



Pathways 101

SUNY Guided Pathways Institute #1



Presenter

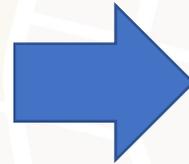


Jesse Coraggio, *Vice President
IE and Academic Services*

Why Implement Guided Pathways?



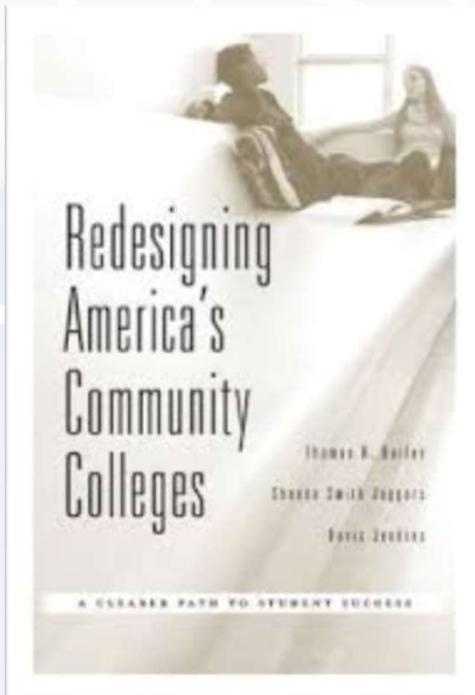
“Before”



“After”

- Too many students wander because they are:
 - Undecided in regard to career goals
 - Unaware of the elements of a chosen career
 - Disconnected regarding the initial curriculum and their career choice

Sobering facts from the Bailey, Jaggars, Jenkins work*



- Every year, 1200 community colleges in the U.S. enroll over ten million students, representing half of the country's undergraduates.
- Only 40% complete an undergraduate degree within six years
- “Average tuition and costs for a full time student at a community college totaled just \$3,264 per year in 2013-2014.”
- “Financial aid from all sources resulted in students receiving \$1,550 over and above the costs of tuitions and fees.”

*Bailey, T. R., Jaggars, S.S. & Jenkins, D. 2015

Contributing Factors...

- Too many credits completed for AA degree [81 hrs]
- Too many credits completed for AS degree [93 hrs]
- New Financial Aid Federal Statute interpretations
- Students in good academic standing leave institutions
- Excess hours penalty

*Focus on completion,
while maintaining access.*



SPC's 5-year Evolution

- General Education Reform
- College Experience
 - New Student Orientation (NSO)
 - Integrated Career and Academic Advising
 - Out-of-Class Support
 - Individualized Learning Plan (MLP)
 - Early Alert System
- Summer Institutes
 - Quality Assurance
 - Program Learning Outcomes
 - 180+ Academic Pathways
 - Alignment to Industry Certification



St. Petersburg College



Guided Pathways Dimensions

There are Four Dimensions of the Pathways Model:

1. Clarify paths to student end goals
2. Help students choose and enter a pathway
3. Keep students on path
4. Ensure that students are learning

*Support students beginning “with the end in mind”
from first contact until employment or transfer.*

Dimension 1: Clarifying the Path

CLARIFYING THE PATH

- Mapping programs “with the end in mind”
- Aligning course content and student learning outcomes
- Identifying milestone courses
- Identifying the right math
- Review pathway curriculum for coherence
- Select recommended elective courses



We must clarify the path and create Career and Academic Communities for students to join.

Source: Pathways Institute #2 PowerPoint by Kay McClenney

Clarifying the Path

ACADEMIC PATHWAY

Computer Networking Associate in Science Degree

Seq #	Course	Course Title	Credit	Type	Term Offered	Pre-Req.	Options Avail.
1	CGS 1070	Basic Computer and Information Literacy	1	Gen Ed	F, Sp, Su		Y
2	PHI 1600	Studies in Applied Ethics	3	Gen Ed	F, Sp, Su		Y
3	COP 1000	Introduction to Computer Programming	3	Core ^{1,2}	F, Sp, Su		
4	MAT 1033	Intermediate Algebra	3	PreReq	F, Sp, Su		
5	CET 1171C	Computer Repair Essentials	3	Core ^{1,2,4}	F, Sp, Su		
6	MAC 1105	College Algebra	3	Gen Ed	F, Sp, Su	Y	
7	CNT 1000	Local Area Network Concepts	3	Subplan ^{1,2,3}	F, Sp, Su	Y	
8	CET 1172C	Computer Support Technician	3	Core ^{1,4}	F, Sp, Su		
PREPARATION FOR COMPTIA A+ INDUSTRY CERTIFICATION COMPLETED							
9	ENC 1101	Composition I	3	Gen Ed	F, Sp, Su		Y
10	SPC 1065	Business and Professional Speaking	3	Gen Ed	F, Sp, Su		Y
11	CTS 1327	Configuring and Administering MS Windows Client	3	Subplan ^{1,2,3}	F, Sp, Su		
12	CTS 1328	Installing and Configuring Windows Server	3	Subplan ^{1,3}	F, Sp, Su	Y	
13	CTS 2106	Fundamentals of the Linux/Unix Operating Environment	3	Subplan ^{1,2,3}	F, Sp, Su	Y	
COMPUTER SUPPORT CERTIFICATE COMPLETED							
14	POS 2041	American National Government	3	Gen Ed	F, Sp, Su		Y
15	CTS 2321	Linux System Administration I	3	Subplan ²	F, Sp	Y	
16	CTS 2322	Linux System Administration II	3	Subplan ²	F, Sp	Y	
LINUX SYSTEM ADMINISTRATOR CERTIFICATE COMPLETED							
17	HUM 2270	Humanities (East-West Synthesis)	3	Gen Ed	F, Sp, Su		Y
18	CTS 1334	Administering Windows Servers	3	Subplan ³	F, Sp	Y	
19	CTS 1303	Configuring Advanced Windows Server Services	3	Subplan ³	F, Sp	Y	
MICROSOFT CERTIFIED IT PROFESSIONAL: SERVER ADMINISTRATOR CERTIFICATE COMPLETED							
20	CIS 2321	Systems Analysis and Design	3	Core	F, Sp, Su	Y	
21	CTS 1411	Fundamentals of Information Storage and Management	3	Core	F, Sp	Y	
22	CTS 2370	Configuring and Managing Virtualization	3	Core	F, Sp	Y	
23	CNT 2940	Computer Networking Internship	3	Core	F, Sp, Su		

Total program credits: 67

(Includes MAT 1033 & Computer Competency)

¹ Part of Computer Support Certificate

² Part of Linux System Administrator Certificate

³ Part of Microsoft Certified IT Professional: Server Administrator Certificate

⁴ Preparation Course for CompTia A+ Industry Certification

Term Offered: **F** - Fall | **SP** - Spring | **SU** - Summer | Type of Course: **Core** - Required for the Program | **Elective** - Options based upon personal interest | **Gen Ed** - General Education | **PreReq** - Prerequisite | **Subplan** - Specific to a particular degree option

Dimension 2: Help Students Choose and Enter a Path

HELP STUDENTS CHOOSE AND ENTER A PATH

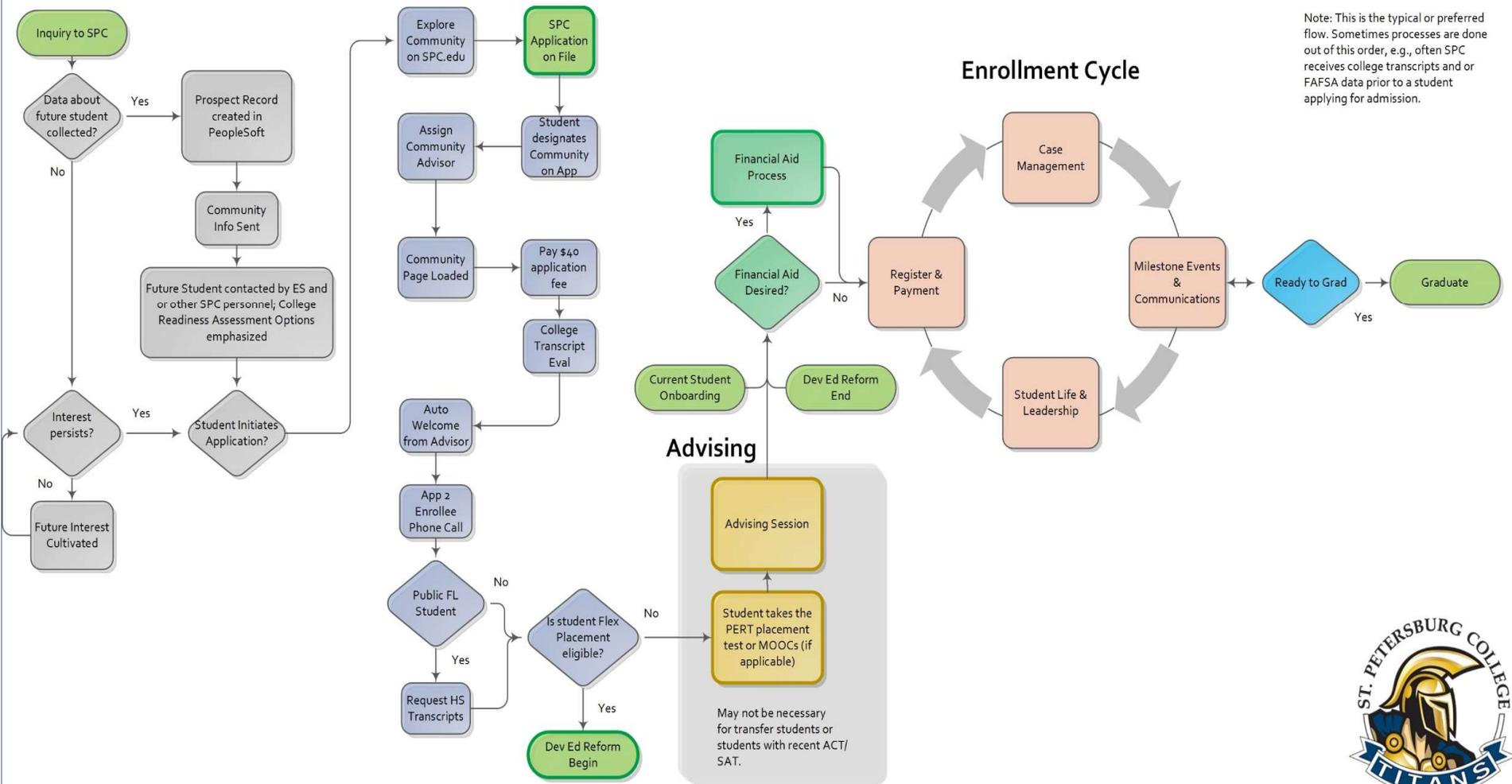
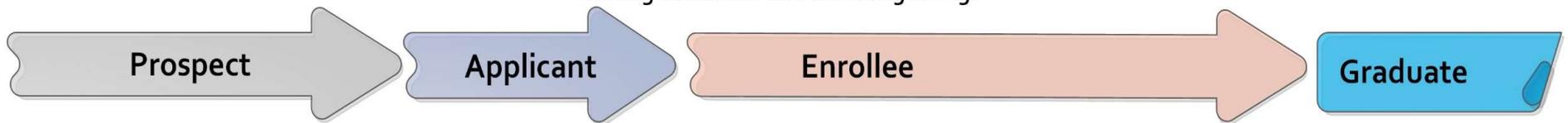
- Strengthen and clarify student-facing information about jobs/careers/transfer options
- Align advising with critical student choices and milestones
- Embed intrusive advising in pathways



Source: Pathways Institute #2 PowerPoint by Kay McClenney

Typical On-Boarding Path for Degree/Certificate Seeking Student at St. Petersburg College

Last Modified: Jan. 1, 2017



Note: This is the typical or preferred flow. Sometimes processes are done out of this order, e.g., often SPC receives college transcripts and or FAFSA data prior to a student applying for admission.



Dimension 2: Help Students Choose and Enter a Path

Application

SPC St. Petersburg College Live Chat | 727-341-3400

1 MY PROFILE 2 **CHOOSE DEGREE & MAJOR** 3 MY SCHOOLS 4 MY RESIDENCY INFO 5 REVIEW

Home Logout

My Major

Degree Information

*COMMUNITY

Public Safety, Policy and Legal S ▾

Explore Communities

*CHOOSE YOUR DEGREE

Associate in Science ▾

Not sure which degree is for you?

*CHOOSE YOUR MAJOR

- Crime Scene Technology
- Criminal Justice/Public Safety
- Digital Forensics and Computer
- Emergency Admin Management
- Fire Science Technology
- Paralegal Studies

Where will you attend classes?

- Allstate Center
- Clearwater
- Downtown/Midtown
- Health Education Center
- Online
- Seminole
- St Petersburg/Gibbs
- Tarpon Springs



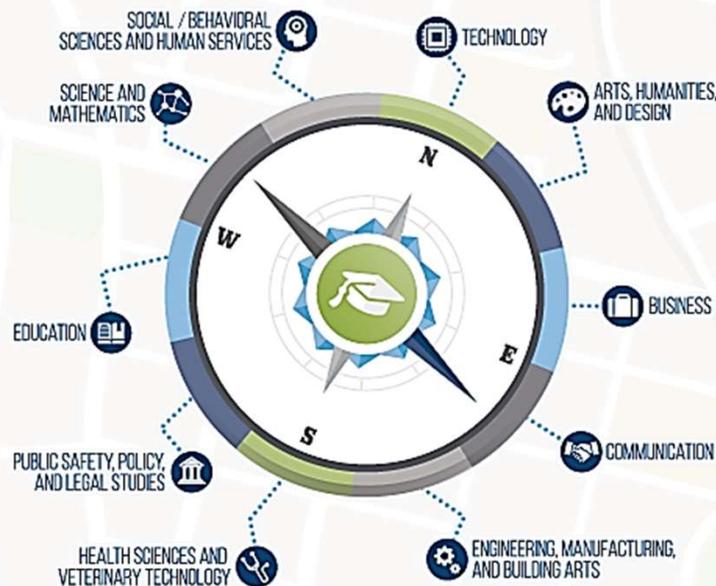
Previous Save and Continue

Dimension 2: Getting Students on the Path?

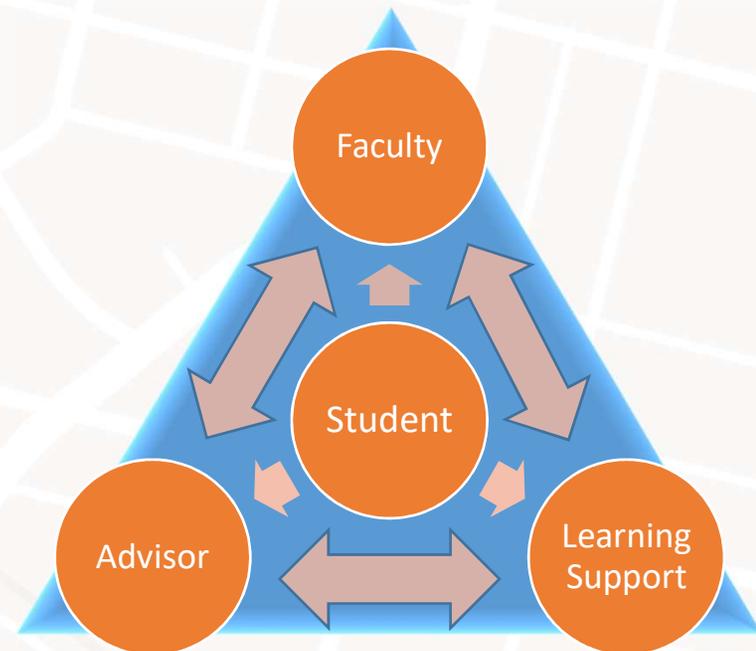
From Passion to Profession...

Students who feel connected to their passion/career and supported by the college will be more engaged and ultimately more successful.

Career and Academic Communities



Triad Leadership Model



Career Development Facilitator (CDF) Training

Help Students Choose and Enter a Path

HELP STUDENTS CHOOSE AND ENTER A PATH

- Identify preliminary interest from 10 career areas.
- Smart Start Orientation.
- Create common coursework for the first 25% of the enrollment for each Career and Academic Community.
- Possible contextualization of initial general education courses.
- Provide experiential learning opportunities (e.g. job shadowing, informational interviewing).

Source: AACC Pathways presentation from 4-7-15 SPC BOT meeting



TECHNOLOGY DEGREES AND PROGRAMS

BACHELOR'S DEGREES

Technology Development and Management

ASSOCIATE IN ARTS TRANSFER PLAN

Information Systems Management

ASSOCIATE IN SCIENCE

Computer Information Technology
Cybersecurity
Computer Networking
Computer Programming and Analysis
Web Development

CERTIFICATES

Help Desk Support Specialist
Cybersecurity
Computer Support
Cisco Certified Network Associate
Linux System Administrator
Microsoft Certified Solutions Associate
Computer Programmer
Computer Programming Specialist
Web Development Specialist



Smart Start

Module 1: Student Resources

Drop/Add, Student Service Hub, Ride Free, BayCare SAP, Accessibility Services, Learning Resources presentation, Student Life and Leadership

Module 2: SPC Systems

Student Rights and Responsibilities, SPC Policies and Procedures, Campus Safety, Overview of Career and Academic Communities, Introduce Workplace, Focus 2 (out of class assignment)

Module 3: Career Planning

Career Advisor presentation, Financial Aid, Entering Student Survey, Virtual Job Shadow activity and post to Workplace

Module 4: Academic Planning

Academic Pathways and MLP

Funeral Services and Arts



School of Veterinary Technology



Health Information Technology



Physical Therapist Assistant



Health Sciences



Radiography



Nursing



Respiratory Care



SmartStart Orientation Workplace By Facebook

Dimension 3: Keep Students on a Path

KEEP STUDENTS ON A PATH

- Define appropriate communication milestones encouragement and intervention
- Embed meaningful career and/or transfer skills
- Set policies for completing college level Math and English requirements

Source: AACC Pathways presentation from 4-7-15 SPC BOT meeting

Student Engagement and Career Connections

Students who are career-focused and engaged at the college are more successful.

Integrated Career and Academic Advising

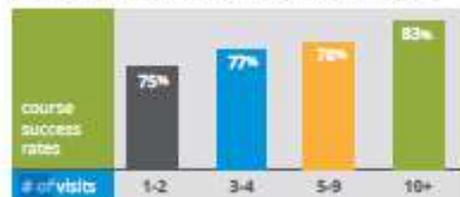
FTIC students who have identified a career are 10% more successful* in their classes than students who have not.



*Success is defined as earning a grade of A, B or C in a class.

Out-of-Class Support

The more often students visited the learning centers, the more successful they were in their courses.



My Learning Plan

FTIC students with a My Learning Plan had higher success rates and were less likely to withdraw.



20%
higher
success rate

8%
lower
withdrawal rate



Source: Student Success Report, Spring 2015

Dimension 3: Keep Students on a Path

SParC - Shared Faculty/Advising tool that gives insight into the student academic performance real-time as well as flexible ways to contact student

My Home > SLS1101 The College ...

Course Home Calendar Course Content Communicate Reports Submission Review Grades Edit Course Capture Central LOR

Student Grade Sorter

Grade Range Flagged Students All Students [* SParC User Guide](#)

60% < Below 80% & Below Above > 100%

Email All Users Email Selected Users

Displaying (4) students 80% or below.

Image	Last Name, First Name	Current Overall Grade	* SParC	Call	Notes	Email
	F	51.95 % 160 / 308	SParC	Call	Notes	Email
	F	60.39 % 186 / 308	SParC	Call	Notes	Email
	F	76.62 % 236 / 308	SParC	Call	Notes	Email
	F	79.22 % 244 / 308	SParC	Call	Notes	Email

Dimension 3: Keep Students on a Path

SParC - Shared Faculty/Advising tool that gives insight into the student academic performance real-time as well as flexible ways to contact student

The screenshot displays the SParC my|Courses interface. On the left, a student profile for Matthew [redacted] is shown with various attributes: Campus (Clearwater Campus), Career path (Health Sciences and Veterinary Technology), Children (none), Goal (Pursue a Career in Nursing), Motivation (Just believe in yourself...), and Preferred classes (4 classes, Weekday Afternoons & Evenings, Fri Mornings). A 'Student Self Assessment' section lists categories like Study skills, Technology, Ready to learn, Motivation, Time management, and Support and Space, with a note that answers come from the student's self-assessment. On the right, a table shows course performance:

Course Title	Current Grade	Last Login
ENC1101 Composition I Mode (In Class) Class# 5143 Instructor:Coder	18.31/25 73.2 %	2017-09-05
PHI1600 Studies in Applied Ethics Mode (In Class) Class#: 3255 Instructor:Wynn	74.00/80 92.5 %	2017-09-05
PSY1012 General Psychology Mode (In Class) Class#: 1211 Instructor:Hoffman	50.00/800 6.3 %	2017-09-05
CGS1100 Computer Applications Mode (In Class Lab) Class#: 5731 Instructor:Sheriff	429.10/445 96.43 %	2017-09-05
SSC1101 Smart Start Orientation Mode (In Class) Class#: 7961 Instructor:Fisher	30.00/30 100 %	2017-09-05

At the bottom, three buttons are visible: SParC (labeled 'Text student'), Notes (labeled 'Instructor Notes'), and Email (labeled 'Email student'). Red circles and arrows highlight the 'Current Grade' and 'Last Login' columns in the table, and the 'Student Self Assessment' section.

Dimension 4: Ensure that Students are Learning

ENSURE THAT STUDENTS ARE LEARNING

- Strengthen assessment by identifying where learning outcomes are introduced, practiced, reinforced and finally mastered with supporting documentation
- Faculty review how program learning outcomes should change along the pathway to align their course and assessment protocols.



Source: AACC Pathways presentation from 4-7-15 SPC BOT meeting

Dimension 4: Ensure that Students are Learning

ENSURE THAT STUDENTS ARE LEARNING

- Map program learning outcomes to career and academic pathway courses.
- Promote discipline-appropriate strategies for active & collaborative learning (e.g., service learning, group projects).
- Align discipline-appropriate co-curricular learning.



Source: AACC Pathways presentation from 4-7-15 SPC BOT meeting

2016-17 Implementation Plan: Engage College-wide Stakeholders

- Faculty Dinner Conversations
- Student Services Lunches to introduce guided pathways
- Summer Institute to develop milestones and common first 15 credit hours
- Student Services discussions and planning sessions
- Fall Faculty Welcome Back
- Campus Pathways Forums
- Advisory Committee Meetings
- All College Day
- Moving the Needle



Auto-Grad

Student
Initiated



Reversed the model – Graduation traditionally student initiated, effective Spring 2016, completely college-initiated

Degree candidates identified at beginning of term, notified of eligibility for both primary degree sought and any embedded credentials

Graduation application and fee eliminated

Automatically awarded degree or credentials at end of term

College
Initiated



Auto-Grad

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23	CNT 2940	Computer Networking Internship	3	Core	F, Sp, Su		

Industry Certifications

Certificate 1
(18 credits)

Certificate 2
(33 credits)

Associates Degree
(67 credits)

Total program credits: 67
(Includes MAT 1033 & Computer Competency)

¹ Part of Computer Support Certificate
² Part of Linux System Administrator Certificate
³ Part of Microsoft Certified IT Professional: Server Administrator Certificate
⁴ Preparation Course for CompTia A+ Industry Certification
 Term Offered: F - Fall | SP - Spring | SU - Summer | Type of Course: Core - Required for the Program | Elective - Options based upon personal interest | Gen Ed - General Education | PreReq - Prerequisite | Subplan - Specific to a particular degree option

Articulations





QUESTIONS?