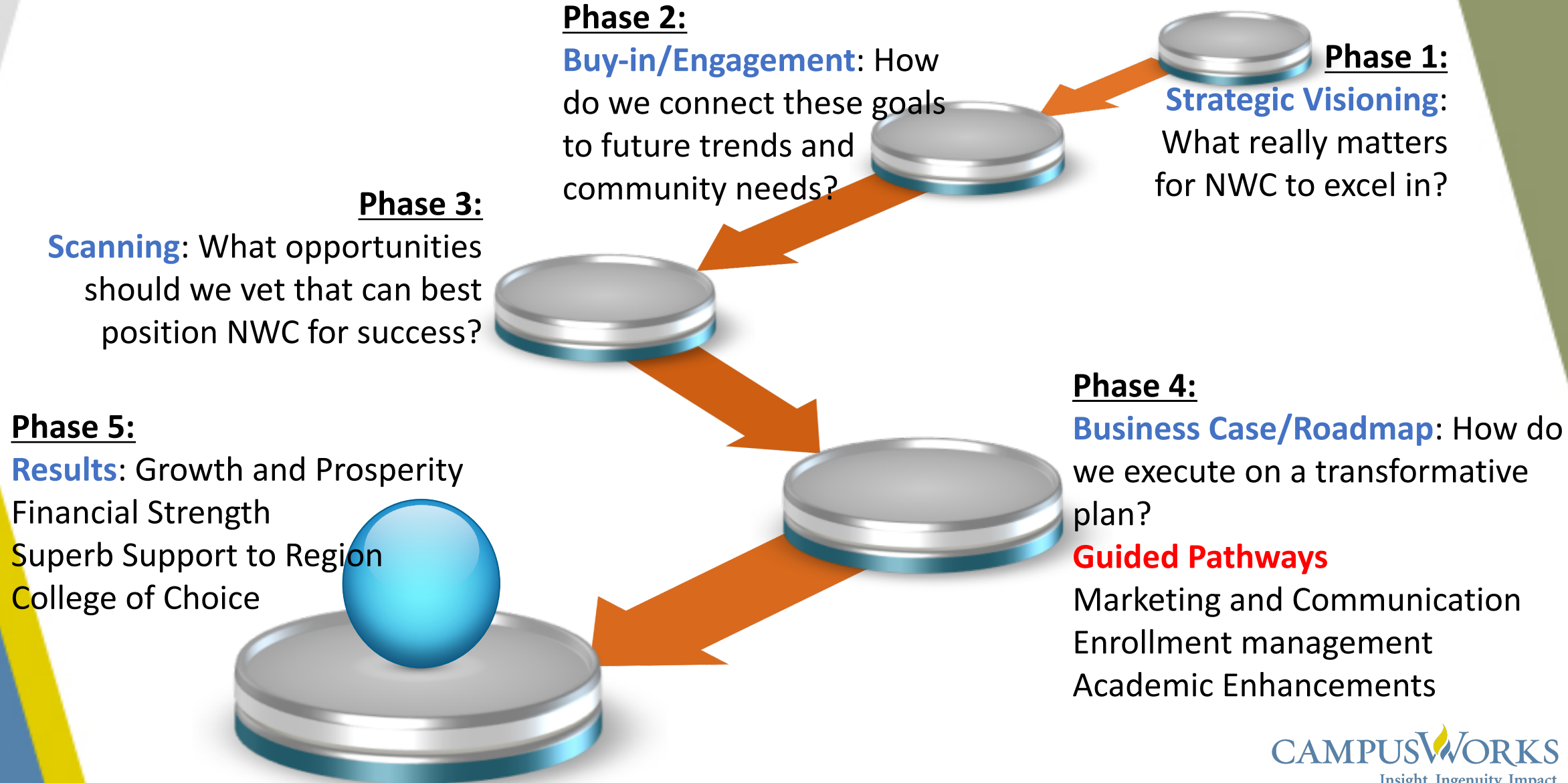


Guided Pathways

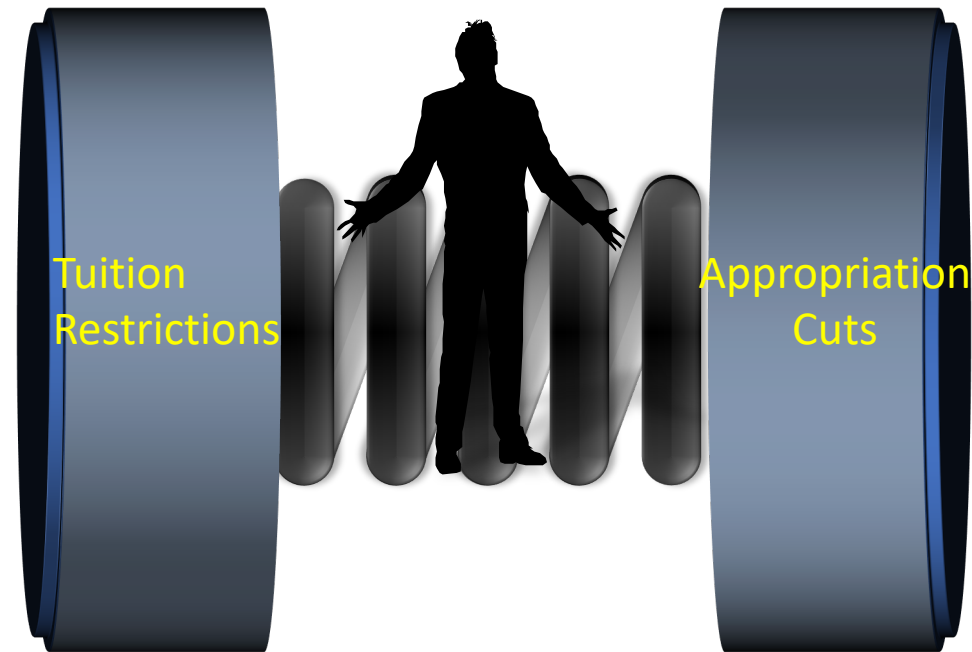
April 2021



Strategy Moving Forward



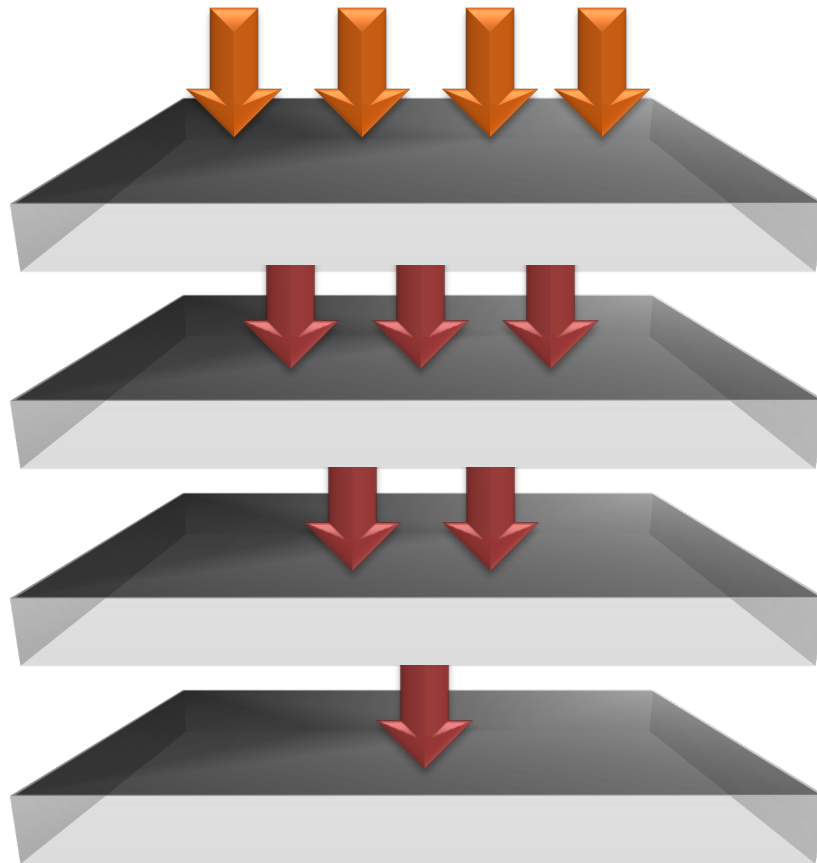
Caught in a Squeeze



-
- Loss of Revenue From Appropriations Cuts
 - Restrictions on Tuition Hikes
 - Lost Tuition Revenue from cancelled Programs
 - Hurts jobs and people

Our Major Obstacle

Start: 100%



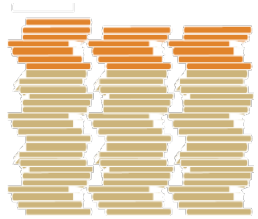
Finish: 44%

- Admissions are struggling
- Too many students “Stop Out” and don’t achieve their goals
- Excess failures cost us significant losses in revenue each year

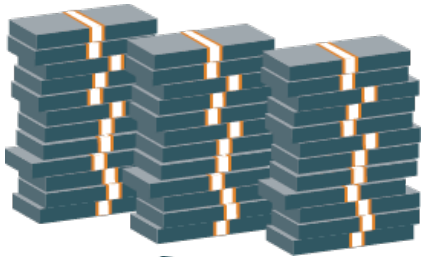
Students are...



Taking too much time



Taking too many Credits



Spending too much money



Not Graduating

Too Much Time to Degree

Of those who graduate

2-year
Associate

Full-time students take

3.9 Years



Part-time students take

5.5 Years



4-year
Bachelor's

Full-time students take

4.9 Years



Part-time students take

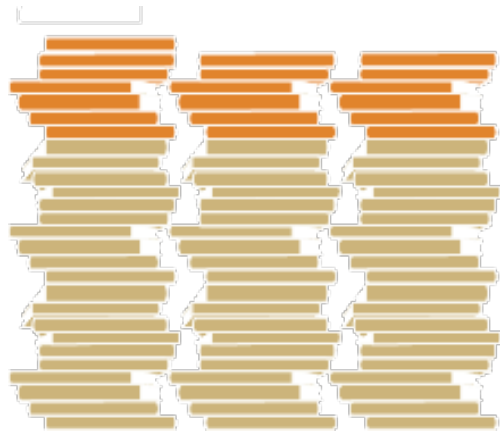
6.7 Years



Too Many Credits

2-year
Associate

78.8



60 Credits Standard

4-year
Bachelor's

136.2



120 Credits Standard

Very Few Graduate on Time

On-Time Graduation

Full-Time Students

2-year Associate



5.0%

4-year Bachelor's



18.1%

Too Few Graduate at All 150%-Time Graduation

Full-Time Students

2-year Associate



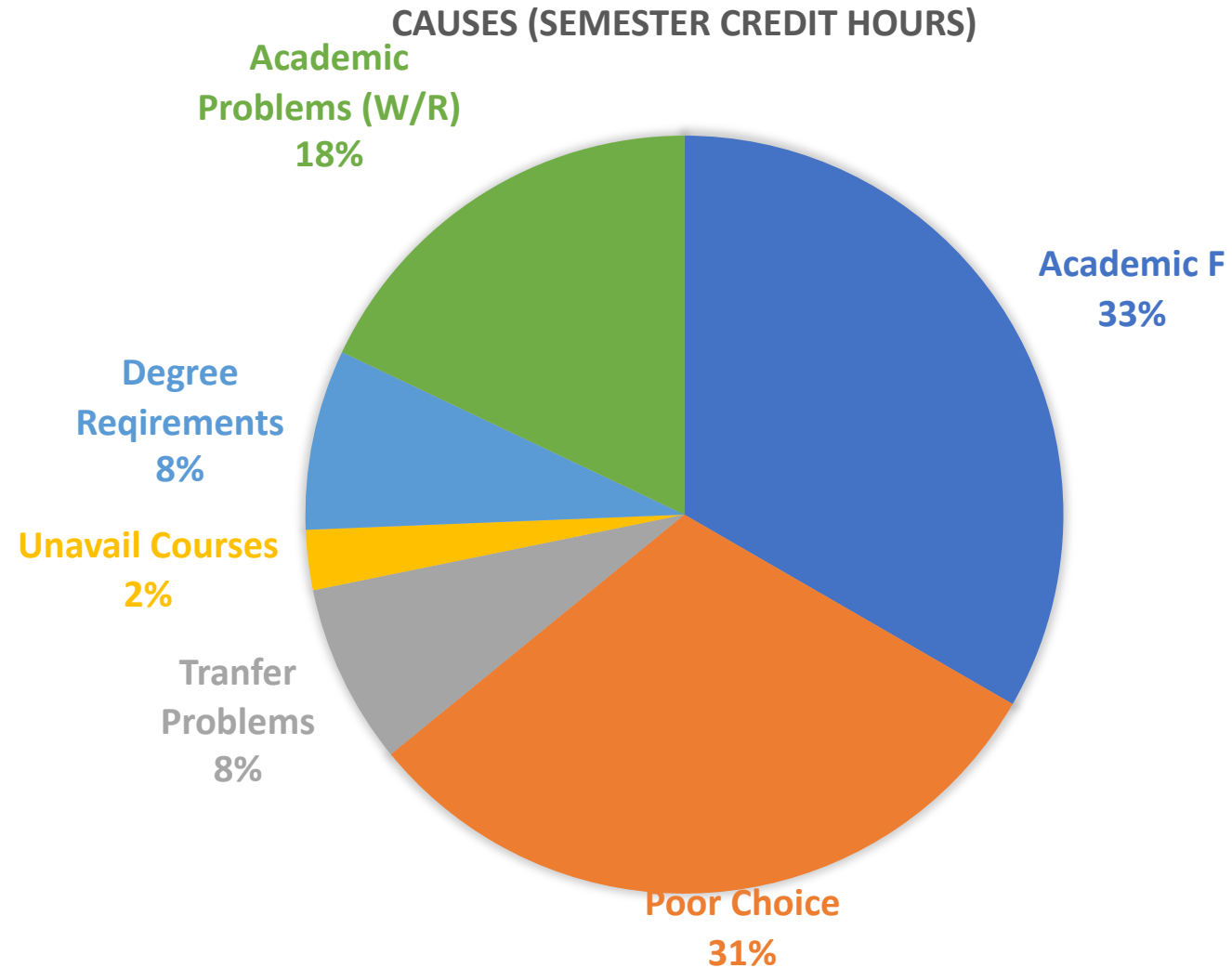
12.9%

4-year Bachelor's



43.2%

Why So Many Excess Credits?



Is There a Solution?



- Too much time
- Too many credits
- Too much money
- Too many fail

Some Simple Truths

College students are more likely to complete a degree in a timely fashion if they

- ❖ **choose a program and develop an academic plan early on,**
- ❖ **have a clear road map of the courses they need to take to complete a credential,**
- ❖ **receive guidance and support to help them stay on plan.**



Results Show GPS Can Help

Many Colleges Have Achieved Significant Improvement through Guided Pathways System

Cafeteria Model



Guided Pathways



Higher Grad Rates



More On-Time Grads



Close Achievement Gap



Fewer Lost Credits

Some Impressive Results

Georgia State University

- **Degree maps and intrusive advising**
- Graduation rates **up 20%** in past 10 years
- Graduation rates higher for:
 - Pell students, at **52.5%**
 - African American students, at **57.4%**
 - Hispanic students students, at **66.4%**
- More bachelor's degrees to African-Americans than any other U.S. university

34

City University of NY

- Students grouped into **cohorts** with consolidated **block schedules**
- **Doubled** graduation rates for associate degrees
- Graduation rate **3x higher** than national average for urban community colleges
- **55%** of fall 2007 cohort earned associate degrees in 3 years

37

Tennessee Technical Programs

- **Highly structured, block schedule** program
- More than **75%** of students **graduate**, at rate **3x** higher than peers, even though slightly poorer and older
- Center has certificate programs have **job placement** rates of **80% or higher**

38

Valencia State College

fall to spring retention rate: 78%
fall to fall retention: 70%
5 year graduation rate; 50%

What is Guided Pathways?

- ❖ **Guided Pathways is an institution-wide approach to student success based on intentionally designed, clear, coherent and structured educational experiences.**
- ❖ **GPS provides a semester-by-semester listing of courses designed to help students navigate through their program of study in a clear and concise manner that leads to completion within the scheduled two or four years.**
- ❖ **The guided pathways approach presents courses in the context of highly structured, educationally coherent program maps.**
- ❖ **GPS design leads people to make more informed, deliberate decisions and contains “default choices” that are in the person’s best interest given his or her educational goals**



Essential Components of GPS



Default Pathways

What it really
looks like

What we think
it looks like



Informed Choice



Meta-Majors



Academic Maps



Milestone Courses



Intrusive Advising



Structured, Default Pathways built for On-Time Graduation



- **Students don't “discover” the right path; the academic map is the default schedule.**
- **Students do not need permission to register for courses on their schedule.**
- **They do need permission to take courses not on their schedule.**



Informed Choice

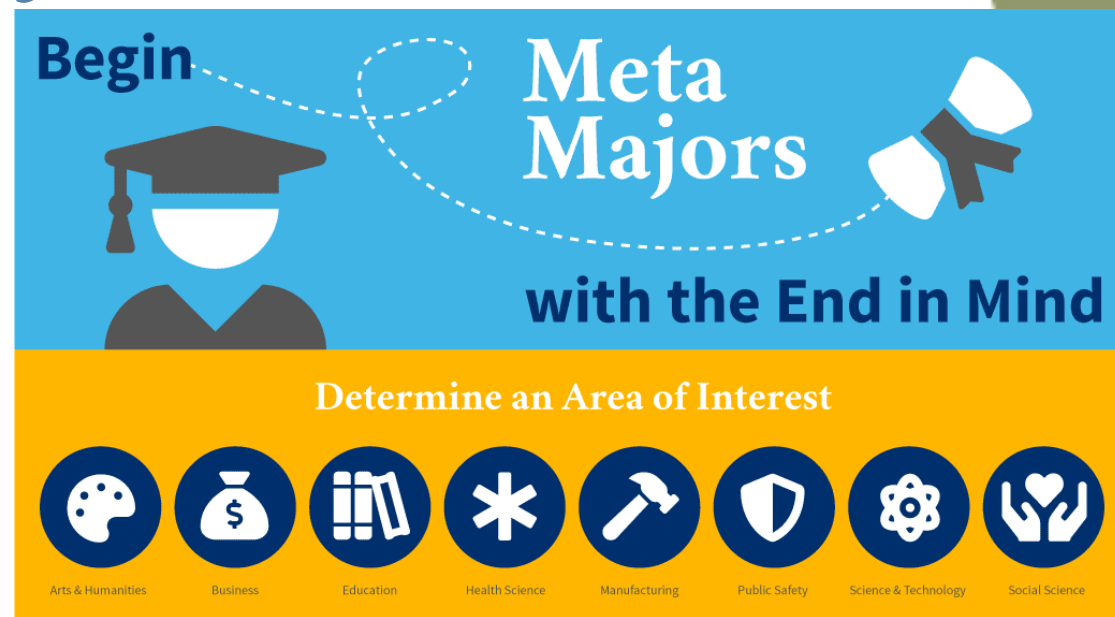


- Provides information on careers and opportunities for further study
- Uses electronic high school transcripts
- Uses high school performance and other measures to recommend broad academic pathways — “meta-majors”
- Presents default pathways



Meta Majors

- **Students must choose a meta-major — broad clusters of majors**
- **No student is “unclassified” — those who can’t decide are defaulted into Liberal Arts**



STEM

Liberal Arts

Health Sciences

Education

Social Sciences

Business

Math is Aligned with Meta-Majors

Health Sciences
Social Sciences
Liberal Arts
Education
Business

Quantitative Reasoning
Statistics

Degree
4-yr Transfer
Certificate
License

STEM

College Algebra/
Precalculus

Degree
4-yr Transfer
Certificate
License

Meta-Majors to Majors

- **Meta-majors help students make the big choices**
- **Once in a meta-major, they clarify a student's path to a major**
- **A semester-by-semester academic map is the sequential, prescriptive schedule of classes for the meta-major and the major**

Academic Maps



ACADEMIC MAP



First Semester		
Course	Credit Hours	Significance
ENGR 124— INTRODUCTION TO PLC PROGRAMMING	3	
CS 121— COMPUTER PROGRAMMING 1	4	Prerequisite
MATH 126 — COLLEGE ALGEBRA	3	
ENGL 101— Composition 1	3	
ELEC 101 and ELEC 101L— ELECTRICITY AND ELECTRONICS FUNDAMENTALS	3	
TOTAL	16	
Second Semester		
Course	Credit Hours	Significance
ENGR 230— CONTROL SYSTEMS	3	Prerequisite
CS 122— COMPUTER PROGRAMMING 2	4	
MATH 128— TRIGONOMETRY	3	Math completed
ENGR 120— ENGINEERING METHODS FOR TECHNICIANS	3	
ENGR 240— HEATING AND COOLING SYSTEMS 1	3	Prerequisite
TOTAL	16	

ET

The Engineering Technology Associate in Applied Science Degree


provides a sound framework in basic engineering courses and experience needed for employment in a wide variety of fields. Graduates are prepared to solve problems and make calculations in their specialty fields. Fundamentals are stressed with the expectation that graduates can offer basic entry skills to the majority of industrial and technical employers.



MILESTONE COURSES

Academic Maps



Third Semester		
Course	Credit Hours	Significance
PSCI 111 and 111L— INTRODUCTION TO PHYSICAL SCIENCE	4	
ENGR 234—ADVANCED CONTROL SYSTEMS or ENGR 241— HEATING/COOLING SYSTEMS 2	3	
DRAF 114— ELECTRICAL DRAFTING	3	
Society, Diversity & Connections Elective	3	See Reverse.
COMM 111—FUNDAMENTALS OF SPEECH	3	
TOTAL	16	
Fourth Semester		
Course	Credit Hours	Significance
ENGR 220— FLUID, MECH, AND ELEC POWER SYSTEMS	3	
CIT 105— NETWORK FUNDAMENTALS	3	Cisco 1 
ENGR 228—EMBEDDED SYSTEMS PROGRAMMING or ENGR 250 BUILDING AUTOMATION CONTROL	3	
ENGR 280— SPECIALIZED TECHNOLOGIES	4	Capstone
TOTAL	15	



These courses are the keys to graduation. Courses should be taken in the recommended semesters to stay on time for completion.



Potential Careers

Automated systems technician, Industrial technician, Building controls technician, Robotics technician, Installation Services Coordinator.



CAPSTONE COURSES

A semester long major project that must be taken in the graduation semester. A "C" or better must be earned.

15 & 30



Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

Milestone Courses



- **Prerequisite courses are designated for each semester**
- **They must be taken in the recommended sequence**
- **The college must guarantee the courses are available in the sequence and terms designed in the academic maps**

Intrusive Advising



- **Students must see their advisors before registering for classes if:**
 - they do not complete the milestone course on schedule
 - they fall 2 or more courses behind on their academic map
 - they have a 2.0 GPA or less for the semester

Other Considerations

- ❖ **Block schedules of classes**
- ❖ **Cohorts of students**
- ❖ **Students choose programs or majors
not courses**
- ❖ **Attendance required**

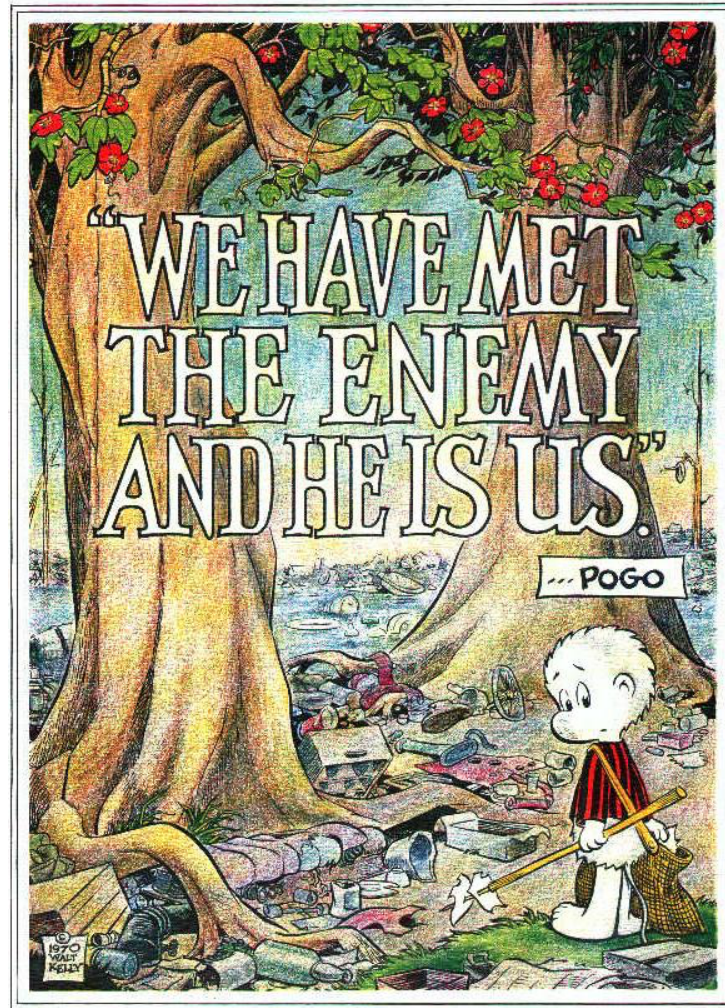
Additional Considerations

- **Remediation is embedded or co-requisite.**
- **15 credit-hours is the default load.**
- **Degree requirements should not exceed 120 credits for a 4-year degree and 60 credits for 2-year degree.**

This will take time



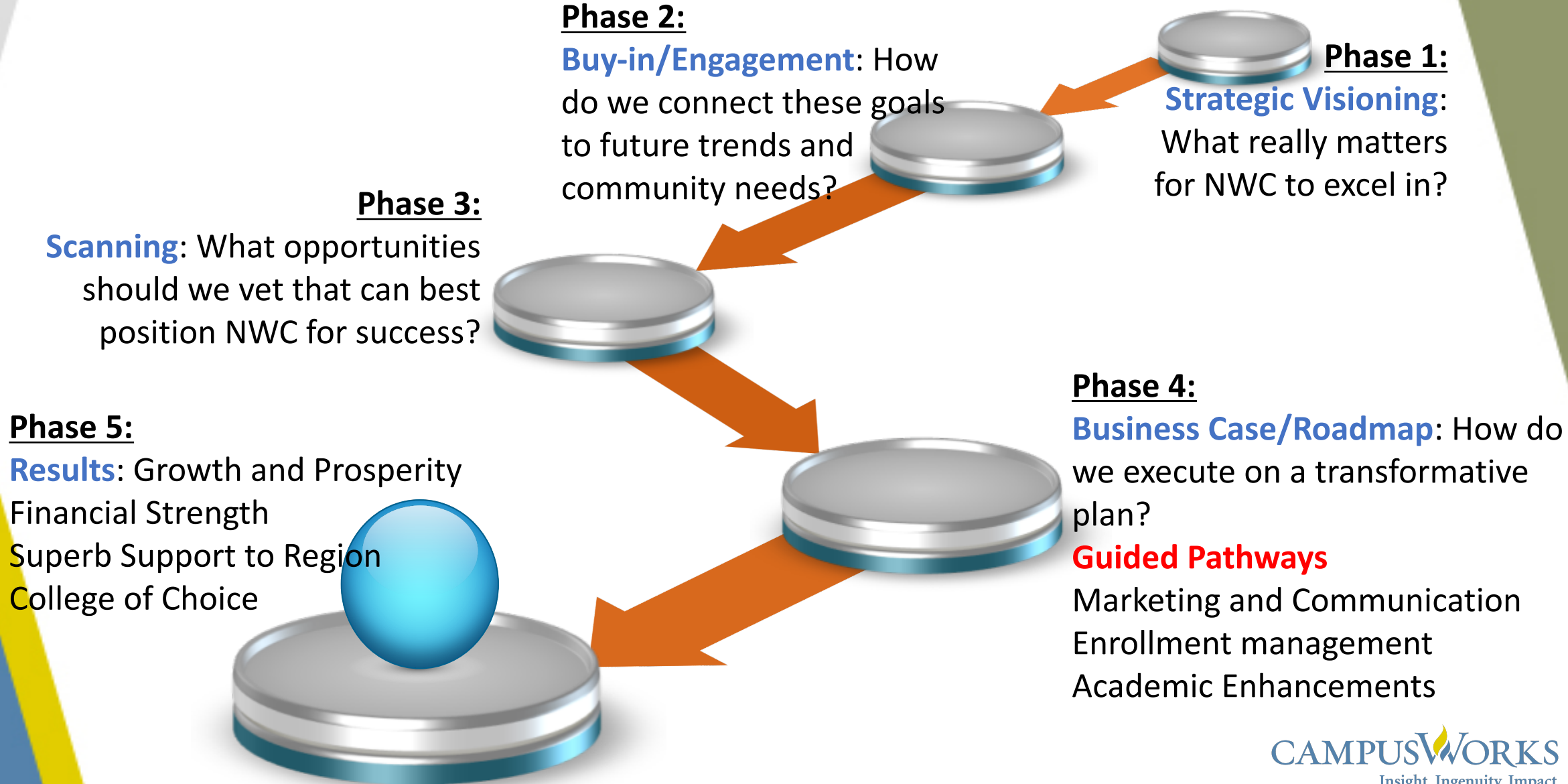
We have met the enemy...

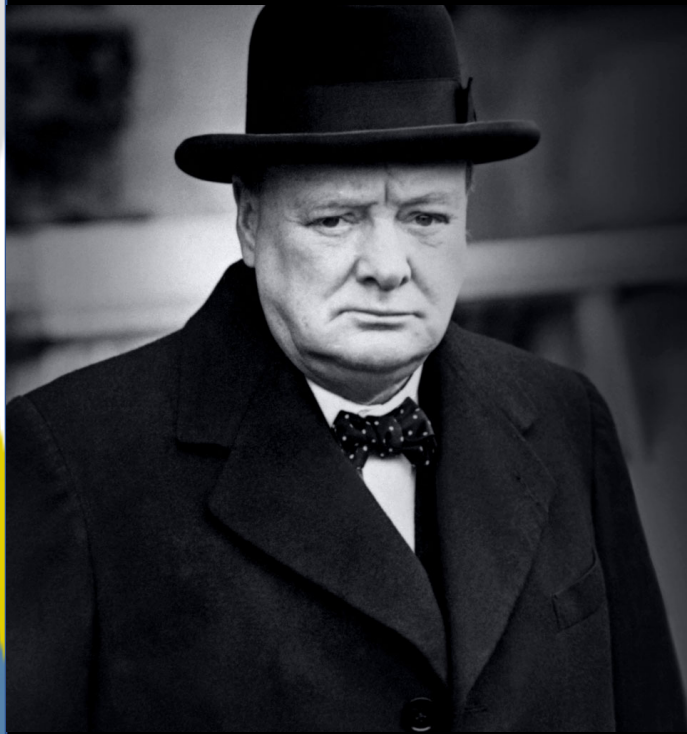


Keys to Successful Implementation of GPS

- Inform and Motivate the Community (Faculty/Staff/Board/Trustees)
- Be Totally Transparent and Committed
- Integrate GPS into Strategic Plan and Activities
 - Do NOT do it piecemeal
 - Do NOT do it as a separate activity
 - Be truthful and consistent
- Celebrate the Results
 - Better use of faculty in larger sections
(Reduced teaching load by 200 sections/year = hundreds of thousands of dollars)
 - Students taking more credit hours = increased FTE and student success
 - Retention up 10%
 - Enrollment up 7%
 - Balanced Budget/faculty and staff raises/morale sky-high

Strategy Moving Forward





**"This is not the end.
It's not even the beginning of the end.
But it is the end of the beginning."**

--Winston Churchill

Questions

