

# Guided Pathways in Ohio: Progress and Opportunities

Hana Lahr  
Community College Research Center  
September 14, 2018

# Presentation overview

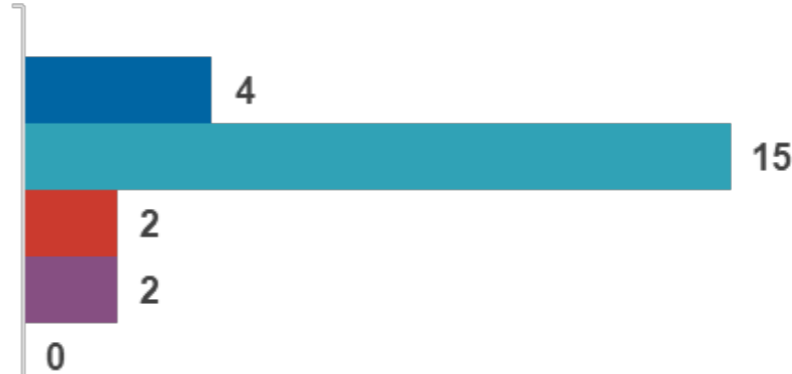
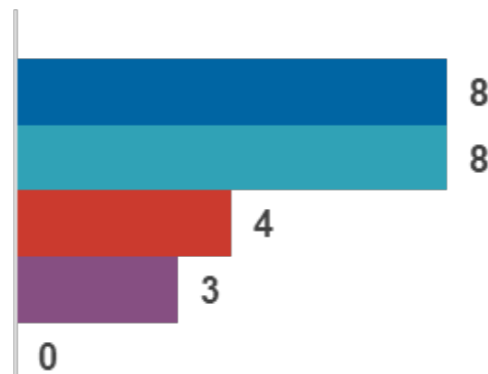
- Scale of Adoption Assessment findings
- Suggested priorities for next steps
- Feedback and discussion of next steps

# Scale of Adoption of Essential Pathways Practices: Mapping Pathways to Student End Goals

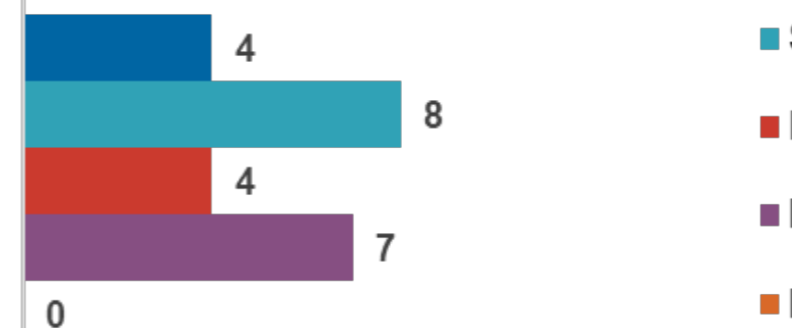
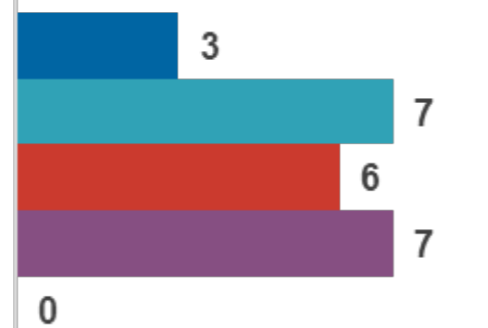
October 2016  
N=23

June 2018  
N=23

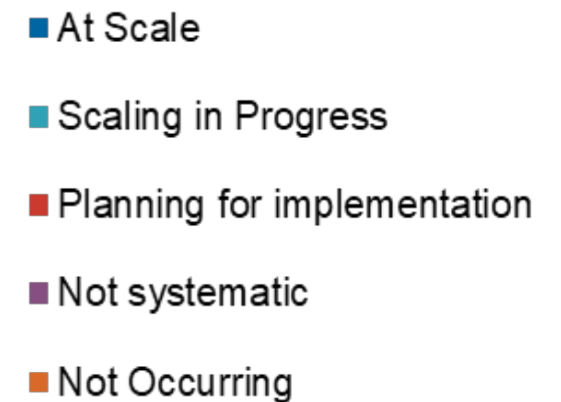
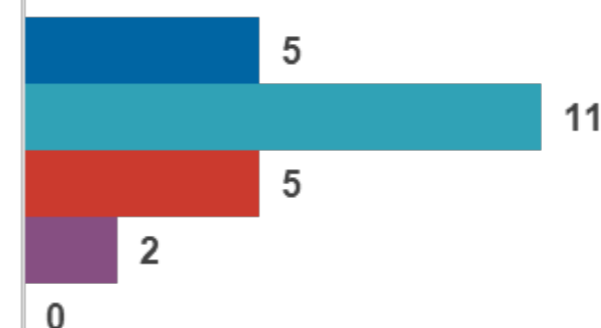
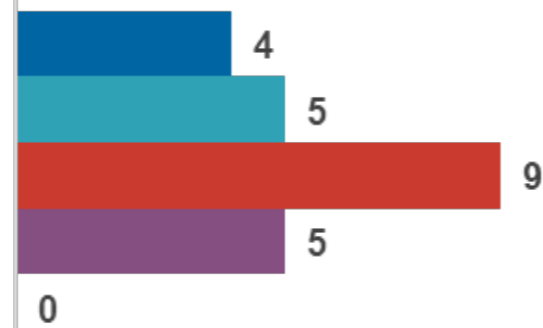
1A. Every program is well-designed to guide and prepare students to enter employment and further education in fields of importance to the college's service area.



1B. Detailed information is provided on the college's website on the employment and further education opportunities targeted by each program.



1C. Programs are clearly mapped out. Students know which courses they should take and in what sequence. Courses critical for success and other key progress milestones are clearly identified. This information is easily accessible on the college's website.



# Program map examples

Semester 3

Course

[CIT 111](#)

[CIT 211](#)

[COM 101](#)

[ENG 101](#)

[Social](#)

**Credit**

<sup>1</sup>Refer to

Semester 3

Course	Credit Hours	Minimum Grade Required	Tips for Success
<a href="#">CIT 237S Computer Security Essentials</a>	3		▶ Student must submit successful background check for CIT 237S.
<a href="#">CIT 242S Computer Forensics Essentials</a>	3		
<a href="#">CSC 210S CCNA 1</a> OR	3	C	▶ Student should apply for internship.
<a href="#">NEP 236S Configuring Microsoft Windows Workstation<sup>1</sup></a>		C	▶ Advisor to evaluate student's eligibility to graduate with Help Desk Short-Term Technical Certificate, Networking Short-Term Technical Certificate or Network Computer Management Certificate.
<a href="#">CSC 211S CCNA 2</a> OR	3	C	
<a href="#">NEP 237S Configuring Microsoft Windows Server<sup>1</sup></a>		C	
<a href="#">MKT 218S Customer Service</a>	1		
Technical Elective <sup>2</sup>	3		
<b>Credit Hours</b>	<b>16</b>		

<sup>1</sup>Student must complete one of two series. CSC 210S, CSC 211S, CSC 212S and CSC 213S OR NEP 236S, NEP 237S, NEP 238S and NEP 239S.

<sup>2</sup>To be chosen from CIT 111S, CIT 212S, CIT 236S, CIT 248S, CIT 250S, CIT 280S, CSC 117S, NET 101S or NET 105S.

Semester 4

Course

[CIT 211](#)

[CIT 212](#)

[ENG 101](#)

[MGT 201](#)

[MTH 101](#)

[MTH 102](#)

[Huma](#)

**Credit**

<sup>1</sup>Refer to

Semester 4

Course	Credit Hours	Minimum Grade Required	Tips for Success
<a href="#">CIT 216S Capstone Project</a> OR	3		▶ Student to submit graduation application.
<a href="#">CIT 291L Internship Experience</a> AND			▶ Student to meet with transfer advisor at four-year school, if applicable.
<a href="#">CIT 291R Internship Seminar</a>			
<a href="#">CIT 238S System Vulnerabilities &amp; Security</a>	3		▶ Advisor to evaluate student's eligibility to graduate with Systems Administrator Certificate.
<a href="#">CIT 243S Advanced Computer Forensics</a>	3		
<a href="#">CSC 212S CCNA 3</a> OR	3	C	
<a href="#">NEP 238S Administering Microsoft Windows Server<sup>1</sup></a>		C	
<a href="#">CSC 213S CCNA 4</a> OR	3		
<a href="#">NEP 239S Configuring Advanced Windows Server<sup>1</sup></a>			
<b>Credit Hours</b>	<b>15</b>		

<sup>1</sup>Student must complete one of two series. CSC 210S, CSC 211S, CSC 212S and CSC 213S OR NEP 236S, NEP 237S, NEP 238S and NEP 239S.

Total Credit Hours | 61



# Program map examples

## NORTH CENTRAL STATE COLLEGE

### Human Services 2018-2019

Preparatory Courses				
Complete	Course Number	Course Title		
	<b>FYEX 0070*</b>	College and Career Success		
	<b>ENGL 0040*</b>	Integrated Reading and Writing		
	<b>MATH 0072; 0073; 0074; 0086, STAT 0086*</b>	Developmental Math courses		
FALL				
Complete	Term	Course Number	Course Title	Prerequisite
		<b>ENGL 1010 ^</b>	English Composition I	ENGL 0040
		HMSV 1010	Intro to Human Services	
		HMSV 1030	Human Service Assessments	
		<b>PSYC 1010 ^</b>	Introduction to Psychology	
		<b>STAT 1010 ^</b>	Probability and Statistics	MATH 0086
		<b>^ Milestone course</b>		
SPRING				
Complete	Term	Course Number	Course Title	Prerequisite
		<b>ENGL 1030 ^</b>	English Composition II	ENGL 1010
		HMSV 1050	Intro to Social Work	HMSV 1010
		HMSV 1090	Group Work in Human Services	HMSV 1010
		<b>HMSV 1170 ^</b>	Directed Practice /Seminar I	HMSV 1010 ENGL 1010
		PSYC 2010	Human Growth & Development	PSYC 1010
		<b>^ Milestone course</b>		
FALL				
Complete	Term	Course Number	Course Title	Prerequisite
			Basic Elective	
		BIOL 1050 or BIOL 1710	Principles of Biology <b>OR</b> Intro to Human Anatomy & Physiology	
		HMSV 2030	Introduction to Case Management	HMSV 1050
		HMSV 2050	Social Problems	HMSV 1050
		<b>HMSV 2070 ^</b>	Practicum/Seminar II	HMSV 1050
		<b>^ Milestone course</b>		
SPRING				
Complete	Term	Course Number	Course Title	Prerequisite
			Humanities Elective	
			Basic Elective	
		HMSV 2090	Treatment Modalities/Crisis Intervention	HMSV 2030
		HMSV 2110	Poverty and Social Welfare	HMSV 2030
		<b>HMSV 2270 ^</b>	Practicum/Seminar III	HSMV 2030
		<b>^ Milestone course</b>		

c = Can be concurrent m = Must be concurrent

\* All incoming students will be required to provide ACT scores or take a placement test. Based on their scores, students will be placed in appropriate English and mathematics courses. Successful completion of developmental English, and mathematics prerequisites require a grade of C- or above in the course. Developmental reading, writing, and mathematics course prerequisites can also be attained through placement testing. See the [Standardized Testing Cutoff Scores](#) for specific tests.

The College strongly recommends that students be covered by hospitalization insurance, which can be purchased through a private carrier. To obtain a brochure regarding insurance, contact the Student Success Center. (Rm 103 Kee Hall) or call toll free 888-755-4899, ext. 4761 or locally 419-755-4761.

## NORTH CENTRAL STATE COLLEGE

### Engineering Technology, Integrated Engineering Technology 2018-2019

Preparatory Courses						
Complete	Course Number	Course Title				
	<b>FYEX 0070*</b>	College and Career Success				
	<b>ENGL 0040*</b>	Integrated Reading and Writing				
	<b>MATH 0072; 0073; 0074; 0086, STAT 0086*</b>	Developmental Math courses				
FALL						
Complete	Term	Course Number	Course Title	Prerequisites	Credits	
		ELET 1510	DC Electricity	MATH1050c	3	
		<b>ENGL 1010 ^</b>	English Composition I	ENGL0040 *	3	
		ENGR 1010	Introduction to Engineering		2	
		<b>MATH 1050 ^</b>	Technical Mathematics I	MATH0074 *	4	
		MECT 1150	Fundamentals of Engineering Design		2	
		<b>^ Milestone course</b>				
					<b>Semester Credit Hours</b>	<b>14</b>
SPRING						
Complete	Term	Course Number	Course Title	Prerequisites	Credits	
		ELECT 1520	AC Electricity	ELET1510	3	
		<b>ENGL 1030 ^</b>	English Composition II	ENGL1010 (minimum grade of C-)	3	
		MATH 1051	Tech Math II	MATH1050	4	
		<b>MECT 2330 ^</b>	Statics	MATH1050, PHYS1110c	3	
		PHYS 1110	General Physics I	MATH1051(c)	4	
		<b>^ Milestone course</b>				
					<b>Semester Credit Hours</b>	<b>17</b>
FALL						
Complete	Term	Course Number	Course Title	Prerequisites	Credits	
		ELET 1530	Digital Principles		4	
		ENRD 2150	Computer Aided Design I		3	
		MECT 2230	Engineering Materials		3	
		MECT 2440	Strength of Materials	MECT2330	3	
		PHYS 1130	General Physics II	PHYS1110 (minimum grade of C-)	4	
		<b>^ Milestone course</b>				
					<b>Semester Credit Hours</b>	<b>17</b>
SPRING						
Complete	Term	Course Number	Course Title	Prerequisites	Credits	
		CHEM 1030	Chemistry	CHEM 1010 or high school chemistry minimum grade of C-	3	
		ECON 1010	Intro to Economics		3	
		ELET 2240	PLCs		3	
		ELET 2450	Electronics	ELET 1520	3	
		HIST 1010 or HIST 1030	American History I OR American History II		3	
		MECT 2910	Mechanical Design Project	MECT2440	1	
		<b>^ Milestone course</b>				
					<b>Semester Credit Hours</b>	<b>16</b>
					<b>TOTAL SEMESTER HOURS</b>	<b>64</b>

c = Can be concurrent m = Must be concurrent

\* All incoming students will be required to provide ACT scores or take a placement test. Based on their scores, students will be placed in appropriate English and mathematics courses. Successful completion of developmental English, and mathematics prerequisites require a grade of C- or above in the course. Developmental reading, writing, and mathematics course prerequisites can also be attained through placement testing. See the [Standardized Testing Cutoff Scores](#) for specific tests and test scores.

The College strongly recommends that students be covered by hospitalization insurance, which can be purchased through a private carrier. To obtain a brochure regarding insurance, contact the Student Success Center. (Rm 103 Kee Hall) or call toll free 888-755-4899, ext. 4761 or locally 419-755-4761.

Info for ☰

- Fast Forward Center
- Honors Program
- International Education
- Lifelong Learning
- Mentoring Collaborative
- Miami Valley Tech Prep
- Taylor Scholars
- Think College
- Online Programs
- Upward Bound
- Workforce Development
- Young Scholars Program

**College Events** See All →

- SEP 14 Women's Volleyball v. Cuyahoga Community College
- SEP 18 Deciding Day
- SEP 18 Women's Volleyball v. Cedarville JV
- SEP 19 Battle of the Badges Blood Drive
- SEP 19 Do You Want to Be A Teacher? | Education Open House

Academic Sports Arts Events

**Academic Calendar**

< September 2018 >

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Current Day ☐ Event Day ☑

< September 2018 >

Info for ☰

SINCLAIR COLLEGE

Search

About Locations Enrollment & Aid Academics Services Student Life Giving

APPLY NOW SCHEDULE A VISIT MORE INFO

HOME / ACADEMICS / ACADEMIC DIVISIONS / BUSINESS AND PUBLIC SERVICES / BUSINESS & PUBLIC SERVICES / BUSINESS ADMINISTRATION BUS.S.AS

## Business Administration BUS.S.AS

ASSOCIATE OF SCIENCE - 63 CREDIT HOURS

Division: Business and Public Services  
Department: Business & Public Services  
Effective as of Fall 2016

### What is the program about?

The University Parallel program is designed for the student who wants to pursue a baccalaureate degree at a four-year institution in a business discipline. The purpose of the degree program is to provide the basic core of business and general education requirements for the first two years of a four-year program. As part of this degree program, students must complete the requirements of the Ohio Transfer Module in order to graduate.

This degree program contains one or more embedded certificates which will be automatically awarded when the certificate requirements are completed. If you do not want to receive the embedded certificate(s), please notify Registration and Student Records at studentrecords@sincclair.edu.

### Program Outcomes

- Apply written and verbal communication skills to business applications, including teamwork activities and delivering oral and written presentations.
- Apply basic application software skills, file management skills and information research and evaluation skills to business problem solving.
- Apply problem-solving skills to mathematical and business problems.

### Transferability

Completion of this program guarantees completion of the Ohio Transfer Module (OTM). OTM courses are guaranteed to transfer to any public institution in Ohio on a course-by-course basis or in total.

Formal articulation agreements with other colleges and universities indicate how Sinclair programs and courses will transfer to other institutions.

### Additional Information

THIS PROGRAM IS AVAILABLE IN THE FOLLOWING FORMAT:

**15 TO YOUR FUTURE** Streamlined 15-month associate degree options get you job or transfer-ready faster! **LEARN MORE 15 Months Format**

**SINCLAIR FLEXPACE** The speed of learning is up to you! Fast track to a degree or take a break when life gets busy. **CHECK OUT Sinclair FlexPace**

### CURRICULUM

Suggested Term-by-Term Pathways: Full-time Go

Course	Title	Credits
	Ohio Transfer Module: Natural & Physical Sciences Elective	6
	Ohio Transfer Module: Social & Behavioral Sciences Elective	3
	Ohio Transfer Module: Arts & Humanities Elective	6
ACC 1210	Introduction to Financial Accounting	3
ACC 1220	Introduction to Managerial Accounting	3
BIS 1120	Introduction to Software Applications	3
COM 2211	Effective Public Speaking	3
ECO 2160	Principles of Macroeconomics	3
ECO 2180	Principles of Microeconomics	3
ENG 1101	English Composition I	3
ENG 1131	Business Writing	3
LAW 1101	Business Law	3
MAN 1107	Foundations of Business	3
MAN 2150	Management & Organizational Behavior	3
MAT 2160	Calculus for Business & Economics	5
MAT 2170	Business Statistics I	4
MRK 2101	Principles of Marketing Management	3
	(ENG 1201 OR MAT 2180)	3

View the Master Syllabus View the Course Schedule

### Program Accreditation Information

This program is fully accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a specialized accreditation recognized by the Council on Higher Education Accreditation (CHEA).

Back to Top

Program Outcomes

Transfer information

Map options

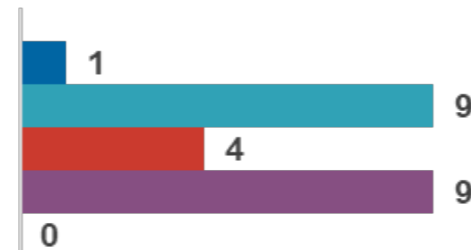
Maps + links to course syllabi and course schedules

# Scale of Adoption of Essential Pathways Practices: Helping Students Choose and Enter a Path

October 2016  
N=23

June 2018  
N=23

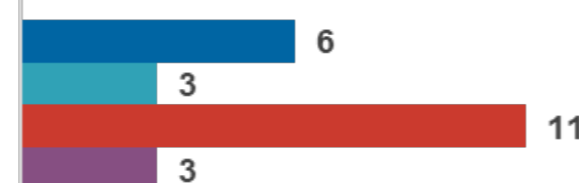
2A. Every new student is helped to explore career/college options, choose a program of study and develop a full-program plan as soon as possible.



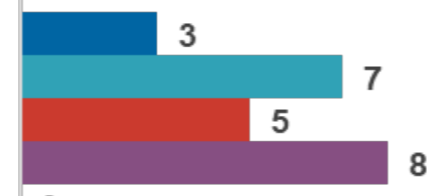
2B. Special supports are provided to help academically unprepared students succeed in the “gateway” courses for the college’s major program areas—not just in college-level math and English.



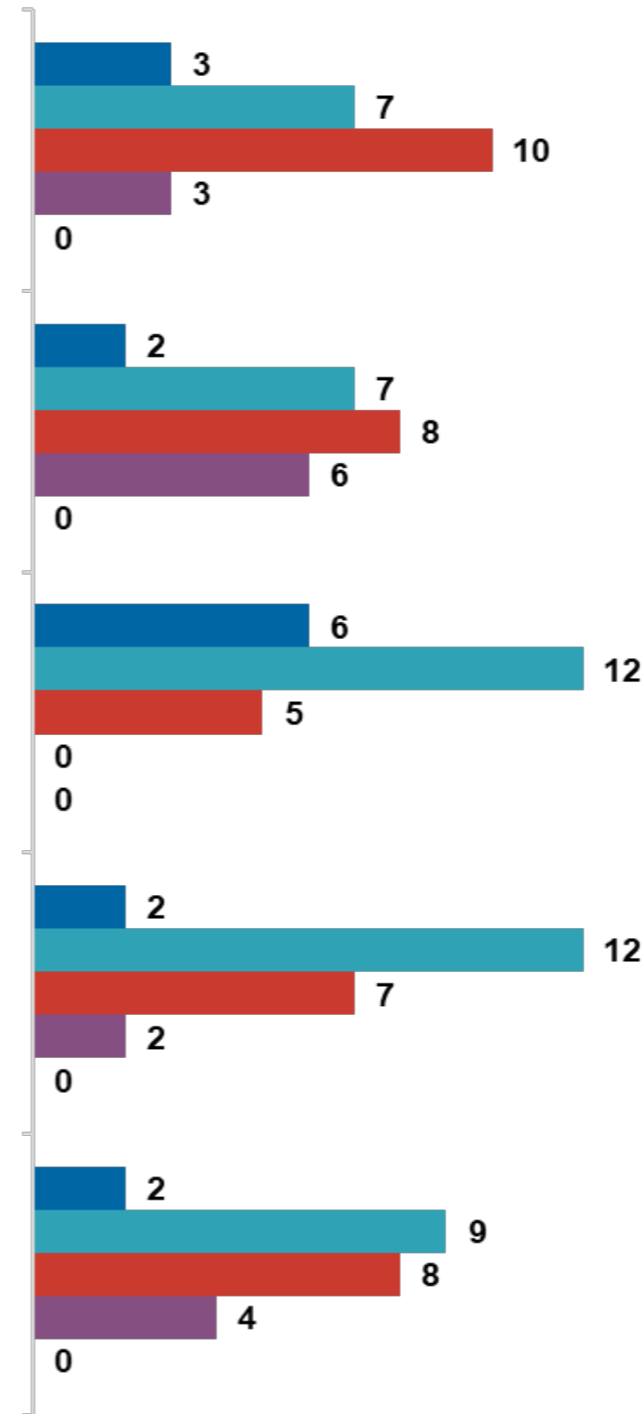
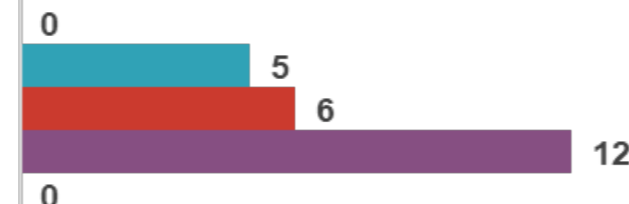
2C. Required math courses are appropriately aligned with the student’s field of study.



2D. Intensive support is provided to help very poorly prepared students succeed in college-level courses as soon as possible.

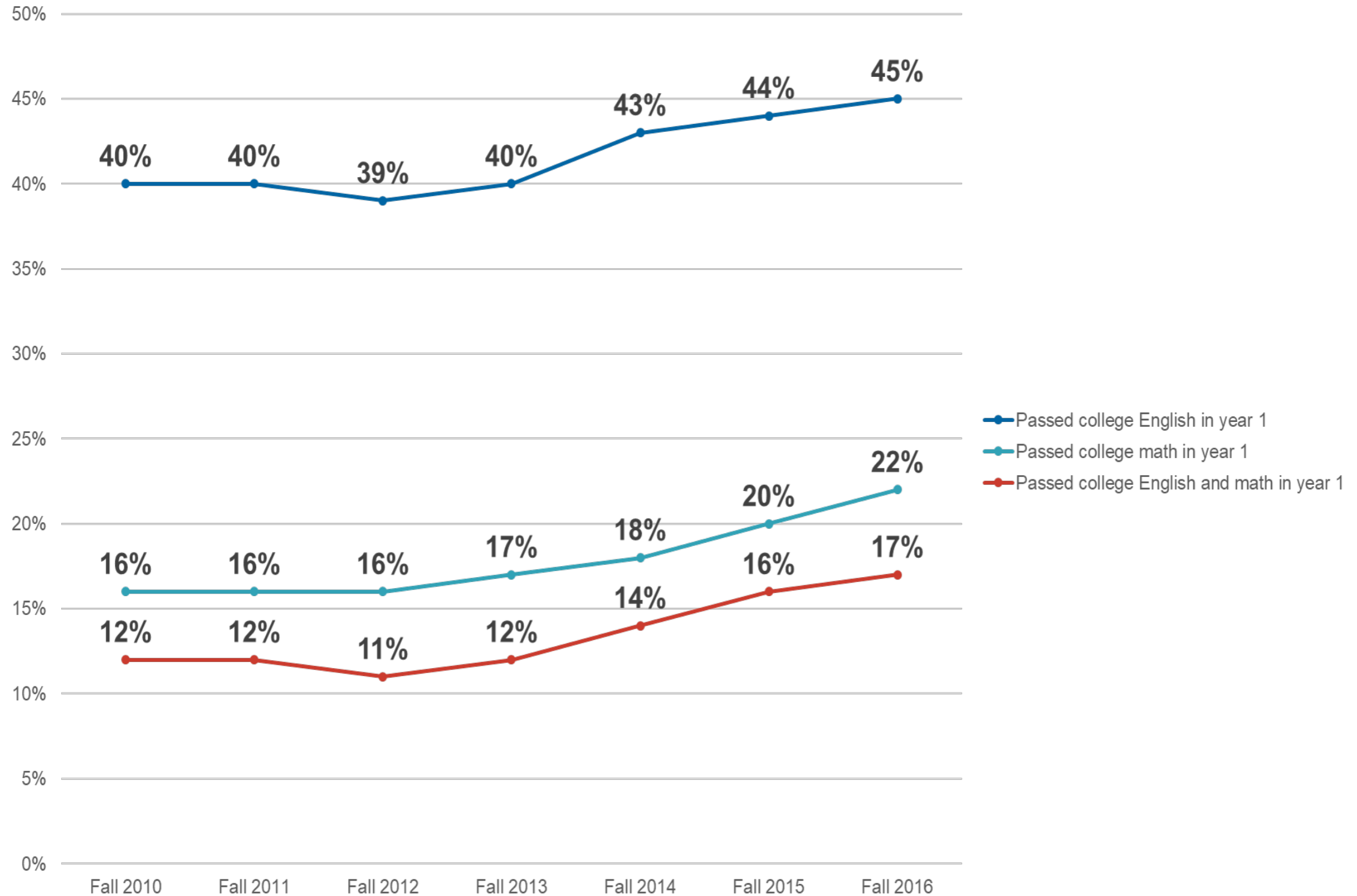


2E. The college works with high schools and other feeders to motivate and prepare students to enter college-level coursework in a program of study when they enroll in college.



- At Scale
- Scaling in Progress
- Planning for implementation
- Not systematic
- Not Occurring

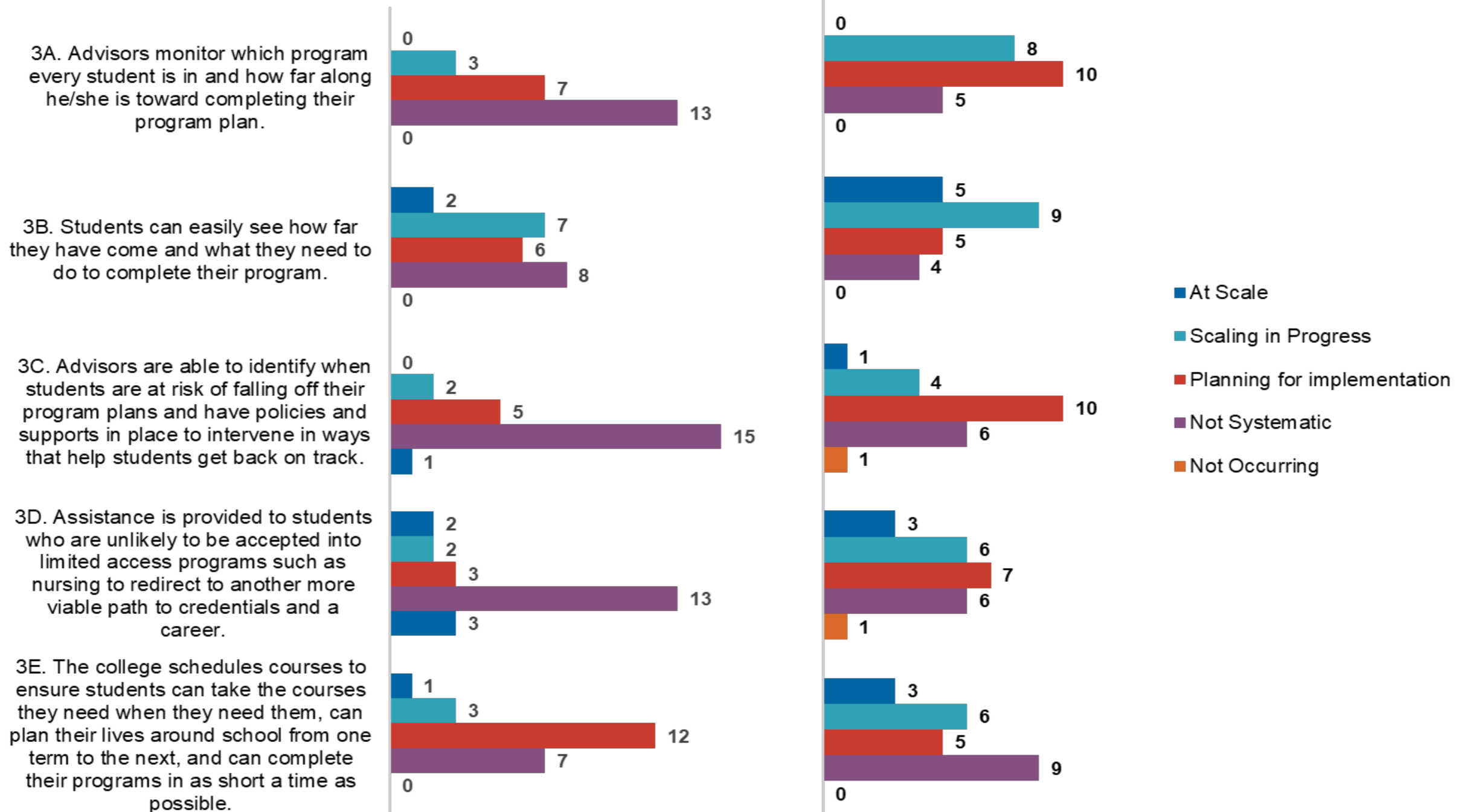
# Percentage of FTEIC Students Completing Gateway Math and English within Year 1



# Scale of Adoption of Essential Pathways Practices: Keeping Students on Path

October 2016  
N=23

June 2018  
N=23

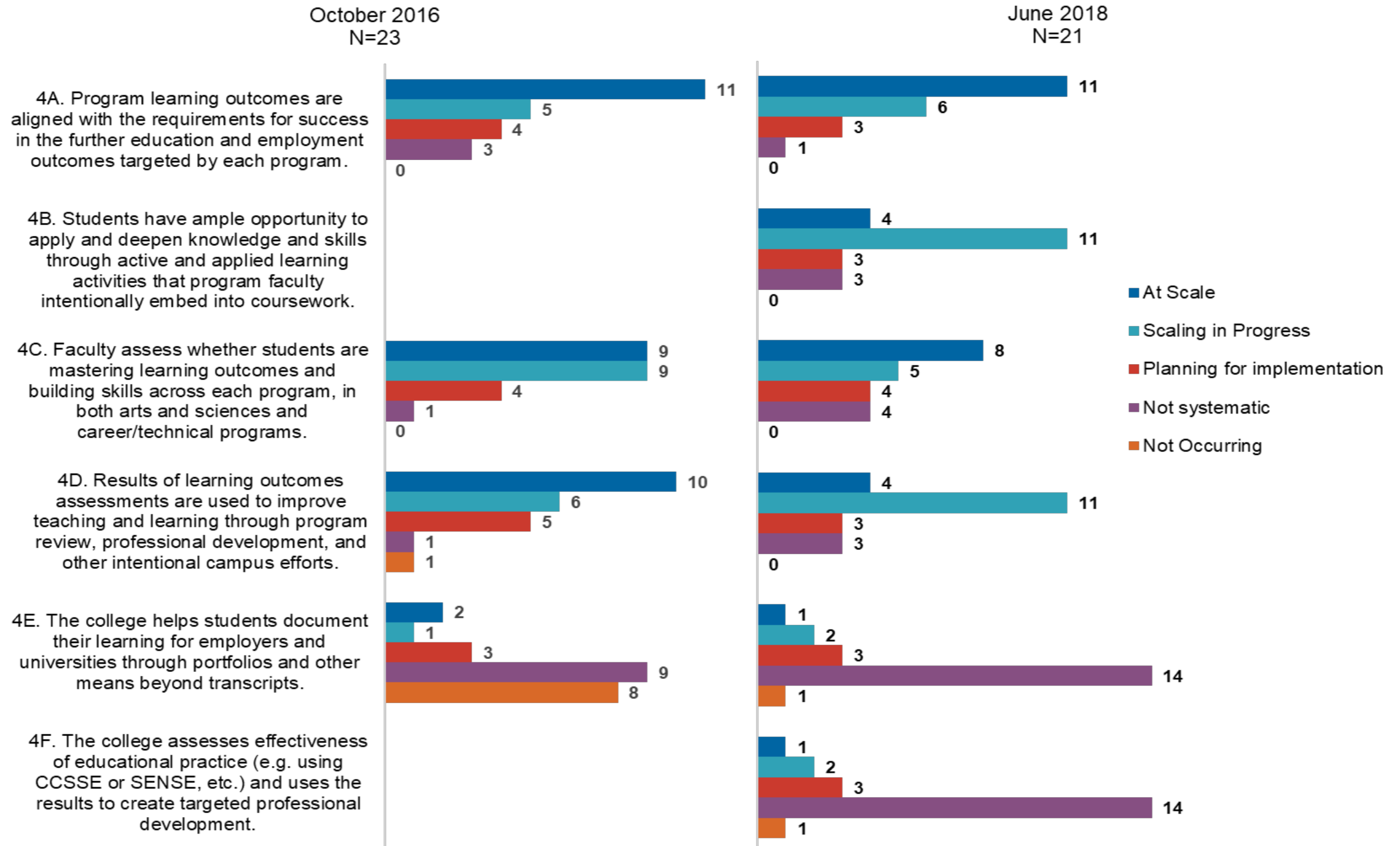


# Rethinking Student Advising along a Path

## Rethinking Student Advising

FROM		TO
Information dump at orientation	>	Support for major decisions along students' paths
Class scheduling based on what suits the college's schedule	>	Class scheduling planned to fit students' plans and schedules
Student progress gauged based on full-time vs. part-time status	>	Student progress conceived of as on-plan vs. off-plan
Advising and teaching thought of as two separate endeavors	>	A student-support environment where advisors teach and teachers advise
Course registration as a task where students self-advise	>	Course registration monitored by advisors to ensure students register for the right courses on their plan

# Scale of Adoption of Essential Pathways Practices: Ensuring That Students are Learning



# Guided Pathways **Model Practices**

- ✓ Organize programs into “meta-majors,” map programs to jobs and further education in high-opportunity fields
- ✓ Help all new students explore career/academic options and develop a full-program plan by end of term 1
- ✓ Schedule classes and monitor progress based on students’ plans
- ✓ Embed contextualized active learning into every program
- ✓ Integrate and contextualize academic support into college program gateway courses
- ✓ Build pathways into high schools, starting with dual enrollment

# Suggested Priorities for Guided Pathways in Ohio



# Priority #1

Bring to scale and align college math pathways and developmental education reforms using guided pathways as the framework.



## Priority #2

Continue to scale efforts to help all new students explore career and academic interests and develop a full-program plan by the end of their first term.



## Priority #3

Increase efforts to strategically use high school dual-enrollment to help students explore interests and develop college and career goals and plans while still in high school.



## Priority #4

Embed active learning throughout programs, but especially in critical program gateway courses.

Better to do something  
imperfectly than to do nothing  
perfectly.

# Feedback & Discussion

- **Question #1:** Are there any practices your college implemented that you need to revisit?
- **Question #2:** If your college made some substantial gains in practices between 2016 and 2018, to what do you attribute these successes?
- **Question #3:** Over the next academic year, what are the top three priorities for your college?