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Resolutions of Appreciation

David and Bonnie Brunner College of Veterinary Medicine	**$10M**
Anonymous College of Health and Human Sciences	**$6M**
Jon Taenzer (d. 2019) College of Science	**$3.9M**
Joanne Troutner Diversity & Inclusion, Libraries, PRF, Agriculture, Liberal Arts, Veterinary Medicine, Convocations, Athletics	**$3.6M**
William Phillips (d. 2019) College of Science	**$2.8M**
Suzanne Robertson School of Electrical and Computer Engineering	**$2M**

David Burow and Suzanne Sweeney School of Electrical and Computer Engineering	**$1.5M**
Valerie McKinney School of Management	**$1.35M**
Alexander and Helena Galezewski Purdue University and Purdue Research Foundation	**Undisclosed**
Michael and Carol Sohn Purdue Bands & Orchestras and College of Engineering	**Undisclosed**

Protect Purdue

Protect Myself. Protect Others. Protect Purdue.

FEB: Strategic Initiative Update

APRIL: Affordability

JUNE: Fundraising

AUG: End of Year Report

OCT: Enrollment & Graduation

DEC: Institutional Reputation

1. Value and Affordability

2. STEM Leadership

3. Magnet for Talent / Economic Engine

8 New Majors

- Data Science
- Industrial Management Data Analytics
- Design and Construction Integration
- Computer Engineering Technology
- Energy Engineering Technology
- Construction Management Technology
- Plant Studies Exploratory
- Aquatic Sciences* *(Not on ICE list)*

10 New Minors

- Aquatic Sciences
- Data Driven Agriculture
- Bioinformatics
- Fermentation Sciences
- Global Food & Agriculture Systems
- Insect Biology
- Occupational Health Sciences
- Mathematical Economics
- Smart Manufacturing Enterprise
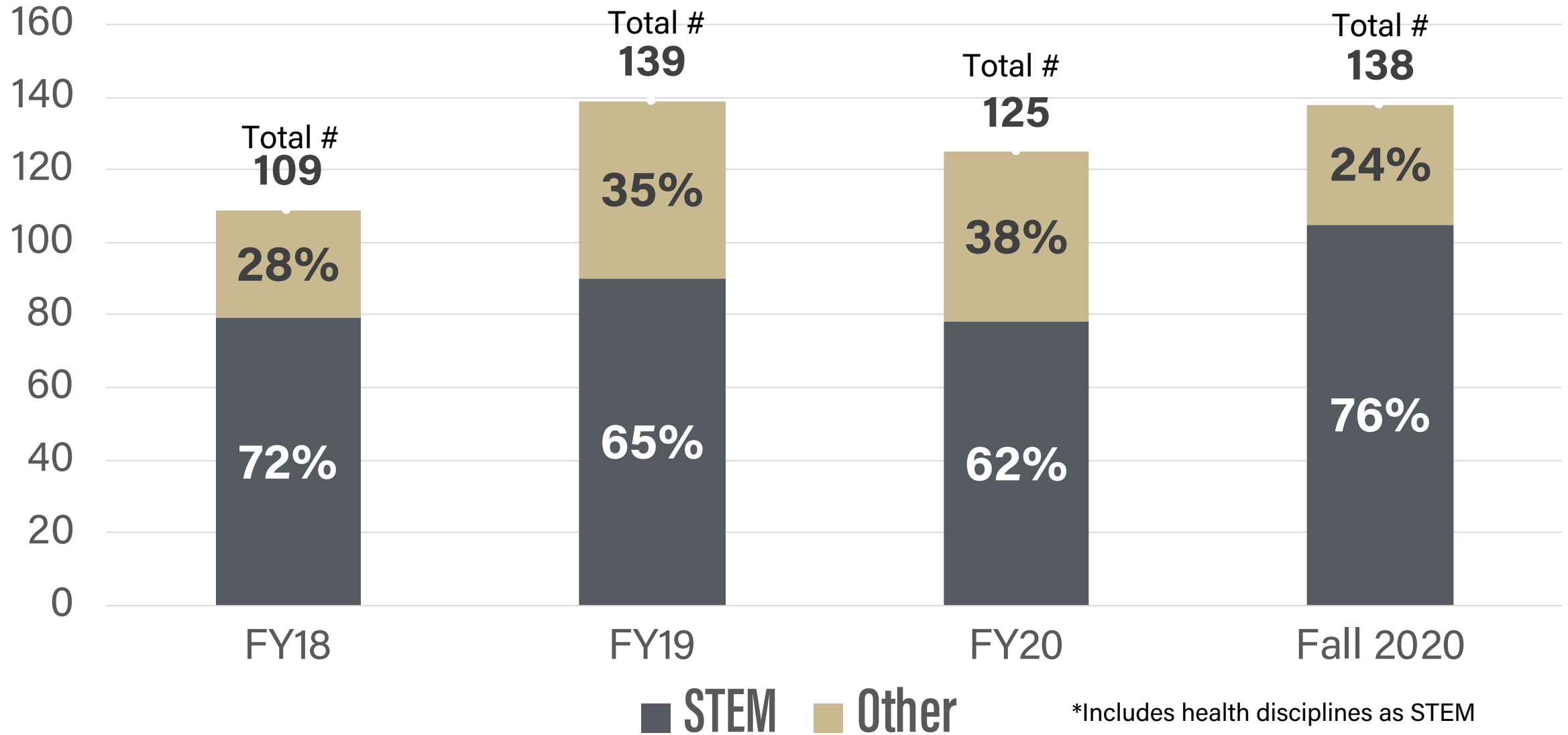- Advance Global Technology

5 New Certificates

- K-12 Integrated STEM Education Certificate
- Science, Technology, and Society (STS)
- Music Technology
- Teaching Secondary Education Computational Thinking
- Applied Data Science

19 New Concentrations Including...

- Insect Biology Forensic Entomology
- Marine and Freshwater Biology
- Fisheries
- Bioarcheology
- Sustainable Biomaterials

New Faculty Hires Mostly in STEM

352 STEM Faculty Hired since 2018; 68% of all new hires

Total #
109
FY18 — STEM **72%**, Other **28%**

Total #
139
FY19 — STEM **65%**, Other **35%**

Total #
125
FY20 — STEM **62%**, Other **38%**

Total #
138
Fall 2020 — STEM **76%**, Other **24%**

■ STEM   ■ Other

*Includes health disciplines as STEM

College of Veterinary Medicine Teaching Hospital

Chaney-Hale Hall of Science

Dudley Hall & Lambertus Hall
(Engineering and Polytechnic Gateway)

FLEX Lab

Agricultural and Biological Engineering

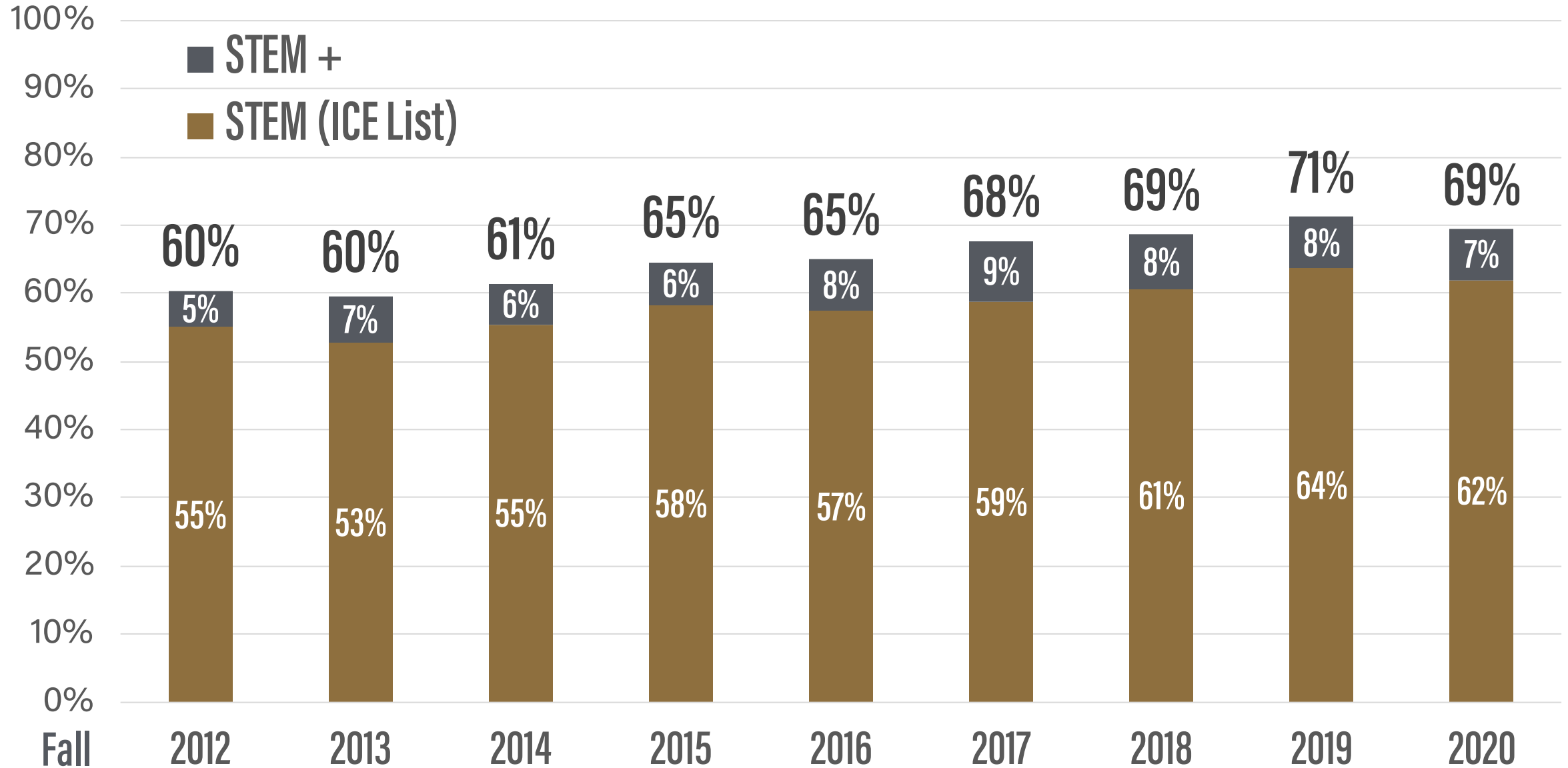Creighton Hall of Animal Sciences

Discovery & Learning Research

Bechtel Innovation Design Center
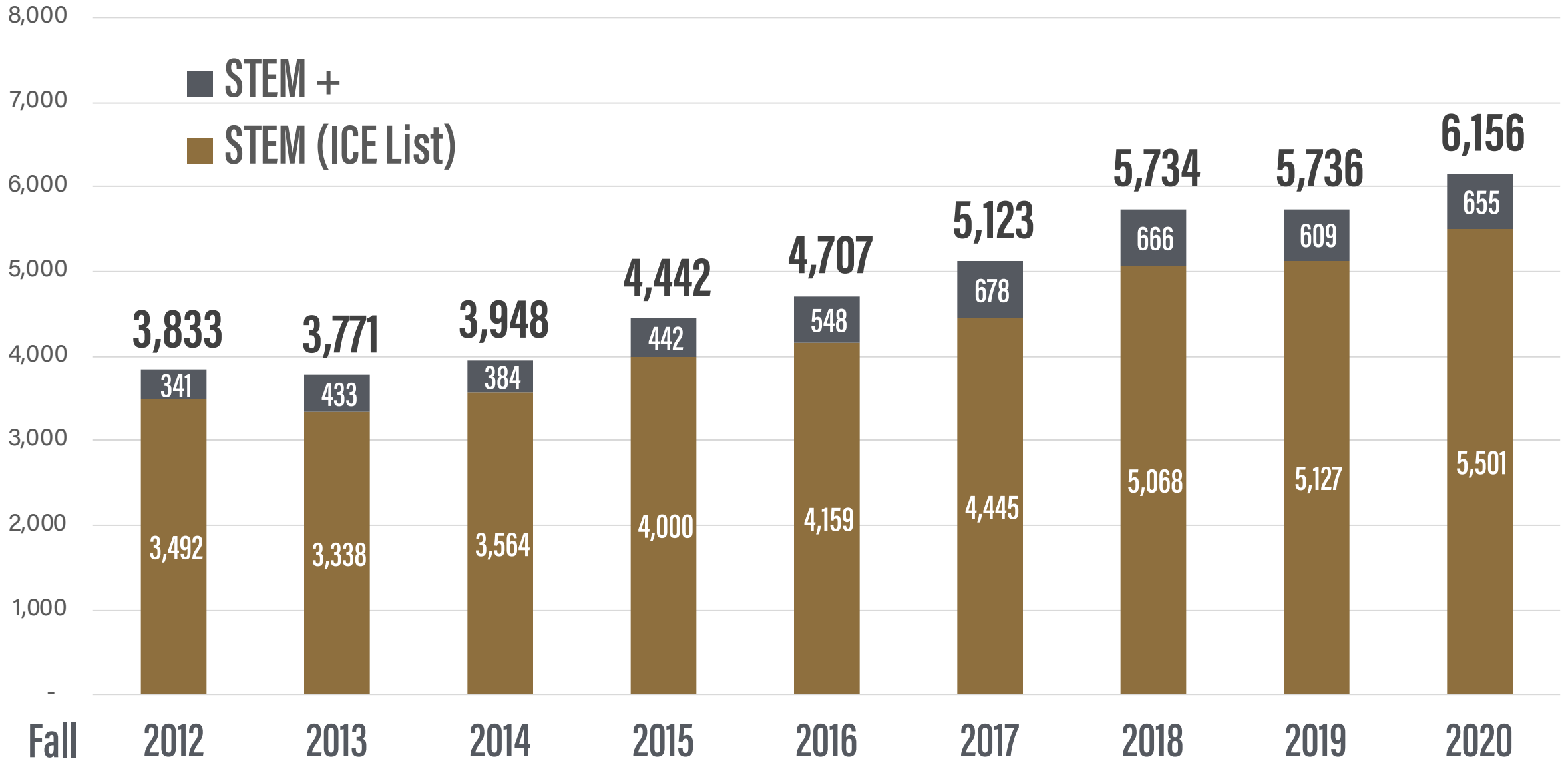
Not Included in Federal STEM Definition

College	Major
College of Agriculture	Aquatic Sciences / Fisheries
	Forestry
	Pre-Veterinary Medicine
	Turf Management & Science
	Wildlife
College of Health and Human Sciences	Accelerated Nursing
	Applied Exercise & Health
	Coordinated Dietetics
	Environmental Health Science
	Health Science Pre-Professional
	Kinesiology
	Nursing
	Radiological Health Sciences
	Speech, Language & Hearing Sci
	Nutrition & Dietetics
	Nutrition, Fitness & Health
	Occupational Health Science

More **Freshmen** Enrolled in STEM Majors Annually **by Percent**

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Chart: *More Freshmen Enrolled in STEM Majors Annually by Percent*

Legend:
- ■ STEM +
- ■ STEM (ICE List)

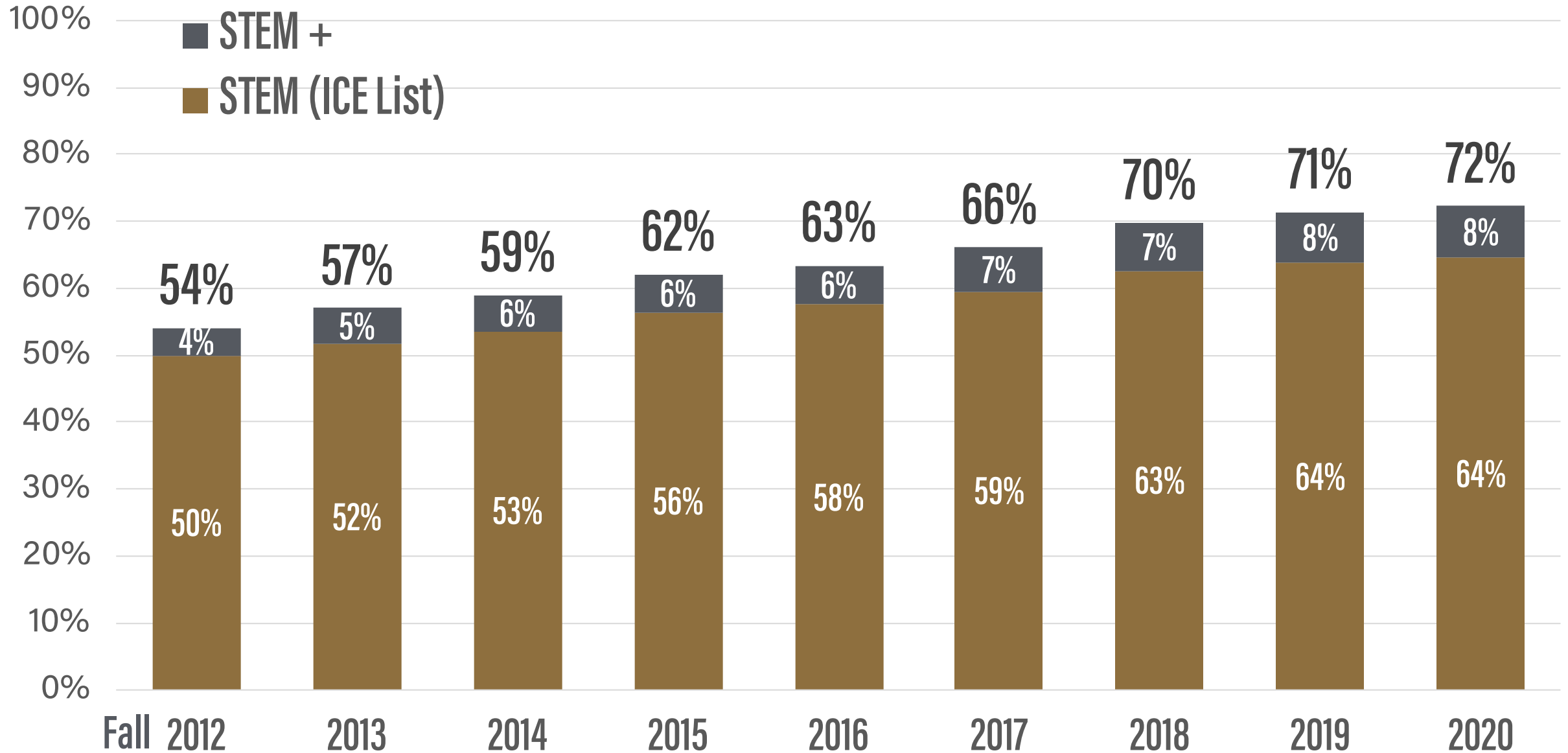| Fall	STEM (ICE List)	STEM +	Total
2012	55%	5%	60%
2013	53%	7%	60%
2014	55%	6%	61%
2015	58%	6%	65%
2016	57%	8%	65%
2017	59%	9%	68%
2018	61%	8%	69%
2019	64%	8%	71%
2020	62%	7%	69%

"Freshmen" refers to "New Beginners"

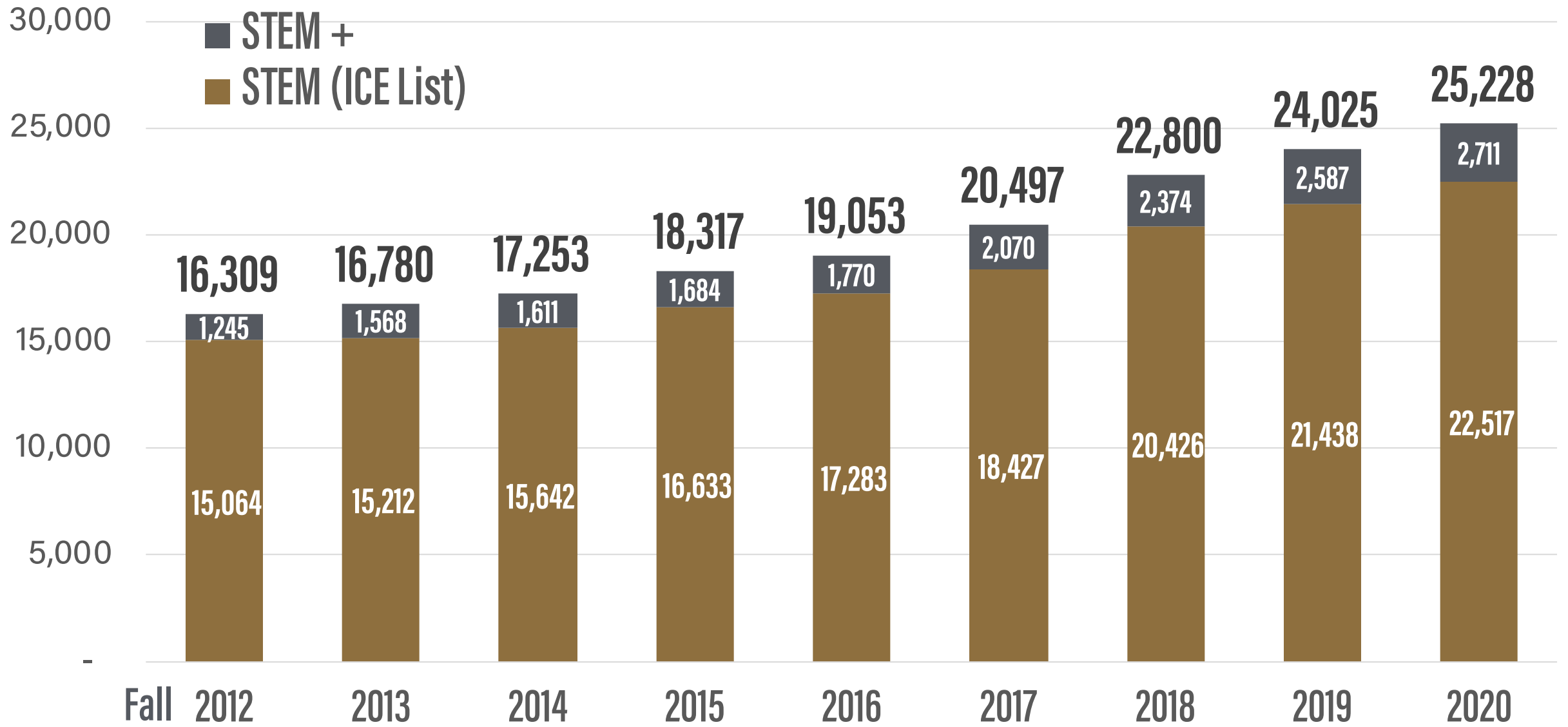# More Freshmen Enrolled in STEM Majors Annually

"Freshmen" refers to "New Beginners"

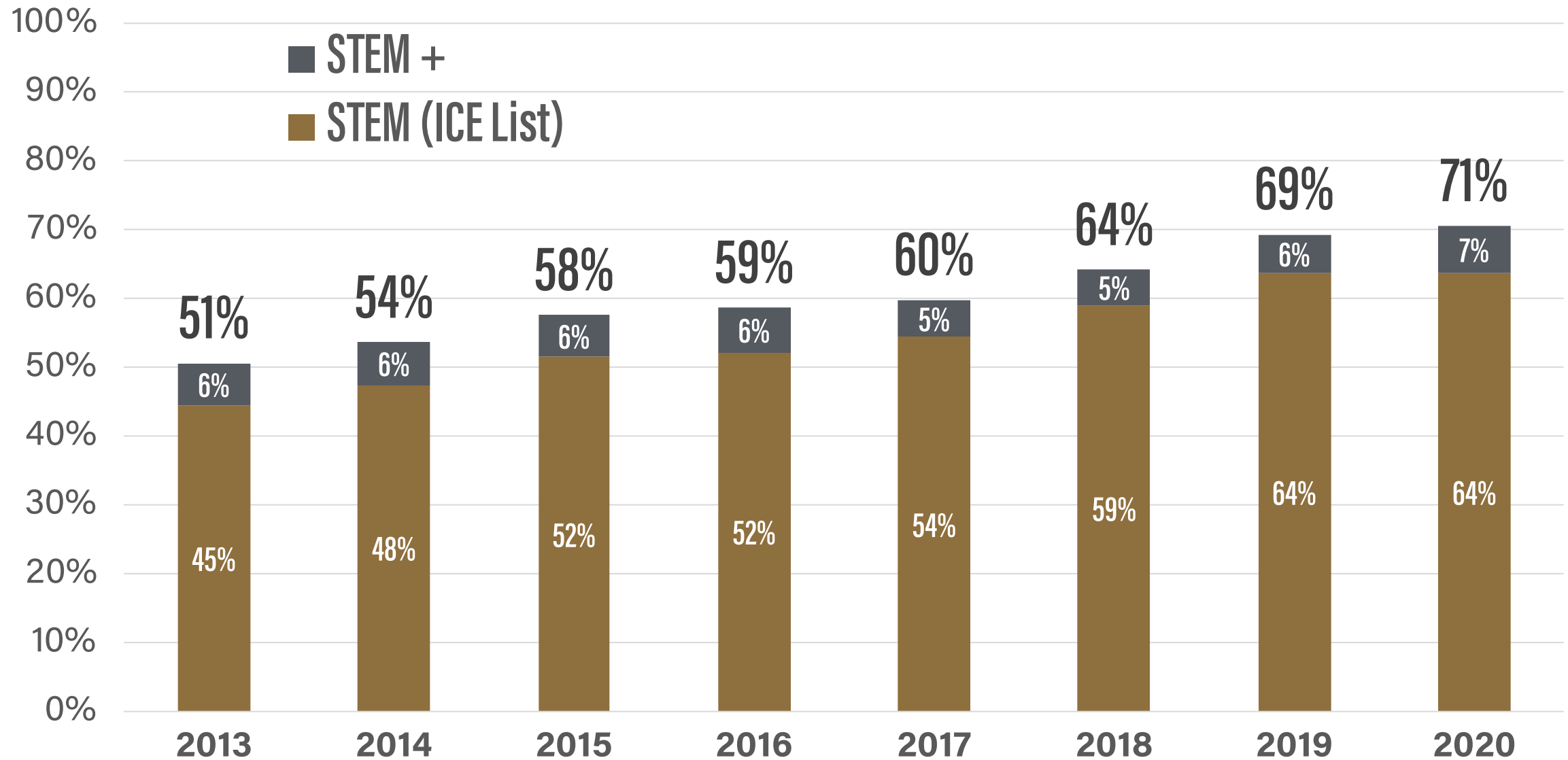More Undergraduates Enrolled in STEM Majors Annually by %

More Undergraduates Enrolled in STEM Majors Annually

Legend:
- STEM +
- STEM (ICE List)

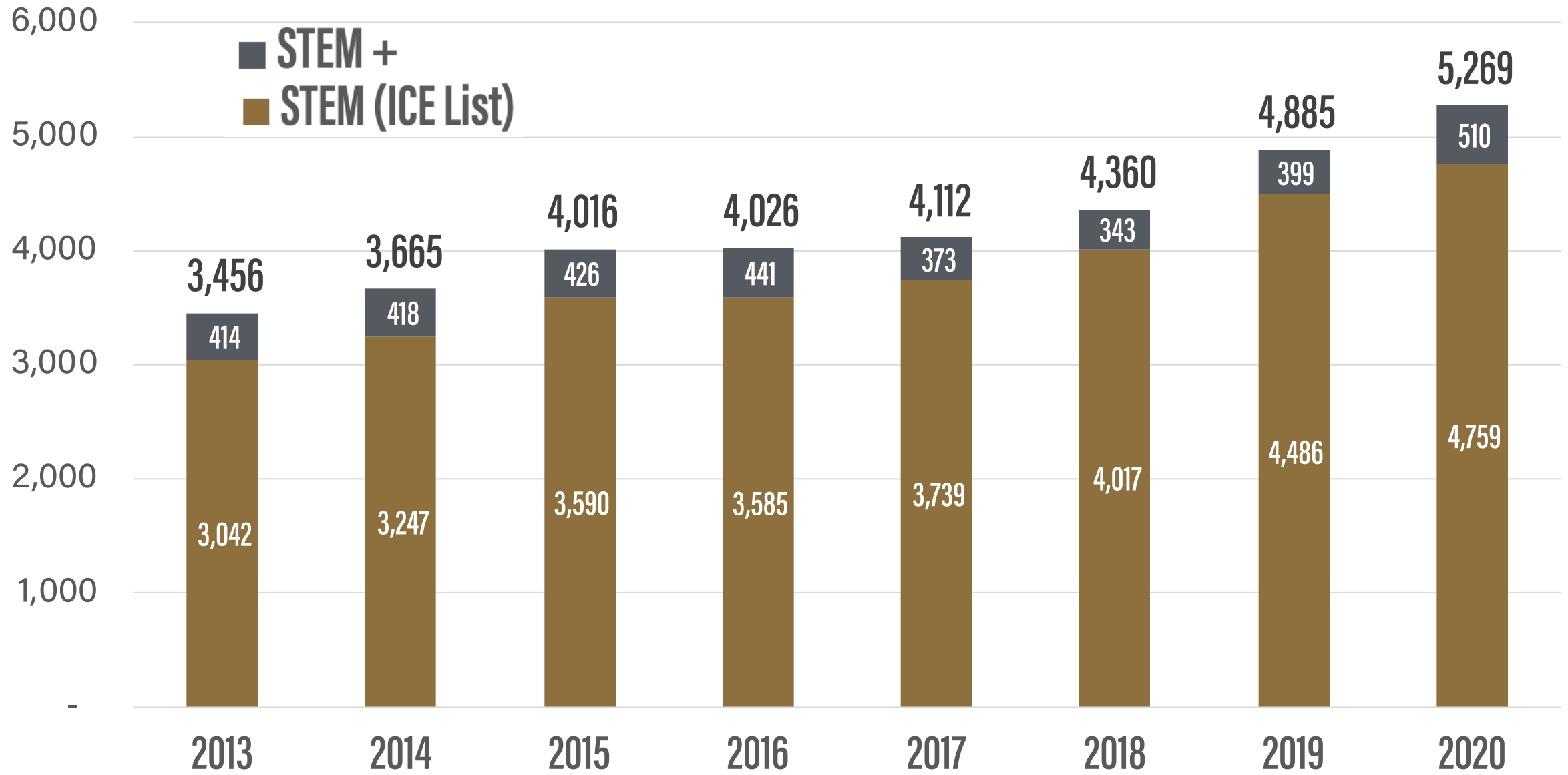| Fall	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total	16,309	16,780	17,253	18,317	19,053	20,497	22,800	24,025	25,228
STEM +	1,245	1,568	1,611	1,684	1,770	2,070	2,374	2,587	2,711
STEM (ICE List)	15,064	15,212	15,642	16,633	17,283	18,427	20,426	21,438	22,517

Bachelor's degrees only.

More STEM Degrees Awarded as a Percent of All Degrees

Bachelor's degrees only.

More STEM <u>Degrees</u> Awarded Annually

Legend: ■ STEM + ■ STEM (ICE List)

Year	STEM (ICE List)	STEM +	Total
2013	3,042	414	3,456
2014	3,247	418	3,665
2015	3,590	426	4,016
2016	3,585	441	4,026
2017	3,739	373	4,112
2018	4,017	343	4,360
2019	4,486	399	4,885
2020	4,759	510	5,269

Bachelor's degrees only.

STEM Graduate Degrees

*Excludes Certificates and Professional.

STEM (ICE List)

Year	Value
2012-13	1,322
2013-14	1,459
2014-15	1,562
2015-16	1,576
2016-17	1,716
2017-18	1,817
2018-19	1,895
2019-20	2,065

59% of graduate degrees

67% of graduate degrees
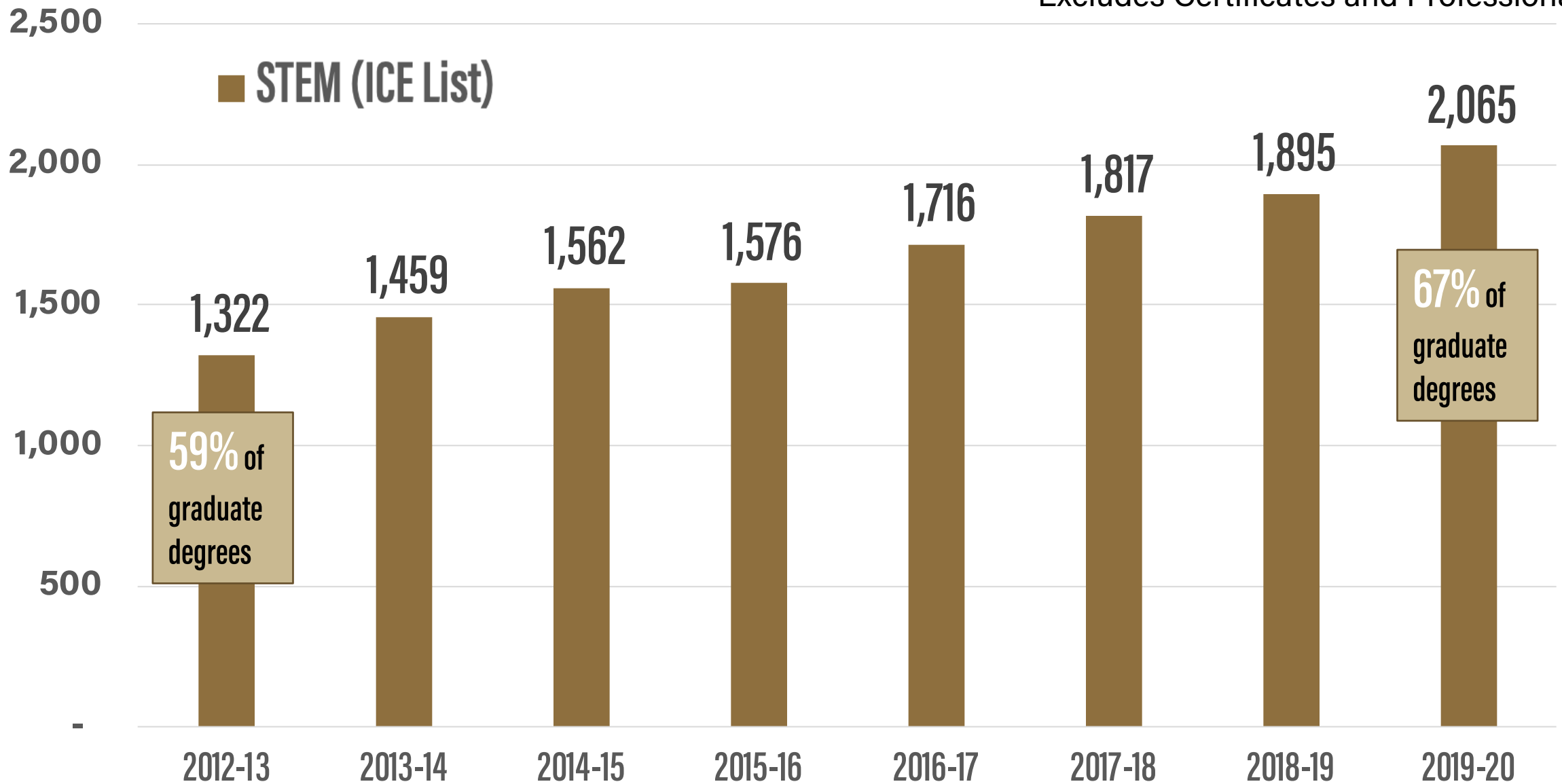
% of Undergraduate Degrees Awarded in STEM vs Peers

| | 2012-13 | | | 2018-19 | |
Rank	School	% STEM	Rank	School	% STEM
1.	Georgia Tech	77%	1.	Georgia Tech	85%
2.	UC Davis	53%	2.	UC San Diego	68%
3.	UC San Diego	52%	3.	UC Davis	67%
4.	North Carolina State	49%	**4.**	**Purdue**	**64%**
5.	Michigan	46%	5.	UC Berkeley	57%
6.	**Purdue**	**45%**	6.	UC Santa Barbara	56%
7.	Virginia Tech	42%	7.	Illinois	54%
8.	Iowa State	40%	8.	North Carolina State	54%
9.	UC Berkeley	39%	9.	Virginia Tech	52%
10.	Illinois	39%	10.	Michigan	52%

*Among Schools with at least 2,000 students.
Source: IPEDS, which includes statewide technology sites.
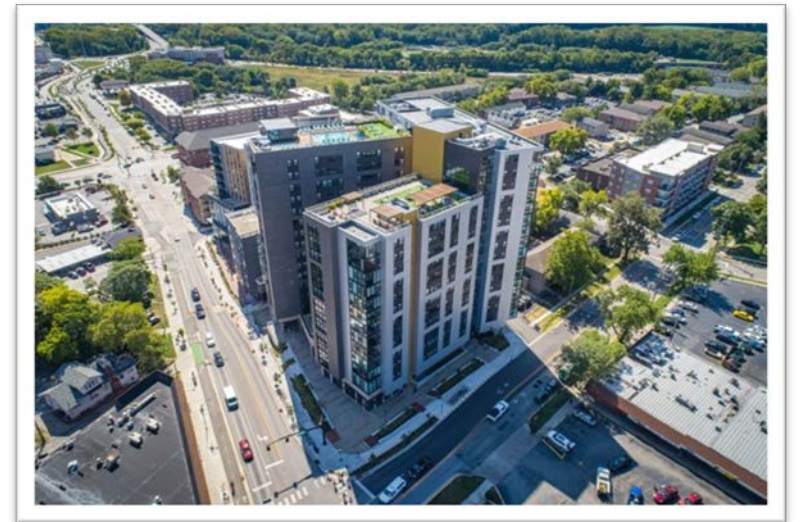ICE list only.

1. Value and Affordability

2. STEM Leadership

3. Magnet for Talent / Economic Engine
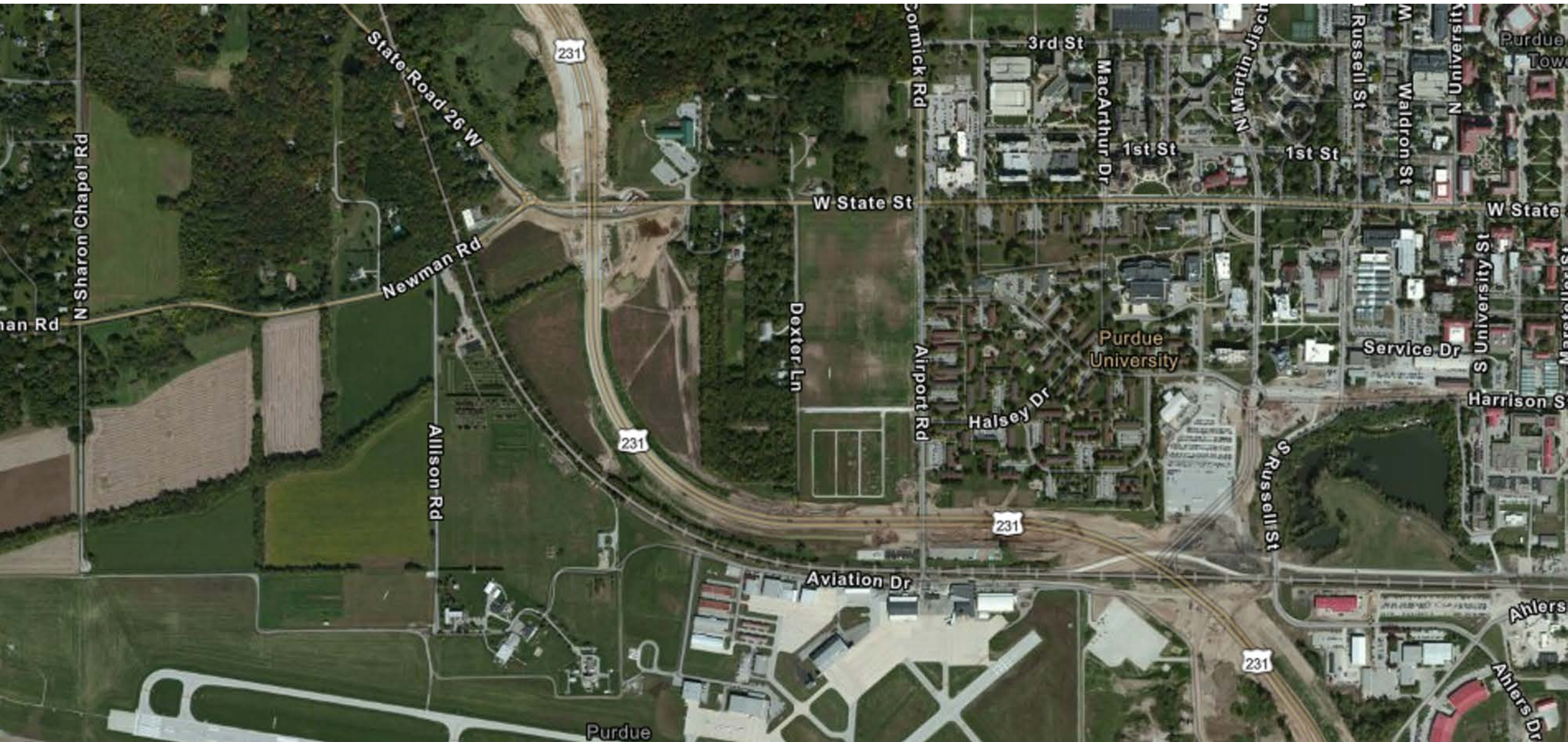
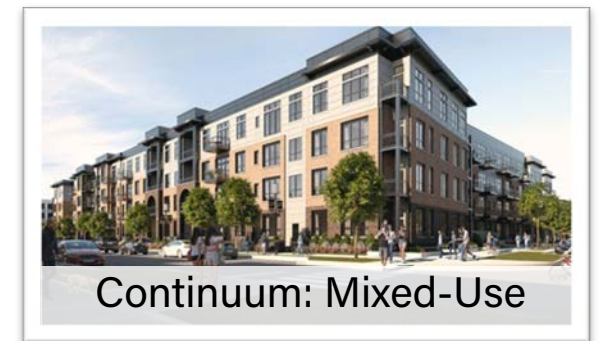- $120 million State Street Redevelopment Project
- New and improved sidewalks
- 8,300 lane feet of cycle track
- 12,200 lane feet of shared use paths
- 33,700 linear feet of landscaping to buffer pedestrian and vehicular traffic

- $1 billion, 30-year initiative
- "Live. Work. Learn. Play" vision
- Aerospace District: business hub for collaboration on research & commerce

Convergence: Office Space

Schweitzer Engineering Lab.

Provenance: Residential Neighborhood

Purdue Technology Center Aerospace

Continuum: Mixed-Use

Discovery Park District Investments

	Construction	Investment	Investor Type
Work	Purdue Technology Center Aerospace (aka Rolls Royce)	$6.4 Million	PRF with private leasing
	Convergence Innovation and Collaboration Office Building	$32 Million	PRF with private leasing
	SAAB Research and Production Facility	$9 Million	Private
	Schweitzer Engineering Labs	$24 Million	Private
Live	Continuum (non-student) Apartments	$46.6 Million	Private
	Aspire student housing	$85 Million	Private
	Provenance Residential Village	$136 Million*	Private
Total		**$339 Million**	

At full build out

Community Growth and Economic Development

Schweitzer Engineering Lab.

SEL

Purdue Technology Center Aerospace

Convergence (Offices)

Commons

BAYER

ZORION Medical

State Street

SAAB

Provenance

BECK'S

Discovery Park

Greenbelt

Main St.

District Core
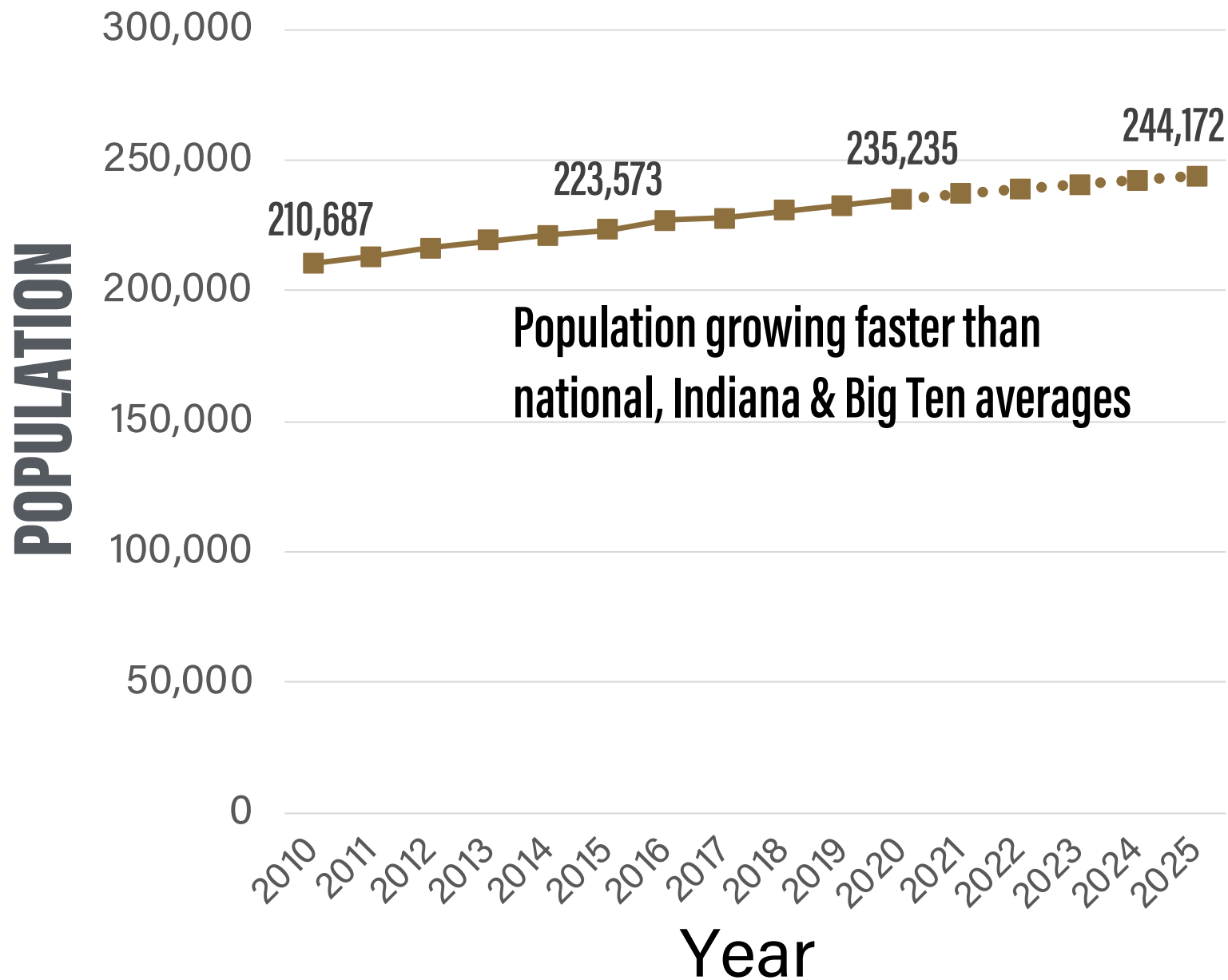
Aerospace District

SAAB TECHNOLOGIES

Sandia National Laboratories

Zucrow

Residential Community

- $12 million, 60,000-square-foot expansion to Kurz Purdue Technology Center
- Largest cluster of technology companies in the state
- 725-acres
- 50 buildings
- 3,200+ employees
- 327,000 sq ft feet of business incubation space
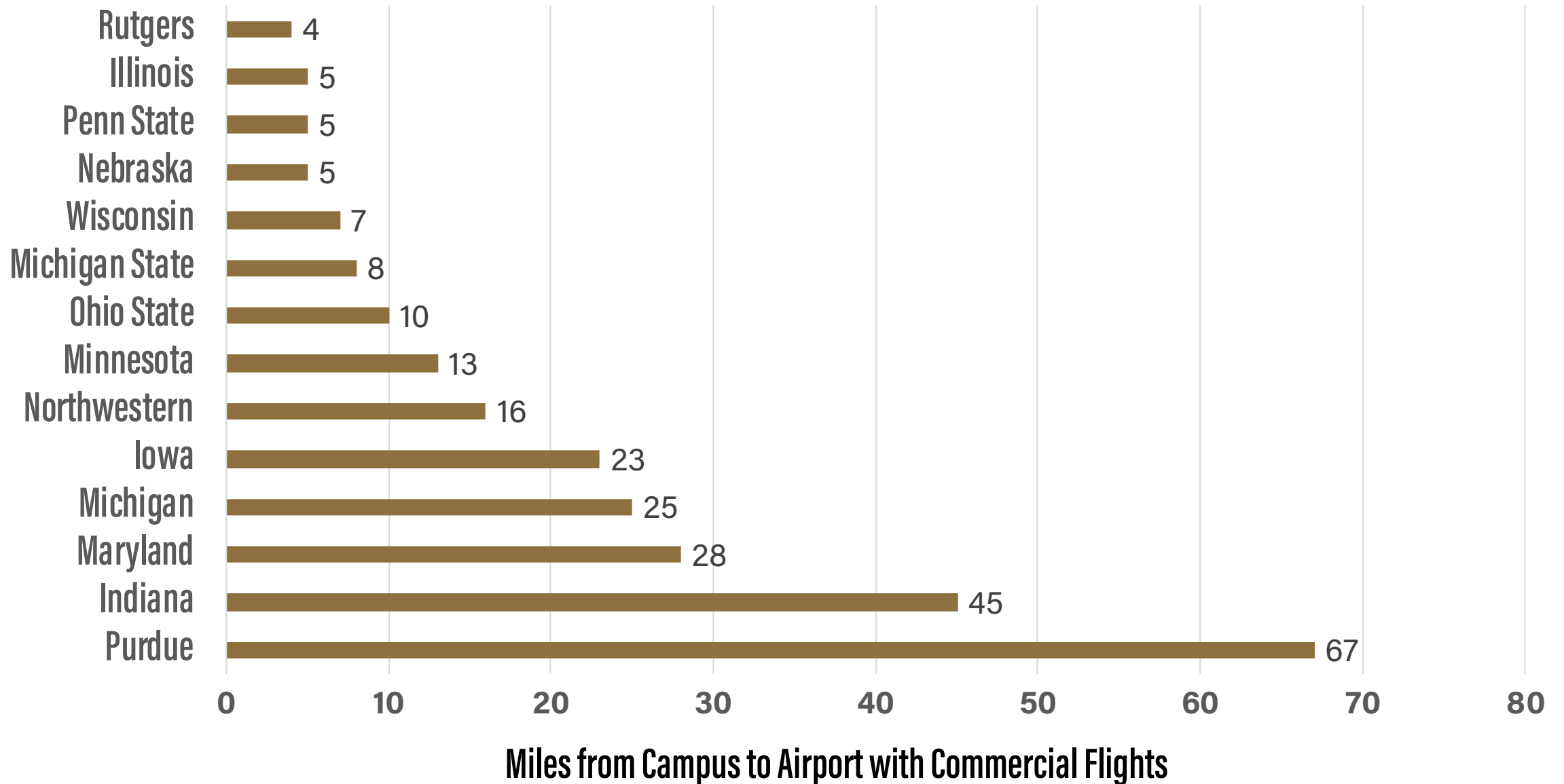- Average wage for startup companies in excess of $63K

Steady Population & Wage Growth: Greater Lafayette

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POPULATION

- 300,000
- 250,000
- 200,000
- 150,000
- 100,000
- 50,000
- 0

210,687
223,573
235,235
244,172

Population growing faster than national, Indiana & Big Ten averages

Year: 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025

Real Per Capita Personal Income Growth
- Up 18% in last decade

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Sources: Census, EMSi, BEA

Big Ten Universities Ranked by Distance to Commercial Airport

Miles from Campus to Airport with Commercial Flights

University	Miles
Rutgers	4
Illinois	5
Penn State	5
Nebraska	5
Wisconsin	7
Michigan State	8
Ohio State	10
Minnesota	13
Northwestern	16
Iowa	23
Michigan	25
Maryland	28
Indiana	45
Purdue	67

Competitive federal grant to assist smaller communities in expanding air service

- Purpose of grant is to encourage community support for air service development
- Would allow more funding and expenditures in pursuit of goal to connect to hubs

Carriers have expressed interest in market but success more likely with this grant and proven community support.

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