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Academic Committee

City Colleges of Chicago Board of Trustees

Friday, December 12, 2014



Education that Works

To achieve our strategic objectives we rely on our strategic plan: relevance, structure, and data-driven supports



What is Student GPS?

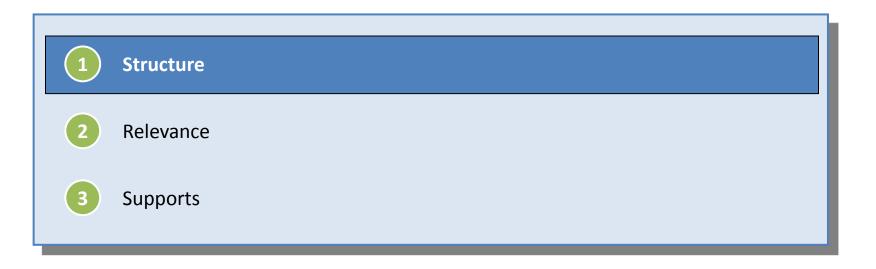
Student Guided Pathways to Success is City Colleges' comprehensive system of pathways and supports that inform some of a students' most critical life decisions to ensure every student has a clear path to obtaining his or her college and career goals.

Student GPS **combines all of the resources** of City Colleges into a personalized approach to help each student succeed in his or her **college experience**.



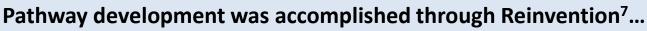
Agenda







Structure starts with well-defined focus areas that guide students into specific pathways and programs, each clearly mapped



- District teams identified focus areas and enlisted college Reinvention⁷ teams for pathway map development
- College teams of faculty and advisors developed maps
- Faculty discipline teams reviewed each pathway and map
- An executive steering committee provided appropriate administration attention

10 Focus Areas

re(invention

- Including 7 C2C clusters
- Makes a student's initial decision clearer



Focus Areas Overviews

 Provide students an overview of career options

STUDE	NT GPS	9			mation
				Teci	hnology
Student Name	Student ID		olaga		Date
Student GPS is your	eer or transfer it is just r clear path - class by c you on track and equip	lass - from your fir	st day to ter by se	graduation day. mester roadmap	Our dedicated
Connucku	you need to b			college sevel (say se	that can be taken
Placements based on Co option Placement 75 Writing	Basting Basevert	Math Platament	Samera	It for the former	Dectron or Core-
ESU/English se English soo	C Reading 50 C Reading 125	D Math se D Math se		at south strengt	0 8/0120
	My I	nitial Education I	Nan		
EMESTER 1			CREDITS	ACHEVEMENTS on	ENEXT ACTIONS
				 ✓ Confirm spei ✓ Research hei opportunitie ✓ Complete fui 	althcare career
		SEMESTER CREDITS:		1	
EMESTER 2			CREDITS	ACHEVEMENTS on	ENEXT ACTIONS
				✓ Confirm you advisor	
				 Meet with Tr and / or Care Committee 	eer Services
		SEMESTER CREDITS:		education pl	

Semester Maps

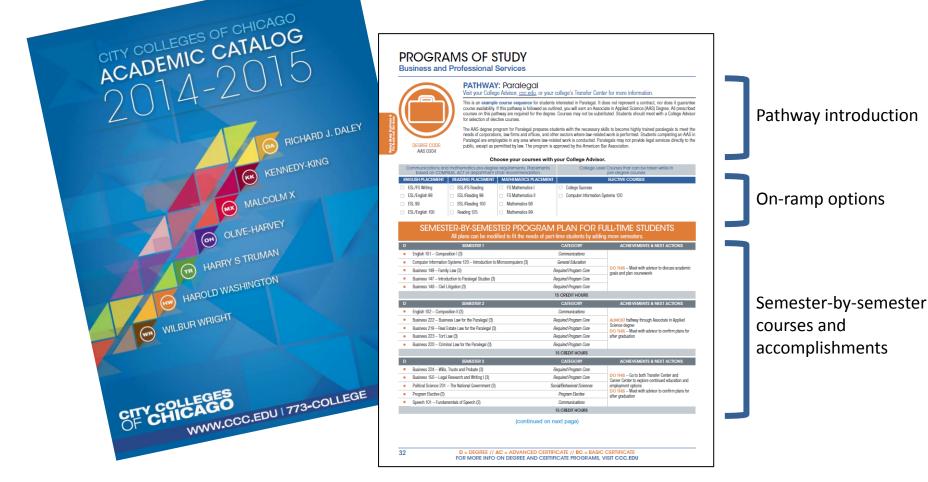
- Course sequence
- Milestones and achievements





To fully engage students into this new pathway structure, our 2014 Academic Catalog presents them with pathway maps rather than requirements





http://www.ccc.edu/departments/Documents/AcademicCatalog Interactive4.pdf



To institutionalize the new pathway structure, the new catalog **gps** presents them with pathway maps rather than requirements

D	AC	BC	SEMESTER 2	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS			
٠	•	0	Business 182 – Managerial Accounting (4)	Required Program Core				
•	•	٠	Business 231 – Marketing (3)	Required Program Core**	COMPLETION of Basic Certificate in	Focus Profe		
•	•	٠	Business 236 – Advertising (3)	Program Elective DO THIS – Meet w				
•	•	٠	Business 237 – Selling (3)	Program Elective	discuss Advanced Certificate, Associate of Applied Science, and four-year	Arec		
•	•	٠	Business 258 – Small Business (3)	Program Elective	transfer options	Area: Business ssional Service		
•	•	•	Computer Information Systems 123 – Introduction to Spreadsheets (3)	Program Elective	-	sines		
				19 CREDIT HOURS		s &		
D	AC	BC	SEMESTER 3	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS			
•	•	•	Business 211 – Business Law I (3) OR Business 212 – Business Law II (3) OR Business 214 – Legal and Social Environment of Business (3)	Required Program Core	COMPLETION of Advanced Certificate			
•	•	٠	Business 241 – Introduction to Finance (3)	Required Program Core	in Management/Marketing DO THIS – Apply online for advanced			
•	•	٠	Business 269 – Principles of Management (3)	Required Program Core**	certificate			
•	•	•	Program Elective (3)	Program Elective	DO THIS – Meet with advisor to confirm courses for completion of			
•	•	Program Elective (3)		Program Elective	Associate of Applied Science degree			
٠	•	•	Speech 101 – Fundamentals of Speech Communication (3)	Required Program Core*				
				18 CREDIT HOURS				

5

http://www.ccc.edu/departments/Documents/AcademicCatalog_Interactive.pdf



In addition, general education and transferable courses were separated out **gps** (

COURSE DESCRIPTIONS

General Education Courses

CHEMISTRY 201 General Chemistry I

Topics include the periodic table of the elements, atomic structure, basic concepts of quantum theory, bonding, stoichiometry of compounds and reactions, thermochemistry, the gaseous state, basic concepts of the liquid and solid states, solutions, acids, and bases. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Eligibility for Mathematics 140 or higher and Grade of C or better in Chemistry 121, or one year of high school chemistry, or consent of Department Chairperson.

4 LECTURE HOURS AND 4 LAB HOURS. 5 CREDIT HOURS.

IAI/GE: DA KK MX OH TR HW WR IAI/MAJOR: KK MX OH TR HW WR

CHINESE

CHINESE 104

Chinese IV

This course provides intensive work in the use of Mandarin Chinese through listening, speaking, reading, and writing and through continued enhancement of the cultural awareness intrinsic to these four skills. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Grade of C or better in Chinese 103 or consent of Department Chairperson. 4 LECTURE HOURS. 4 CREDIT HOURS.

IAI/GE: MX | HD

COMMUNICATION MEDIA

COMMUNICATION MEDIA 110

History of Photography

The historical development of photography as an art from 1839 to the present, including critical analysis of photographs and aesthetic movements in photography. Examines photographs for their aesthetic and humanistic values, emphasizing photographs as expressions of ideas and beliefs of photographers within their cultural and social contexts. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Eligibility for English 101 or consent of Department Chairperson. 3 LECTURE HOURS. 3 CREDIT HOURS.

WB

IAI/GE: WR

http://www.ccc.edu/departments/Documents/AcademicCatalog Interactive4.pdf

ECONOMICS

ECONOMICS 133 Consumer Economics

Principles of intelligent buying, investments, shelter, insurance, and basic commodities; development of consumer cooperative movement, advertising, fraud, monopoly, and competition, and role of government in promoting consumer welfare. Writing assignments, as appropriate to the discipline, are part of the course. *Prerequisite(s): Eligibility for English 101 or consent of Department Chairperson.* **3 LECTURE HOURS.**

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ECONOMICS 201

Principles of Economics I Covers macro or income analysis; includes money, income determination, public finance, and economic development. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Eligibility for English 101 or consent of Department Chairperson.

3 LECTURE HOURS. 3 CREDIT HOURS.

IAI/GE: DA KK MX OH TR HW WR

ECONOMICS 202

Principles of Economics II

Covers micro or price analysis; includes the markets, production function, income distribution, and international trade. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Eligibility for English 101 or consent of Department Chairperson. 3 LECTURE HOURS, 3 CREDIT HOURS.

IAI/GE: DA KK MX OH TR HW WR

ECONOMICS 203

Current Economic Problems

Representative contemporary economic problems and possible solutions. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Grade of C or better in Economics 201 or Social Science 102, or consent of Department Chairperson.

3 LECTURE HOURS. 3 CREDIT HOURS.

All courses in the course description section indicate college where course is offered and the following designations as applicable: Allowed Repeatable Course (ARC), General Education (GE), Human Diversity (HD) and Illinois Articulated (IAI).

College where course is offered

Course attributes



Interactive Online Version-with Errata



COURSE DESCRIPTIONS

Credit Courses (A-Z)

COMPUTER INFORMATION SYSTEMS 123 * Microcomputer Spreadsheets

Fundamental concepts of computer programs as exemplified in the electronic spreadsheet. Emphasis on business applications and personal financial management and tax preparation. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Computer Information Systems 120 or consent of Department Chair.

1 LECTURE AND 2 LAB HOURS. 3 CREDIT HOURS.



COMPUTER INFORMATION SYSTEMS 122

Introduction to Word Processing on Microcomputers

Fundamental concepts of computer programs as exemplified in the electronic spreadsheet. Emphasis on business applications and personal financial management and tax preparation. Writing assignments, as appropriate to the discipline, are part of the course. **Allowed Repeatable Course:** Not more than three credit hours will be counted towards the CIS/IT degree requirements. Additional earned credit hours up to six will be counted towards elective credit and requires the Consent of Departments Chairperson. **ARC: 3 times.**

3 LECTURE HOURS. 3 CREDIT HOURS.

COMPUTER INFORMATION SYSTEMS 130

Introduction to Assembler Programming

Writing programs demonstrating use of assembler language. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Grade of C or better in Computer Information Systems 103 and Computer Information Systems 135, or consent of Department Chairperson.

3 LECTURE HOURS. 3 CREDIT HOURS.

COMPUTER INFORMATION SYSTEMS 135

Introduction to COBOL Programming

http://www.ccc.edu/departments/Documents/AcademicCatalog Interactive4.pdf

Note: This course was originally COMPUTER INFORMATION SYSTEMS 122.

COMPUTER INFORMATION SYSTEMS 144 Java-Based Programming Language

A block-structured high-level programming language commonly used in internet applications, including procedural and data abstraction programming styles; the concepts of design, testing, and documentation in programming, programming platforms, and software developments; selection, repetition, and sequence control structures; the basic programming elements of arrays, records, and files. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Grade of C or better in CIS101 or consent of Department Chairperson. 2 LECTURE AND 2 LAB HOURS. 3 CREDIT HOURS.



IAI/MAJOR: DA KK OH TR HW WR

COMPUTER INFORMATION SYSTEMS 145 Database Management

In-depth concepts of database as they apply to micro computers in business and personal use to build information management systems. The network, hierarchical, and relational models are discussed. DBMS on microcomputers are used for lab assignments to implement the rational models. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite(s): Computer Information Systems 120 or consent of Department Chair.

2 LECTURE AND 1 LAB HOURS. 3 CREDIT HOURS.



COMPUTER INFORMATION SYSTEMS 158 Web Development I

Course emphasis will include the design and development of standards-based HTML, XHTML, and CSS documents with an introduction to JavaScript. Previous knowledge of file management, including downloading and uploading, is required.

Prerequisite(s): CS 101 or CS 120, or consent of Department Chairperson.

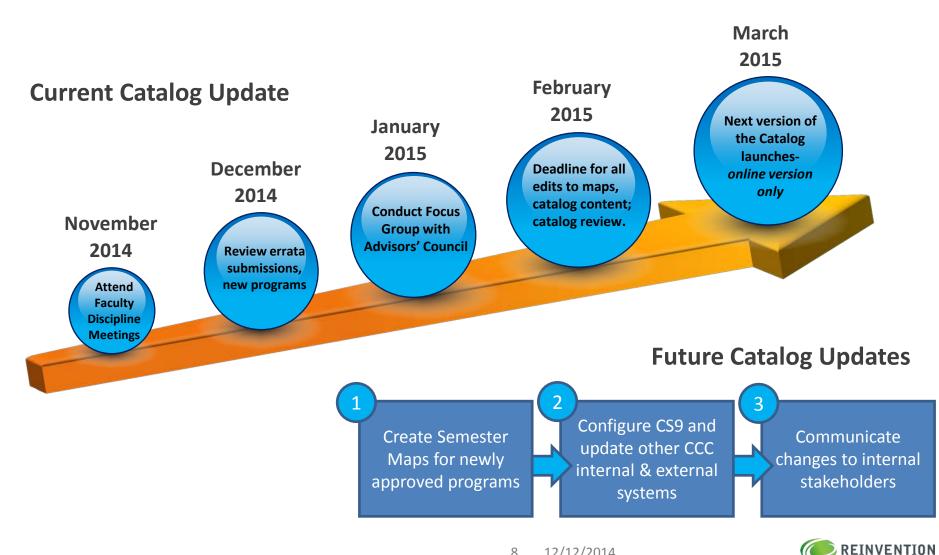
2 LECTURE AND 2 LAB HOURS. 3 CREDIT HOURS.



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Next academic catalog is being developed using process for the **gps** ongoing maintenance of program maps





Finally, CCC's implementation of Campus Solutions 9 will allow students to much more easily navigate their pathway



Pathways work to date



In the last 18 months, we created pathways to structure the student experience:

- Choose 1 of 10 focus areas
- Choose a pathway from the focus area
- Individualize a semesterby-semester plan

Structure

Since April, CCC advisors have gotten the majority of traditional, full-time students onto education plans, including ¾ of new, Fall, full-time students.

Relevance

The education plans students create default to pathways designed by faculty, transfer directors, employers and C2C staff

As such, they maximize for learning,
 transferability and workforce relevance
 DRAFT - for discussion purposes

Whole Program Enrollment in CS 9

ORACLE PEOPLESOFT CAMPUS SOLUTIONS

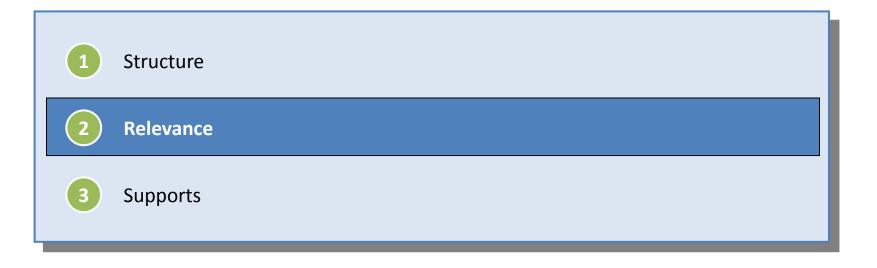
In the next 18 months, we will enter a second phase of pathways work in which we automate this

- Upon application, students will receive tailored semester-by-semester education plans, based on the default pathways represented in the catalog.
- Courses on plans are automatically put into student shopping carts, ready for registration
- Behind the scenes, CCC staff will aggregate plan information so we know years in advance what courses we need to offer so our supply no longer misaligns with demand

Combined with the institutionalization of pathways in the catalog, interweaving pathways at the core of our student information system will fundamentally direct student orientation towards completion from day one.









'College to Careers' curriculum work is almost completed



- All pathways in C2C strategy approved for TDL, IT, Hospitality and Education
- Final approvals projected to be completed within FY15 for Healthcare, Manufacturing, and Business pathways
- Sunset in progress for old programs in Health Care, IT and Education

TDL	 Complete: All 5 pathways approved: Logistics, Driving Programs (Taxi, Limo, CDL A/B/C, Forklift) Pre-Aviation, Diesel Tech, Auto Tech (Diesel and Auto will launch in new building)
Healthcare	 In progress: Non-MXC programs on Dec Board for approval per health care transformation In progress: sunset of old programs – Computerized Medical Billing and Coding, Home Health Aide
Manuf.	 Complete: 4 pathways approved: CNC, Factory Automation, Welding, Quality Assurance In progress: Process Tech on Dec Board (currently at OH); Humboldt Park to adopt DA CNC BC
Business	 ✓ Complete: Insurance pathway □ In progress: Finalizing curriculum for Accounting (transfer, AC, AAS), Banking (transfer and BC) □ In progress: Engaging industry partners for new pathways in HR, Sales/Marketing, Project Mgmt.
ІТ	 Complete: All 3 pathways approved: Computer Science, Networking, Web Development In progress: sunset of old programs – CIS AAS and Information Processing
Hospitality	 Complete: All 3 pathways approved: Culinary Arts, Hospitality Management, Baking and Pastry In progress: Revising Culinary Arts pathway to incorporate Nutrition and Internship
Education	 Complete: All 13 Pre K-12 transfer pathways and Child Development AAS In progress: sunset of old programs – School Age Child Care AAS and Teachers Aide AAS



Status of programs and courses in support of our revised pathways



College	e Proposals		Н	ealth Sciences	
🕀 new	1 upload 📝 edit 🛛 🗘 share				
(+) new	Name Bio Ethics Clinical Laboratory Technician Program Dental Hygiene KK to MX Fire Science HW to MX HeaPro 101 HIM Medical Assisting Medical Billing Medical Coding	···· ··· ···	Modified November 06 November 06 November 06 November 06 November 06 November 06 November 06	Modified By Jane Reynolds	Revised PACC proces makes it easy to trac curriculum projects v the Curriculum Development
	Occupational Therapy Assistant WR to MX Pharmacy Tech Phlebotomy Radiography	•••• •••• ••••	November 06 November 06 Wednesday at 2:24 PM Wednesday at 2:31 PM	, ,	SharePoint site. No more paper and confusion.

Drag files here to upload

Curriculum Projects in Motion									
DA	HW	KK	MX	OH	TR	WR			
4	5	9	13	1	2	1			

ess ick via



Based on courses offered, most transfer paths cannot be completed at most Colleges



The table shows the % of each pathway's courses that can be completed at each College

completed at each College					< 50%				
		Total Req.							
Transfer Area	Transfer Pathway	Courses	DA	HW	КК	MX	ОН	TR	WR
Business	Business/ Economics Transfer (AA)	13	100%	100%	92%	85%	92%	100%	92%
Busilless	Insurance Transfer (AA)	13	77%	77%	77%	69%	77%	77%	77%
	Criminal Justice Transfer (AA)	11	82%	91%	91%	73%	82%	73%	91%
Education	Early Childhood Education Transfer (AA)	9	156%	156%	156%	156%	156%	111%	56%
	Health/Physical Education Transfer : AA	13	77%	85%	77%	62%	69%	69%	85%
	Music Education Transfer (AFA)	17	35%	94%	47%	41%	41%	47%	88%
Fine Arts	Music Performance Transfer (AFA)	16	31%	94%	44%	38%	38%	44%	88%
	Theatre Arts Transfer (AA)	13	38%	62%	69%	62%	38%	46%	77%
	Human Geography Transfer (AA)	7	71%	86%	71%	71%	71%	71%	71%
Human Science	International Studies Transfer (AA)	9	122%	144%	111%	122%	111%	133%	144%
	Political Science Transfer (AA)	11	73%	82%	64%	64%	64%	64%	73%
	Psychology Transfer (AA)	11	82%	100%	82%	73%	91%	91%	109%
	English Transfer (AA)	9	133%	233%	133%	122%	111%	144%	167%
	Journalism Transfer (AA)	8	50%	100%	50%	50%	50%	88%	63%
Humanities	Philosophy Transfer (AA)	9	100%	133%	89%	100%	89%	100%	100%
	Religious Studies Transfer (AA)	9	67%	67%	56%	67%	56%	67%	67%
	World Languages Transfer (AA)	4	100%	100%	100%	100%	100%	100%	100%
IT	Computer Science Transfer : AGS	14	64%	64%	57%	57%	57%	86%	64%
Math	Mathematics Transfer (AS)	10	80%	100%	60%	60%	60%	90%	100%
	Biology Transfer : AS	9	100%	100%	89%	100%	100%	100%	100%
	Chemistry Transfer (AGS)	10	70%	90%	70%	80%	80%	90%	100%
Natural Science	Environmental Biology Transfer (AS)	13	62%	69%	62%	69%	69%	69%	69%
	Geology, Earth Science, Earth and								
	Environmental Science Transfer (AS)	10	90%	90%	70%	70%	80%	100%	90%
Physical Science	Engineering/Physics Transfer (AES)	12	75%	75%	50%	50%	50%	83%	92%
TDL	Pre-Aviation Transfer : AS	16	75%	88%	69%	69%	69%	75%	88%

Percentages can be greater than 100% if the College offers more than the required number of electives.

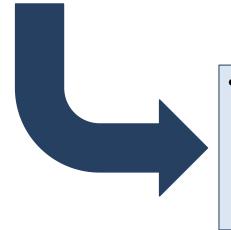
71% > 89%

50% > 70%



This will facilitate a new Demand-based scheduling process that will ensure the courses our students need are offered where and when they are needed gps (

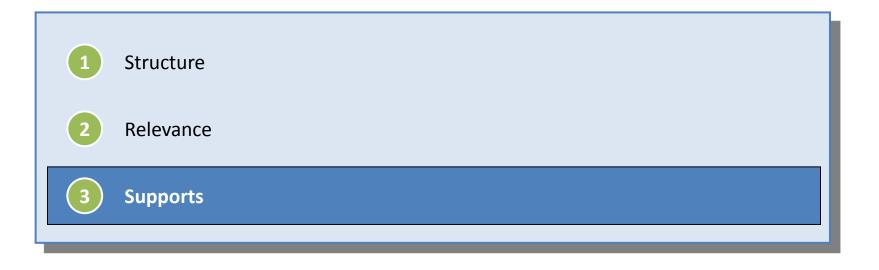
- Network Footprint provides the colleges at which each pathway will be offered
- Semester maps provide the sequence and courses needed to complete programs
- Student Education Plans personalize the maps to each student/semester course enrollment needs



- Schedule development based on known and forecasted enrollment requirements
 - Continuing students based on existing education plans including prior completions and enrollments
 - New students based on standard schedule









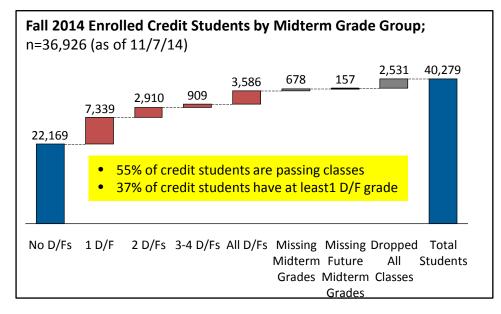
Midterm Intervention Strategy: Overview



- Midterm grades is the first hard-indicator of student academic progress with moderatelystrong correlation to final grades.
- The Fall 2014 Midterm Intervention Strategy organizes enrolled credit students into midterm grade groups to target for academic and non-academic supports, education planning, and spring 2015 registration/retention.

Fall 2013 N	/lidterm Gra	ides and	d Expecte	ed Pass R		96%	·		
Expected	100			- 664	92%	90%)		
Pass Rate (Final	80 -			76%					
Grade	60 -		44% 🖊						
A-C)	40 -								
	20 - 4%	16%							
	0						Midterm Grade		
	(Blank)	F	D	С	В	А	Grade		
	* Midterm and final grade relationship statistically significant at p<.0001 using Chi-Square testing; Cramer's V coefficient = 0.6								

Midterm Group	Target for Supports	Create Ed Plan	Reg. for SP15	Instructor Outreach
No D/F		•	•	
1 D/F	•	•	•	•
2 D/F	•	•	•	•
3-4 D/F	•	•	•	•
All D/F	•	•	•	•
Missing Midterm Grade	•	•		•



Source: Fall 2013 Credit Courses, OpenBook, Student Classes (11/12/2014)



Midterm Interventions: Instructional and Student Services Supports

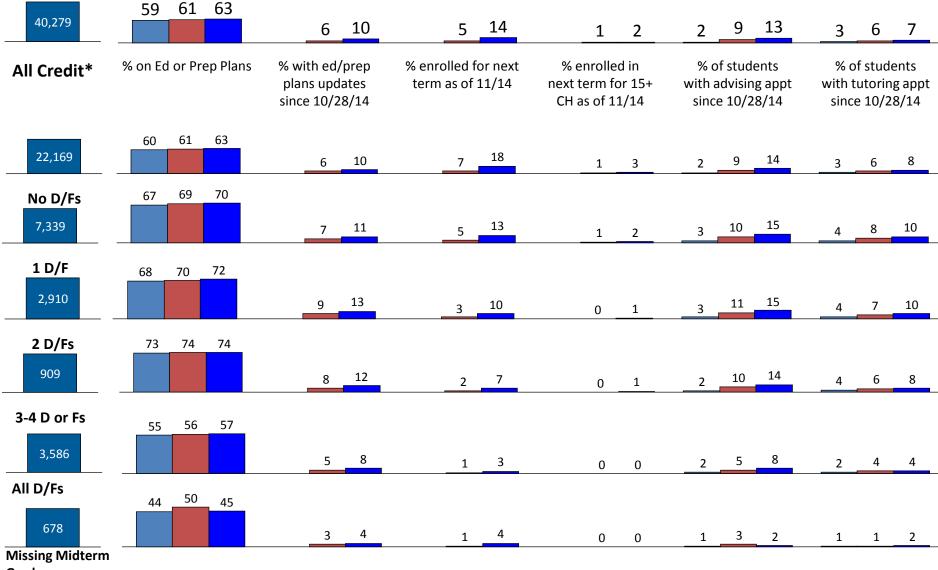


	Target for Supports	Getting on an Ed Plan	Register for SP15	Instructor Outreach	
District- Coordinated Actions	 Call Center contacted 2,283 students with 2 D or F grades. EOT course retention and success rate will be measured. 2,937 students have made a tutoring appointment since midterm. Chancellor robo calls to over 30 000 students with support of the supervised of the su		 Call Center completing campaign to 2,891 new, FT students with all passing grades to drive early registration to be completed 11/14. Returning FT students reached week of 11/17. 	 Provided analysis of courses with high failure rates at each College to Instruction and Tutoring - common across the district: Biology CIS English Math Psychology Reading All colleges are leveraging midterm grade data to provide additional faculty and tutor led review sessions and workshops in courses with high failure rates. 	
College- level Actions		Services and Advisors contacted students with all failing grades or more than 2 failing grades via email. Advisors meet with students and refer to DAC, Veterans Services,			



Midterm Intervention Status by Week: DISTRICT





Grades

*Students missing future midterms grades (n= 157) and students with who dropped all classes (n=2,531) are not displayed.

