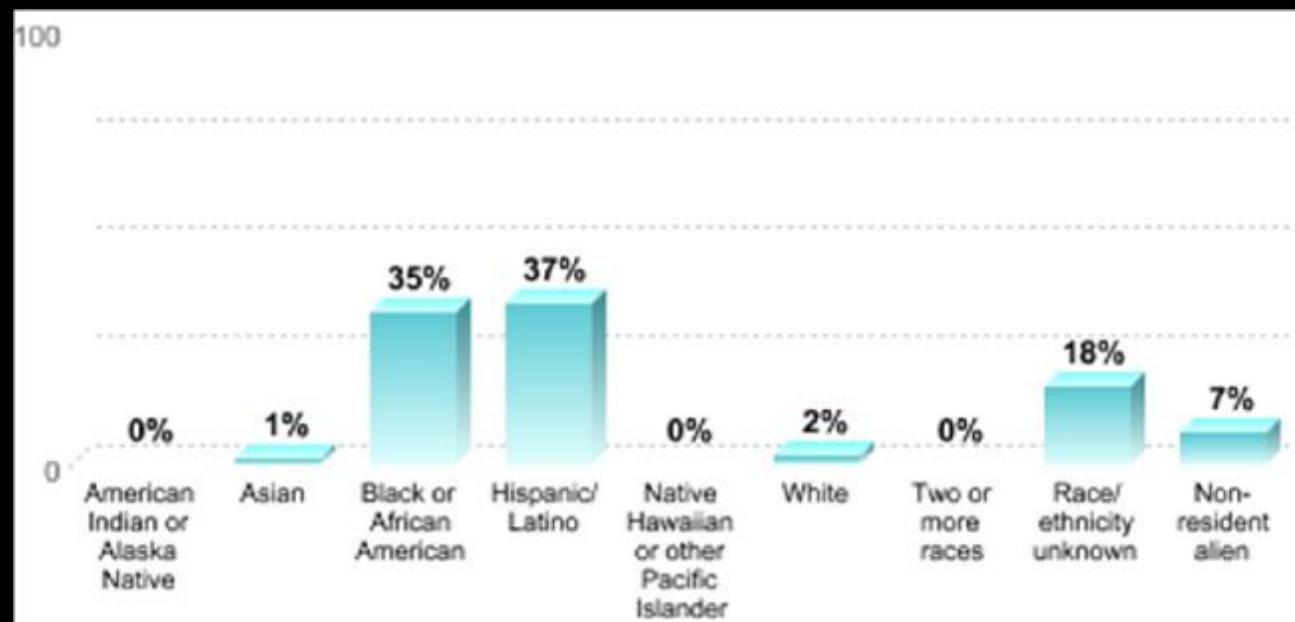
	Associate's	Bachelor's	Certificate
Computer & Information Sciences & Support Services			
Computer & Information Sciences, General	5	1	
Computer/Information Technology Services Administration & Management, Other		78	
Information Technology	83		
Health Professions & Related Programs			
Community Health & Preventive Medicine		87	
Health Services Administration		142	
Licensed Practical/Vocational Nurse Training			26
Medical Office Management/Administration	168		
Medical/Clinical Assistant	129		
Pharmacy Technician/Assistant	25		
Registered Nursing/Registered Nurse	30		

Conclusions

- Contributor to STEM, especially certificate
- Enrollment driven, focus on access
- Scale and capacity: Online expertise
- Expensive (for students)
- Completion ratio questions
- Narrow curriculum
- Part of the policy equation