

The Implementation of a Guided Pathway System and its Impact on Student Success

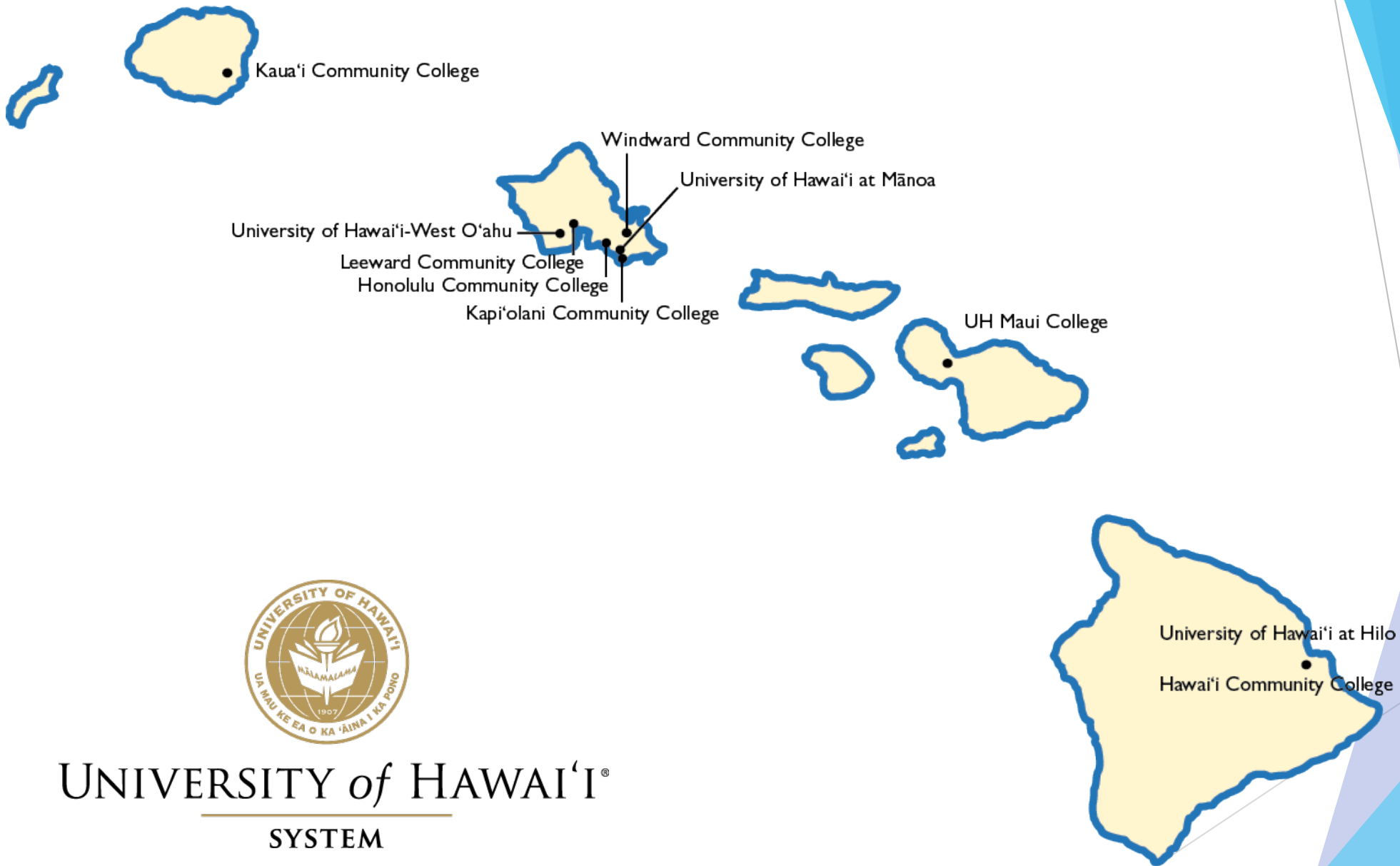
AACRAO Technology and Transfer Conference
July 11, 2017

Joanne Itano, Associate Vice President for Academic Affairs

Susan Nishida, Director of Articulation and Transfer



UNIVERSITY of HAWAII®
SYSTEM



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University of Hawai'i System

- Sole public higher education system, founded in 1907
- 10 campuses
 - 1 research/doctoral university
 - 2 regional comprehensive universities
 - 7 community colleges on four islands
- Education centers throughout the islands
- Approximately 55,000 students systemwide
- No ethnic or racial majority
- All campuses designated as Native Hawaiian-serving



UH System Strategic Directions

- Hawai'i Graduation Initiative (HGI)
- Hawai'i Innovation Initiative (HII)
- 21st Century Facilities (21CF)
- High Performance Mission-Driven System (HPMS)

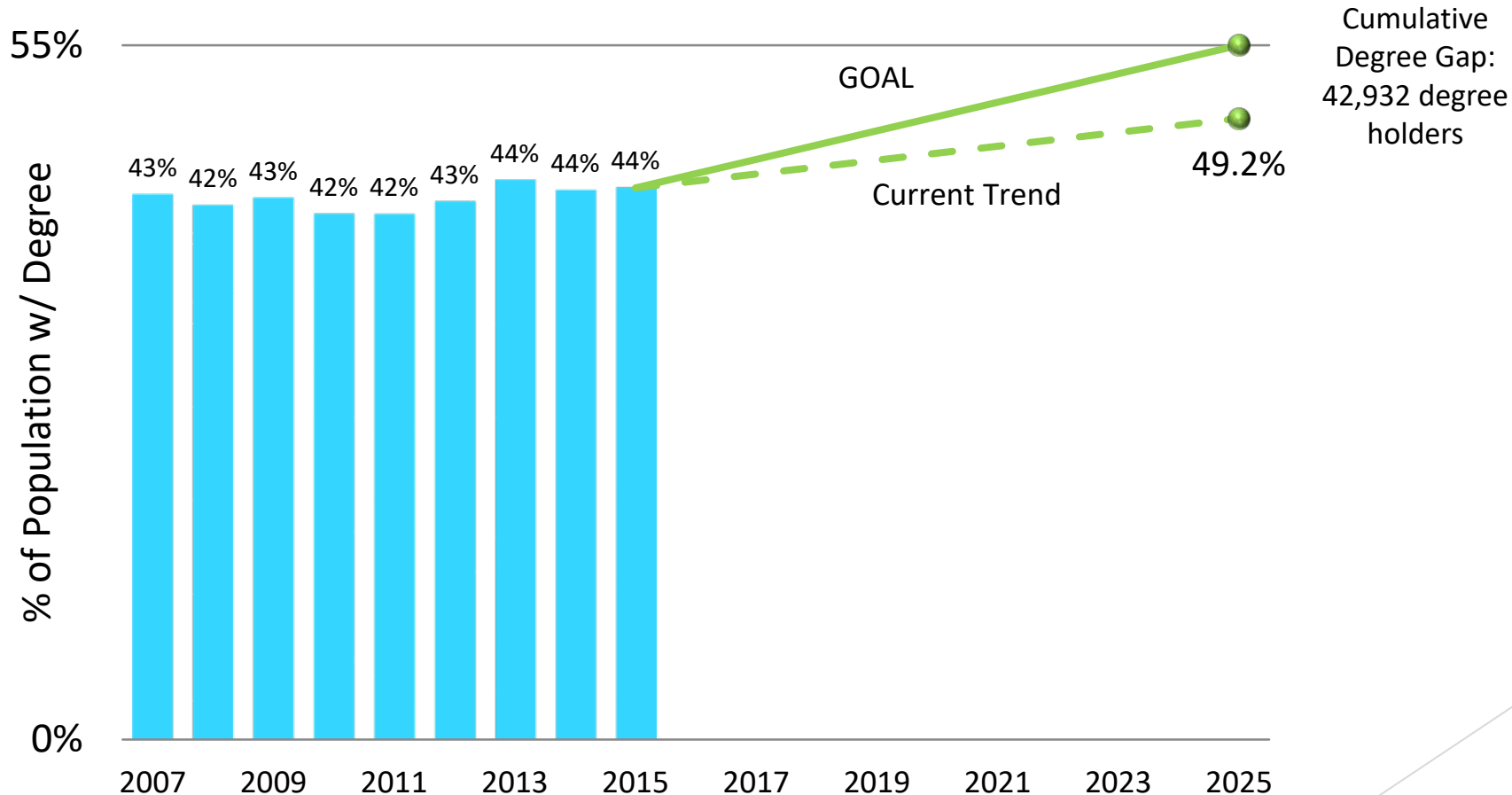
<http://www.hawaii.edu/strategicdirections/>



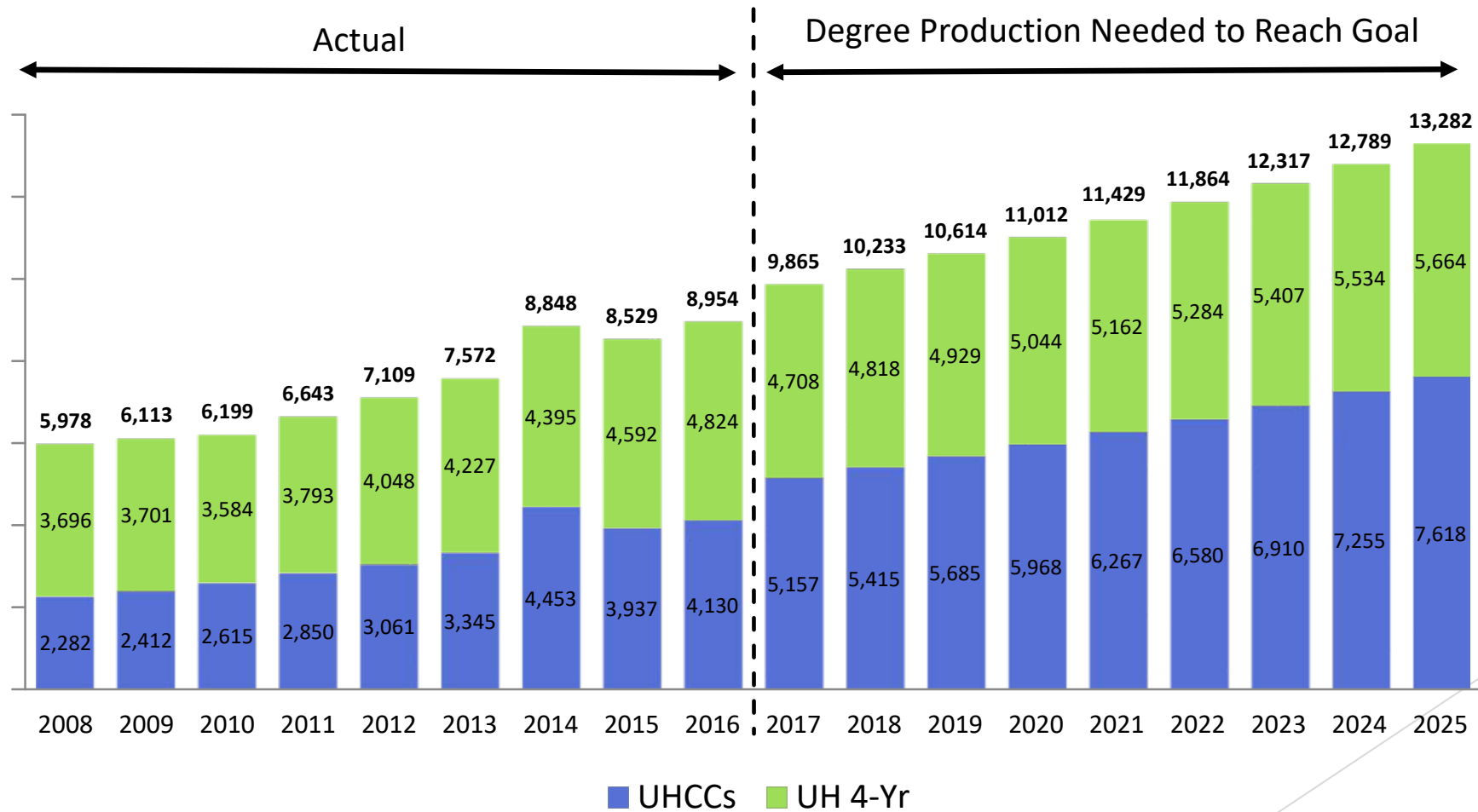


Hawai'i's goal to have 55% earn a college degree by year 2025

“55% of Hawai‘i’s working age adults to have a 2- or 4-year college degree by the year 2025.”



Degree Production Needed to Reach P-20 55 By '25 Goal





Hawai'i Graduation Initiative

GOAL: Increase the educational capital of the state by increasing the participation and completion of students, particularly Native Hawaiians, low-income students and those from underserved regions and populations and preparing them for success in the workforce and their communities.



HGI Results

- UH awarded a record number of degrees in AY2015-16; 11,680, up 46% from 2008
- First-time freshmen taking 15 or more credits in their first semester doubled from 16% (pre-campaign) to 32% (fall 2016)
- UH Mānoa's 4-year graduation rate increased from 17.5% to 32.1% (2006 vs. 2012 cohort)
- UHCCs awarded over 2,700 Reverse Credit Transfer degrees (AA and AS) since 2013
- Students completing college-level Math in their first semester tripled to 18% and completing college-level English almost doubled to 44% due to developmental education redesign efforts (2013 cohort vs. 2016 cohort)



What is GPS?

- Like a Global Positioning System for cars, UH's Guided Pathways System (GPS) starts with the end goal and provides a clear, individualized pathway for each semester and recalculates when a student deviates from that path
- Students are provided with informed choices that are deliberate and will count toward their goal
- Defaults students to an on-time graduation plan
- Advisors are immediately aware of students taking courses that do not apply toward their degree



Why GPS?

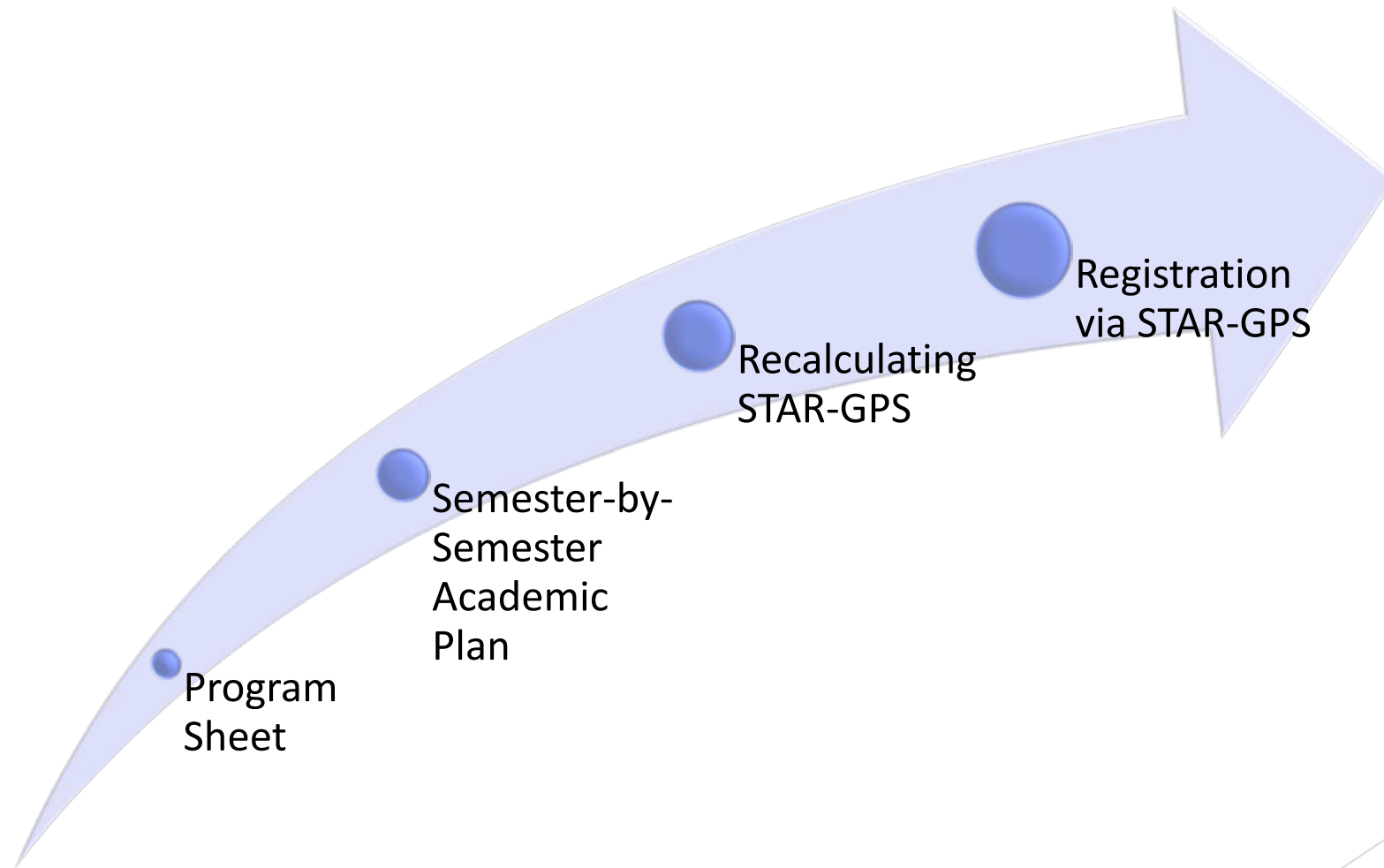
- Program requirements can often seem complex and the array of choices overwhelming
- Decrease the cost of education (plus the lost opportunity cost)
- Shorten time to degree
- Provide more efficient course offerings (i.e., schedule courses when the student needs it)
- Meet the 55 by '25 goal



THE GPS STORY...



Progress over the years



Program Sheet



University of Hawai'i at Mānoa
College of Arts & Sciences Program Sheet 2010-2011
Bachelor of Arts (BA) in English

Admissions: Freshmen = Open / Transfer = Min. Criteria Process: Declaration
Min. Total Credits: 124 (82 in core & major + 42 in electives)

UHM General Education Core Requirements
Foundations
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
Focus
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> W (300+)
Hawaiian / Second Language
<input type="checkbox"/> 101
<input type="checkbox"/> 102
<input type="checkbox"/> 201
<input type="checkbox"/> 202
Credit Minimums
• 124 total applicable
• 30 in residence at UHM
Grade Point Average
• 2.0 cumulative or higher
• Good academic standing

Degree Requirements
Can also fulfill FS
<input type="checkbox"/> MATH 100, 100A, 112, 140, 203, 215, 241, 251A; PHIL 110, 110A, 111; BUS 250; ICS 141; or NREM 203
College Requirements
A & S Options - Complete at least one option <i>(Cannot double count with Gen. Ed. Core)</i>
<input type="checkbox"/> Bachelor of Arts Breadth (3 credit each)
<input type="checkbox"/> AH
<input type="checkbox"/> LIL
<input type="checkbox"/> NS
<input type="checkbox"/> SS
<input type="checkbox"/> Bachelor of Arts Depth - see list of A & S depts.
Minor
Certificate
2 nd A & S Major
Credit Minimums
• 104 from A & S disciplines - see list
• 60 non-introductory
Credit Maximums
• 8 KRS activity
• 9 Directed Reading / Research
• 12 Practicum / Internship

A & S Major Requirements
See back for major requirements. Meet regularly with your major advisor.

Major Requirements for BA in English
Admission: Freshmen = Open; Transfer = Completion of FW and one of ENG 270, 271, 272, or 273.
Application: NA
Min. major credits: 33 (39 with related requirements)
Min. C grade (not C-) in courses
Requirements
English Related Requirements (6 credits)
<input type="checkbox"/> ENG 100* ^{PW} (or equivalent)
<input type="checkbox"/> ENG 270* ^{DL} , 271* ^{DL} , 272* ^{DL} , or 273* ^{DL}
<i>Check with an academic advisor for UHM equivalents.</i>
English Core Courses (33 credits)
<input type="checkbox"/> ENG 320
<input type="checkbox"/> ENG 44x (Single Author)
<input type="checkbox"/> ENG 3XX* ^{DA}
<input type="checkbox"/> ENG 3XX* ^{DH}
<input type="checkbox"/> ENG 3XX
<input type="checkbox"/> ENG 3XX
<input type="checkbox"/> ENG 3XX
<input type="checkbox"/> ENG 400+ (Studies)
<input type="checkbox"/> ENG 400+ (not ENG 495 or 499)
<input type="checkbox"/> ENG 300+
<input type="checkbox"/> ENG 300+ (may be non-ENG with department approval)
Breadth of Field Requirements
ENG 3XX courses must come from at least <i>three</i> different categories (check completed):
Check three {
<input type="checkbox"/> Composition / Language / Rhetoric (ENG 300-308, 311)
<input type="checkbox"/> Creative Writing (313)
<input type="checkbox"/> Literary History (321-356)
<input type="checkbox"/> Genre (360-365)
<input type="checkbox"/> Literature and Culture (370-385)
Historical Breadth Requirements
Of the ENG 3XX, 4XX, and 300+ courses above (does not include course used for Single Author), one must be from each of the following groups (check completed):
<input type="checkbox"/> Pre-1700 (321, 322, 323, 330, 331, 430, 431, 440, 442, 445, 447)
<input type="checkbox"/> 1700-1900 (324, 332, 333, 334, 336, 350, 351, 353, 355, 432, 433, 440)
<input type="checkbox"/> 1900-Present (325, 335, 337, 338, 352, 354, 356, 434, 440)
<i>Up to two ENG courses may be "large enrollment" (maximum enrollment of 60 students) courses. Advising is mandatory for ENG majors every semester.</i>
Notes
Colleges of Arts and Sciences Student Academic Services: QLCSS 113; (808) 956-8755 English Department: Kuykendall 402; (808) 956-7619; www.english.hawaii.edu English Undergraduate Chair: Todd Sammons, PhD; Kuykendall 429; (808) 956-3040/3048; sammons@hawaii.edu



Semester-by-semester Academic Plan



University of Hawai'i at Hilo – Four-Year Academic Plan 2014-2015 Colleges of Arts and Sciences Bachelor of Arts (BA) in English

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1	Year 2	Year 3	Year 4
Fall	Fall	Fall	Fall
ENG 100 3	GE HPP* (ENG 205 or 286A/I) 3	ENG 304 3	Upper English Elect. 3
GE SOC SCI AREA 3	ENG 300 3	ENG 351 3	Upper English Elect. 3
GE WC 1 3	Elective 3	Upper English Elect. 3	Upper English Elect. 3
GE LANG ARTS 3	GE SOC SCI AREA 3	WI Upper elective 3	Elective 3
GE HUM AREA (not Eng.) 3	GE NAT SCI + LAB 4	Upper English Elect. 3	Elective 3
Credits 15	Credits 16	Credits 15	Credits 15
Spring	Spring	Spring	Spring
MATH 100 3	GE GCC (ENG 323)* 3	ENG 305 3	Elective 3
Any 200-level ENG class 3	WI Elective 3	ENG 352 3	Upper English Elect. 3
WI ENG 200 A-G* 3	GE QuantReasoning (List A) 3	Upper English Elect. 3	Upper Elective 3
GE WC II 3	Elective 3	Upper English Elect. 3	Upper Elective 3
Elective 3	GE NAT SCI 3	Elective 3	Elective 3
Credits 15	Credits 15	Credits 15	Credits 15
Summer	Summer	Summer	Summer
Credits 0	Credits 0	Credits 0	Credits 0
Total Credits 30	Total Credits 61	Total Credits 91	Total Credits 121

Notes:

Students must earn a grade of "C" or higher in all courses required for the major.

*If the suggested ENG electives are taken to fulfill GE HPP and GCC requirements they can be double counted toward the major.

*Please note that ENG 200A-G is a prerequisite for ENG 300



Recalculating STAR-GPS

15^{to} FINISH v2.0 Debug

STUDENT SEARCH BETA ARE YOU STUCK LOGOUT

Honolulu CC Undergraduate AS/ECED (Primary) Fall 2015

ACADEMIC ESSENTIALS GRADUATION PATHWAY WHAT IF JOURNEY BATCH COURSES SUPPORT

Graduation Pathway AS ECED-PRESCHOOL GPA: n/a Credits in Plan: 73

AY 2015 - 2016

Fall 2015 (current) Register + CR15	Spring 2016 + CR15
Fundamentals of Mathe... ★ MATH 9	Elementary Algebra I ★ MATH 24
Intro Early Childhood Ed (... ★ ECED 105	Composition I (ENG 100) ★ ENG 100
Dev Appropriate Prac (EC... ★ ECED 110	Humanities & Fine Arts
Early Child Dev Theory (E... ★ ECED 131	Guidg Young Chil in Grps ... ★ ECED 140
Academic Events	Field Exp Practicum #1 (... ★ ECED 191
Add Academic Event	Academic Events
Credits: 14	Add Academic Event
	Credits: 15

+ ADD SEMESTER

AY 2016 - 2017

Fall 2016 + CR15	Spring 2017 + CR15
Elementary Algebra II ★ MATH 25	Hlth, Safe & Nutrition (EC... ★ ECED 215
Fld Exp Pract #1 Seminar... ★ ECED 151	Chd, Family & Communit... ★ ECED 245
Quantitative/Logical Reasoning	Lang & Creative Exp Curr ... ★ ECED 263
Natural Sciences	SP 151/251
ENG 200-Level	Humanities & Fine Arts
Math Proficiency	Academic Events
Academic Events	Add Academic Event
Add Academic Event	Credits: 15
Credits: 13	

+ ADD SEMESTER

AY 2017 - 2018

Pathway Narrative
 Pathway Notes
 Test Scores
 AY 2015 - 2016 (current)
 AY 2016 - 2017
 AY 2017 - 2018
 GRADUATION

Sandbox

Learning Support Courses



Recalculating STAR-GPS video

- ▶ <https://www.youtube.com/watch?v=2GH6dJI7AuU>



LINKING STAR-GPS TO REGISTRATION...



STAR-GPS Registration

The screenshot displays the STAR-GPS registration interface for a student in the 'Manoa Undergraduate BS/TIM (Primary) Fall 2015' program. The GPA is 3.64 and Credits in Plan is 119. The interface is organized by academic year (AY) and semester.

AY 2016 - 2017

- Fall 2016** (Credits: 16): Elective 300+ (DHN 441, A), Physical or Biological Sc... (GG 101, A), Science Lab (DY) (GG 101L, A-), Tools for Info Age (ICS 101B, CR), Calculus I (FS) (NREM 203, A+), Mgt of Service Enterpris... (TIM 303, B+).
- Spring 2017** (Credits: 17): Intro to Fin Accounting (ACC 201, ***), Statistics (ECON 321, ***), Elective (THEA 221, ***), Internship II (TIM 200, ***), Legal Env or Human Res... (TIM 301, ***), Info Systems Technology (TIM 302, ***).
- Summer 2017** (Credits: 0): Academic Events.

AY 2017 - 2018 (+ Add Summer Semester)

- Fall 2017** (Credits: 15): Intro to Mgt Account... (ACC 202, *), Travel Industry Marke... (TIM 304, *), Human Resource Mg... (TIM 305, *), Haw/Second Lang 101, Elective.
- Spring 2018** (Credits: 15): Financial Management, Internship III, Foodservice Manage..., Haw/Second Lang 102, Elective, Elective.

AY 2018 - 2019 (+ Add Summer Semester)

Callout: To Begin Registration Click on Register button

Banner Course Availability

University of Hawaii

University of Hawaii at Manoa • Spring 2017 Class Availability
(UH Transfer Information)

Textbooks/Course Materials

[Back to list of subjects](#) Click on the CRN for additional class information.

History (HIST)

Gen. Ed./ Focus	CRN	Course	Section	Title	Credits	Instructor	Curr. Enrolled	Seats avail.	Days	Time	Room	Dates
FGA	87946	HIST 151	001	World History to 1500	3	B Moseley	14	6	MW	1030-1120a	SPAL 155	01/09-05/12
									M	0830-0920a	HOLM 242	01/09-05/12
FGA	87947	HIST 151	002	World History to 1500	3	R York	19	1	MW	1030-1120a	SPAL 155	01/09-05/12
									M	1130-1220p	DEAN 104	01/09-05/12
FGA	87941	HIST 151	003	World History to 1500	3	R York	13	7	MW	1030-1120a	SPAL 155	01/09-05/12
									M	1230-0120p	SAUND 637	01/09-05/12
FGA	87948	HIST 151	004	World History to 1500	3	S Tamashiro	4	16	MW	1030-1120a	SPAL 155	01/09-05/12
									M	0130-0220p	GRG 215	01/09-05/12
FGA	87942	HIST 151	005	World History to 1500	3	B Moseley	10	10	MW	1030-1120a	SPAL 155	01/09-05/12
									T	1200-1250p	SAKAM C201	01/09-05/12
FGA	87940	HIST 151	007	World History to 1500	3	S Tamashiro	8	12	MW	1030-1120a	SPAL 155	01/09-05/12
									W	0930-1020a	SAUND 541	01/09-05/12
FGA	87944	HIST 151	006	World History to 1500	3	R York	17	3	MW	1030-1120a	SPAL 155	01/09-05/12
									W	1230-0120p	SAUND 242	01/09-05/12
FGA	87939	HIST 151	008	World History to 1500	3	S Tamashiro	19	1	MW	1030-1120a	SPAL 155	01/09-05/12
									F	1030-1120a	BUSAD D101	01/09-05/12
FGA	87943	HIST 151	009	World History to 1500	3	B Moseley	19	1	MW	1030-1120a	SPAL 155	01/09-05/12
									F	1030-1120a	HIG 311	01/09-05/12
FGA	84101	HIST 151	010	World History to 1500	3	Z Long	8	12	TR	1200-1250p	PHYSICI 217	01/09-05/12
									M	1130-1220p	GRG 214	01/09-05/12
FGA	82534	HIST 151	012	World History to 1500	3	T Ii	13	7	TR	1200-1250p	PHYSICI 217	01/09-05/12
									M	1130-1220p	WEB 113	01/09-05/12
FGA	81051	HIST 151	013	World History to 1500	3	G Hillyer	11	9	TR	1200-1250p	PHYSICI 217	01/09-05/12
									M	1200-1250p	WEB 114	01/09-05/12
FGA	82533	HIST 151	011	World History to 1500	3	Z Long	12	8	TR	1200-1250p	PHYSICI 217	01/09-05/12
									M	1230-0120p	ARCH 101A	01/09-05/12
FGA	83632	HIST 151	014	World History to 1500	3	T Ii	1	19	TR	1200-1250p	PHYSICI 217	01/09-05/12
									T	0830-0920a	DEAN 105	01/09-05/12
FGA	84102	HIST 151	015	World History to 1500	3	Z Long	10	10	TR	1200-1250p	PHYSICI 217	01/09-05/12
									W	1030-1120a	GRG 215	01/09-05/12
FGA	81053	HIST 151	016	World History to 1500	3	G Hillyer	6	14	TR	1200-1250p	PHYSICI 217	01/09-05/12
									W	1230-0120p	DEAN 105	01/09-05/12
FGA	82535	HIST 151	017	World History to 1500	3	T Ii	19	1	TR	1200-1250p	PHYSICI 217	01/09-05/12
									R	0130-0220p	GAR 103	01/09-05/12
FGA	81052	HIST 151	018	World History to 1500	3	G Hillyer	6	14	TR	1200-1250p	PHYSICI 217	01/09-05/12
									F	1230-0120p	HOLM 211	01/09-05/12



STAR-GPS Course Search

Please select a course for Spring 2016

REQUIREMENTS
Global (FGA or FGB or FGC)

HIST 152 - World History Simulation
MW 10:30a - 11:20a
T 9:30a - 10:30a
Credits: 3
Focus: DA
Section: 001

HIST 152 - World History Simulation
MWF 10:30a - 11:20a
Credits: 3
Focus: DA
Section: 001

HIST 152 - World History Simulation
MW 10:30a - 11:20a
T 9:30a - 10:30a
Credits: 3
Focus: DA
Section: 001

HIST 152 - World History Simulation
MW 10:30a - 11:20a
T 9:30a - 10:30a
Credits: 3
Focus: DA
Section: 001

Filter Courses

Date: M T W R F S U

Time: to

Course Alpha:

Course #: to

Instructional Method:

Instructor:

CRN:

Focus: DA DH DL WI O HAP E

Campus:

Semester:

CRN: 707123
[Additional Info](#)



Banner Registration Selection

Add Classes Worksheet

Institution	CRNs	Institution	CRNs
Select ▾	<input type="text"/>	Select ▾	<input type="text"/>
Select ▾	<input type="text"/>	Select ▾	<input type="text"/>
Select ▾	<input type="text"/>	Select ▾	<input type="text"/>
Select ▾	<input type="text"/>	Select ▾	<input type="text"/>
Select ▾	<input type="text"/>	Select ▾	<input type="text"/>

Submit Changes

Class Search

Reset



STAR-GPS – Course Selection

<
My Pathway Registration
🔖

	Pending Registration																																																																																																										
Fundamentals of Mathematics	Pending Registration																																																																																																										
MATH 9: Fundamentals of Mathematics ○MTWR (0830 to 0945) 🏠BLD07 432 MTWR (0830 to 0945) BLD07 401 MTWR (0830 to 0945) BLD07 421 👤 Lee Femar Credits: 5 Campus: Honolulu CC CRN: 21356 Start date: AUG-24-2015 End date: DEC-18-2015	🔄 ✎	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #f2f2f2;"> <th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th><th>Fri</th><th>Sat</th><th>Sun</th> </tr> </thead> <tbody> <tr><td>7a</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8a</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9a</td><td style="background-color: red; color: white;">MATH 9</td><td style="background-color: red; color: white;">MATH 9</td><td style="background-color: red; color: white;">MATH 9</td><td style="background-color: red; color: white;">MATH 9</td><td></td><td></td></tr> <tr><td>10a</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11a</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>12p</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>1p</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2p</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3p</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4p</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5p</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6p</td><td style="background-color: purple; color: white;">ECED 110</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7p</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8p</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Mon	Tue	Wed	Thu	Fri	Sat	Sun	7a							8a							9a	MATH 9	MATH 9	MATH 9	MATH 9			10a							11a							12p							1p							2p							3p							4p							5p							6p	ECED 110						7p							8p						
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Early Child Dev Theory (ECED 131)	No Course Selected																																																																																																										
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+ ADD REQUIREMENT

✓ PROCESS REGISTRATION



STAR-GPS Implementation Timeline

- Piloted STAR-GPS for Spring 2016 with one program at one campus
- Systemwide pilot of STAR-GPS for Fall 2016 (targeted 5,000 students)
- Scale to 50% of students for Spring 2017
- Full implementation for Fall 2017



RESULTS...

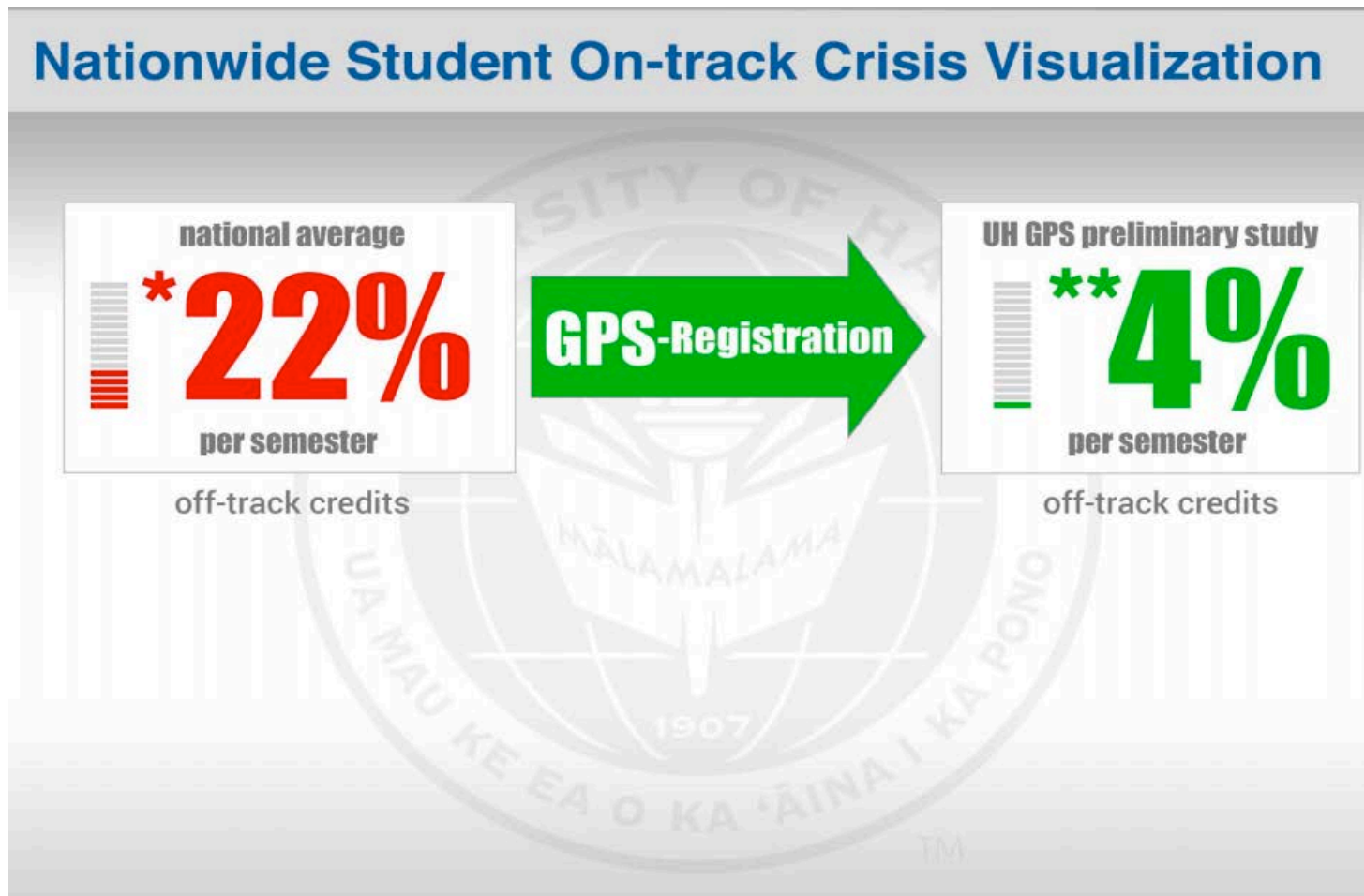


Students enrolled in more credits

Spring 2017 UHM	STAR-GPS Reg	MyUH/Banner Reg
First-time freshmen 15 or more credits	53%	22%
All students 15 or more credits	47%	45%



Students enrolled in the “right” credits



Source: STAR data Fall 2016 pilot, all campuses



Challenges

- Technical challenges of moving from a portal based registration system to one based on our degree audit system
- Changes to academic advising
- Transitioning students to the new registration system
- Registration challenges
 - Holds preventing registration
 - Schedule based on historical offerings vs. academic map
 - Lack of waitlist functionality



Next Steps

- Continue to enhance the “advising logic” of STAR-GPS
- Add new functionality (e.g., “smart” waitlist - prioritized waitlist to must-have vs. would like)
- Use the data for better course scheduling
- Redefine the role of the academic advisors
- Integrate other tools (STARFISH, PAR Framework, etc.)





UNIVERSITY of HAWAI'I®
SYSTEM

Mahalo!

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www.hawaii.edu/hawaiiigradinitiative