

Gateway Courses: Bridges or Barriers to Equity and Completion?

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Who Is This Guy? (About the Presenter)



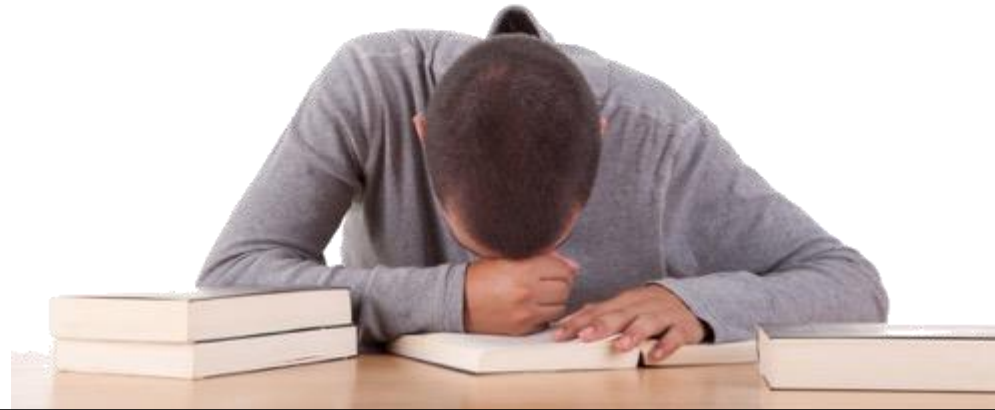
About the Non-Profit Organization



Gateway Courses: Defining Our Terms and An Exercise

Defining our Terms – Gateway Courses

- Foundation-Level
- High-Risk
- High-Enrollment
- “Killer Courses”



An Exercise

Why Don't Students Succeed In Gateway Courses?

Shared Reasons

-

Shared Reasons



Gateway Courses: The Issue

The Issue

Deplorable rates of failure in college “gateway courses” are limiting possibilities – especially for historically underrepresented and underserved students

The Issue

Gateway courses – especially the faculty who teach them and the students who take them – require a New Deal . . .

Let's Look at Some Data

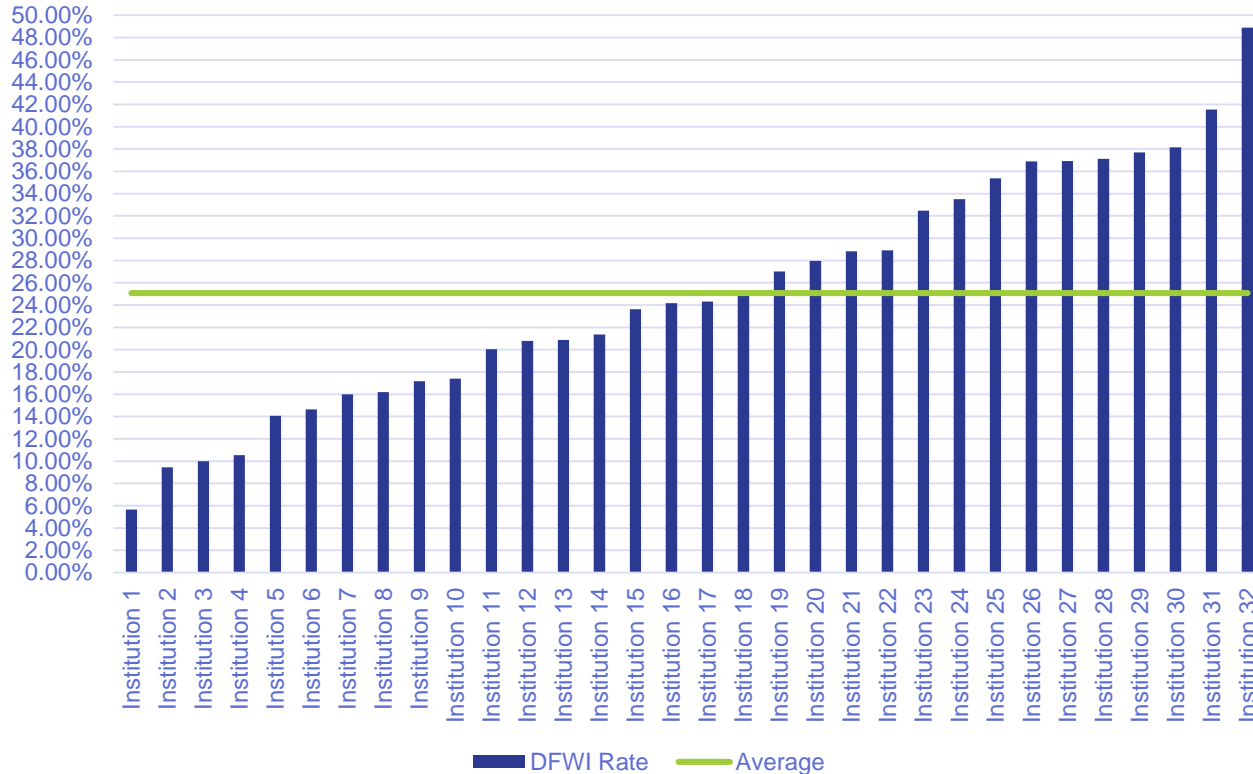


The Data – U.S. History Survey Courses

- ❖ 32 institutions
- ❖ Average DFWI Rate = 25.5%
- ❖ Range of 5.66% - 48.89%

The Data – U.S. Survey Courses

US History DFWI Rate by Institution

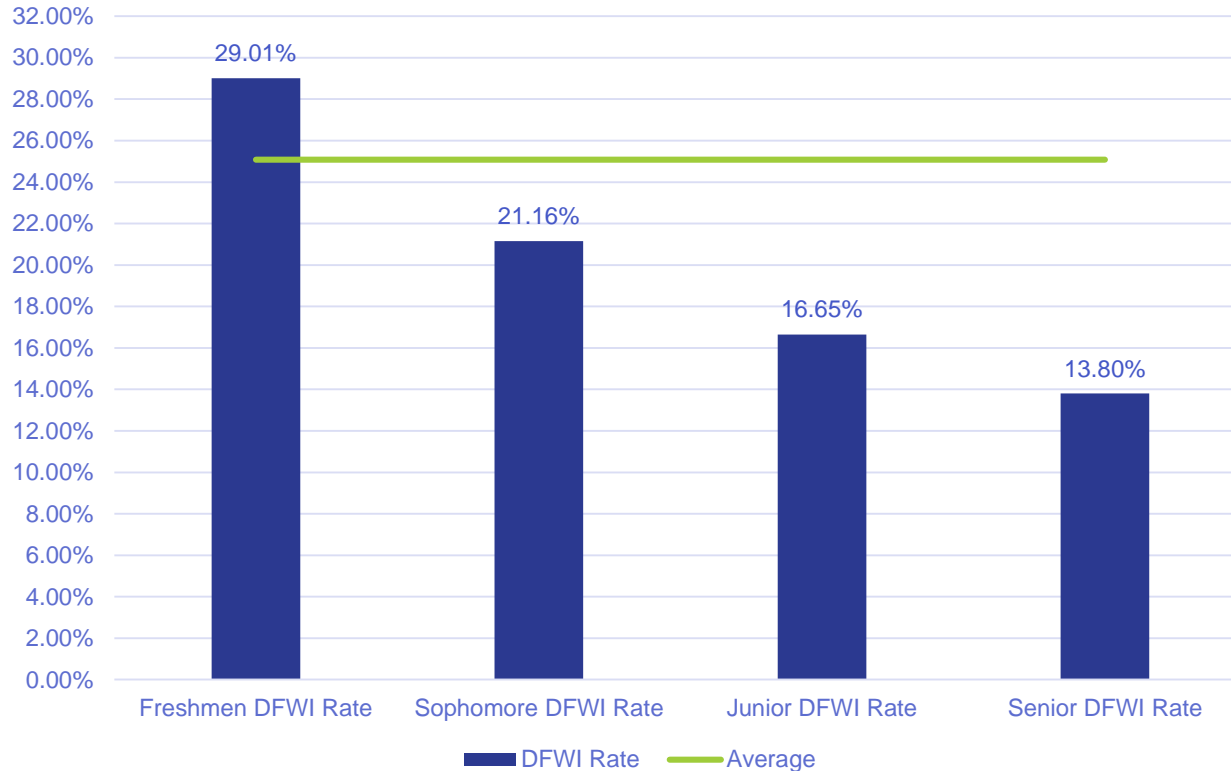


First-Year Students Are Most at Risk



The Data – U.S. Survey Courses

Average DFWI Rate by Classification

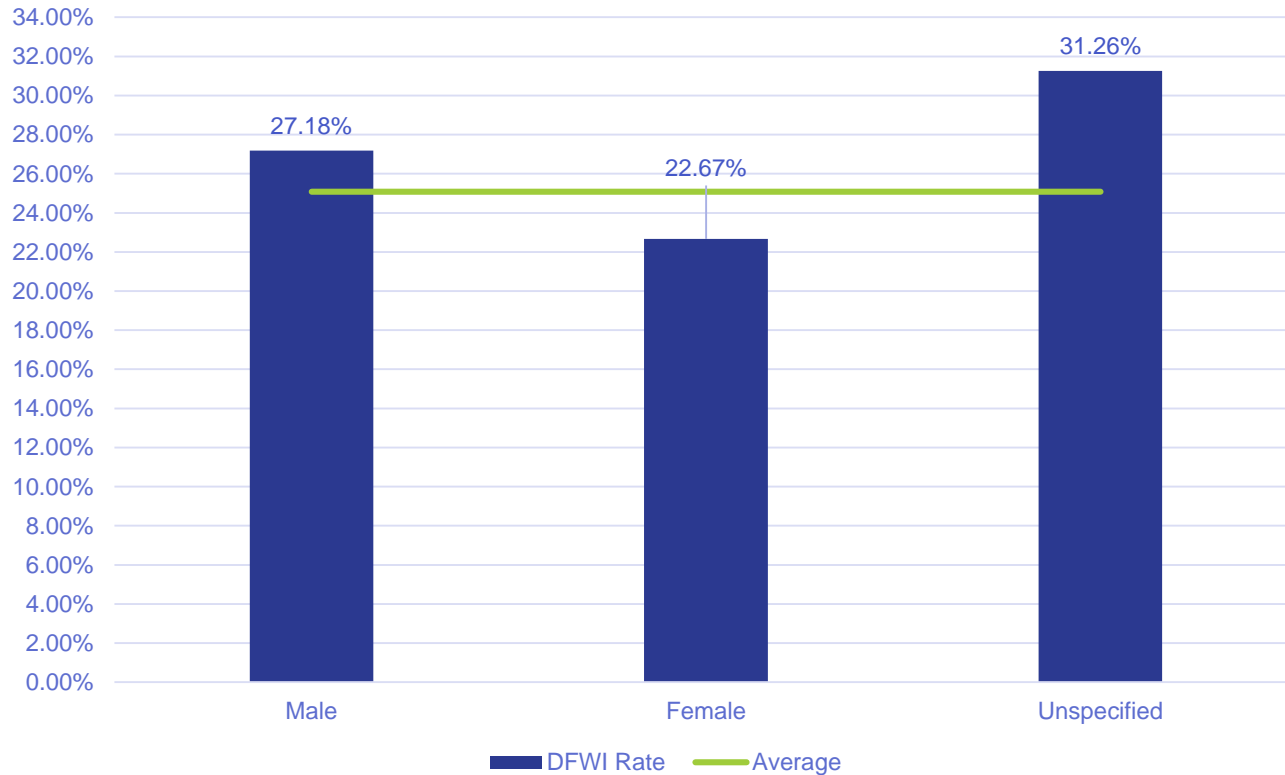


Gender, Income & First-Generation Status Matter



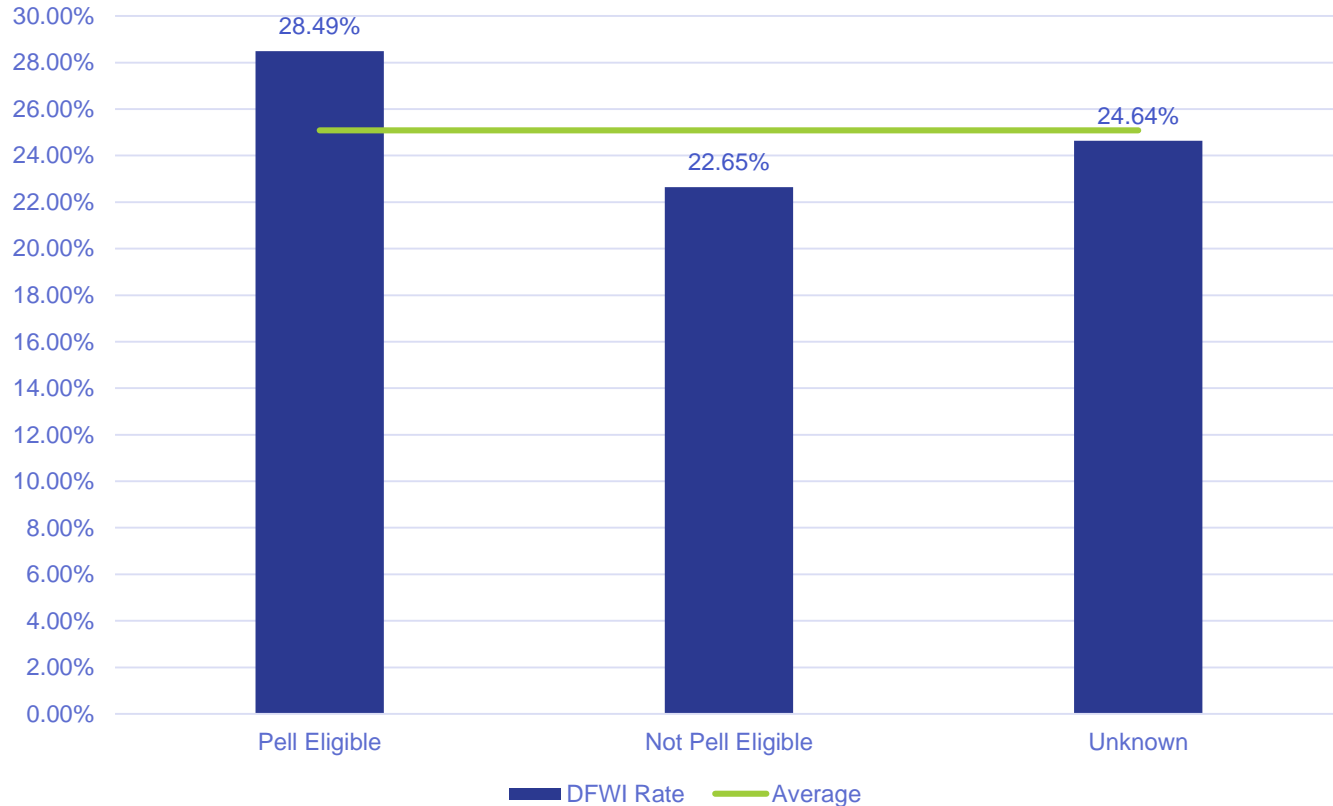
The Data – U.S. Survey Courses (Gender)

Average DFWI Rate by Gender



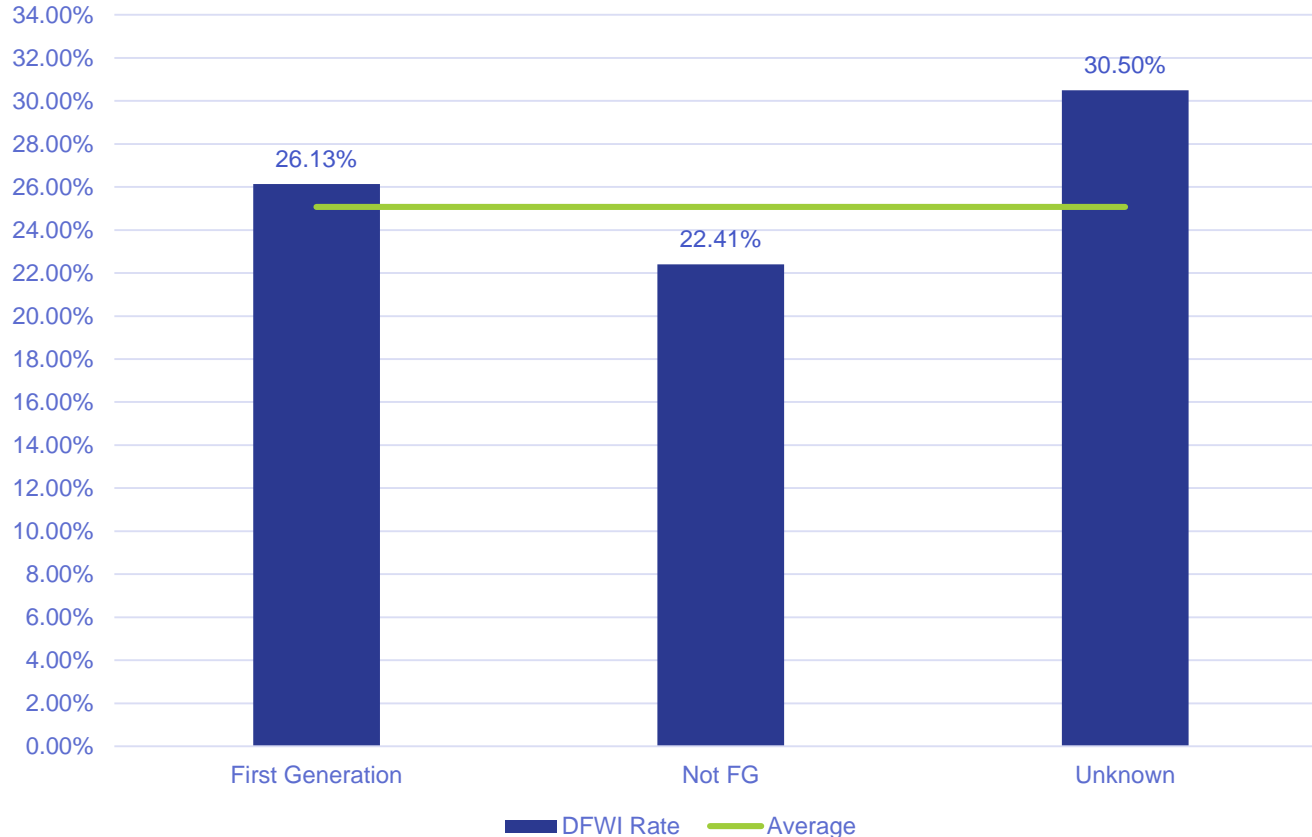
The Data – U.S. Survey Courses (Income)

Average DFWI Rate by Pell Eligibility



The Data – U.S. Survey Courses (First Generation)

Average DFWI Rate by First Generation Status

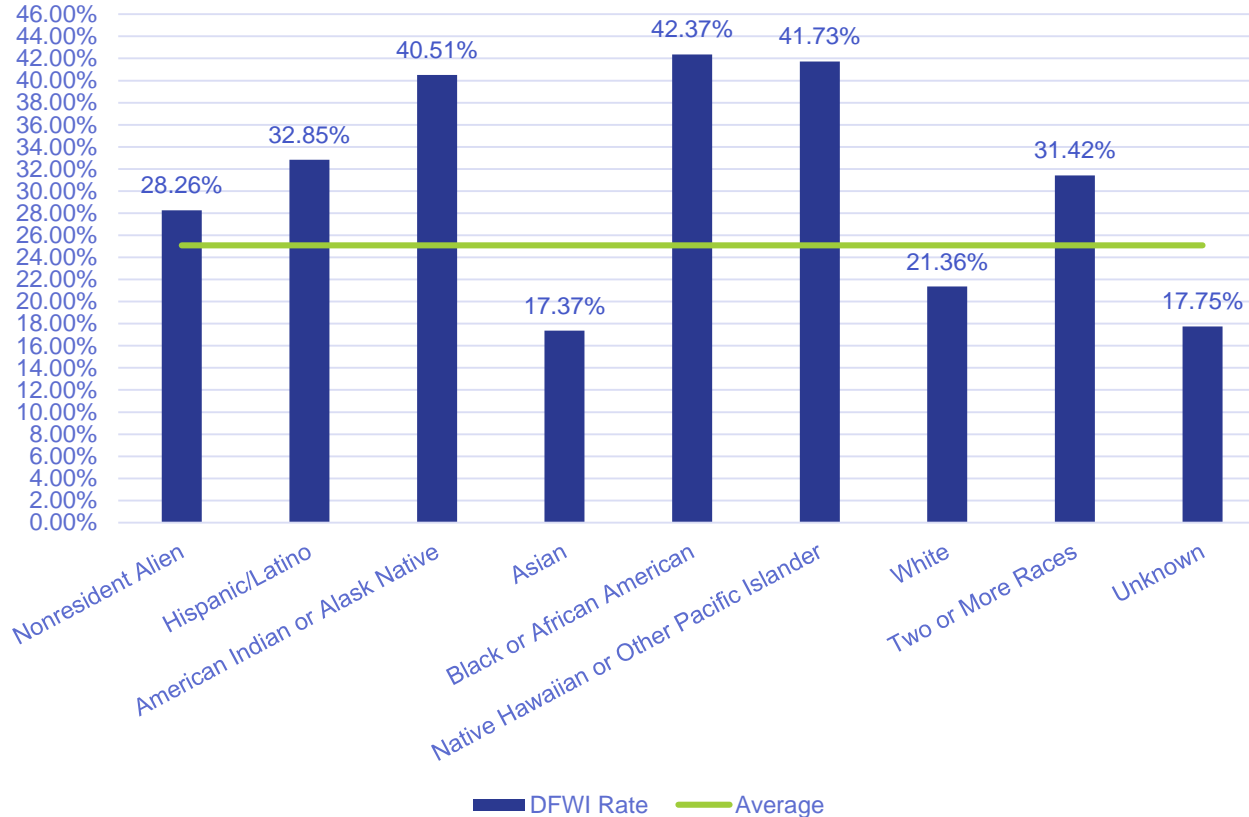


Race Matters



The Data – U.S. Survey Courses

Average DFWI Rate by Ethnicity and Race

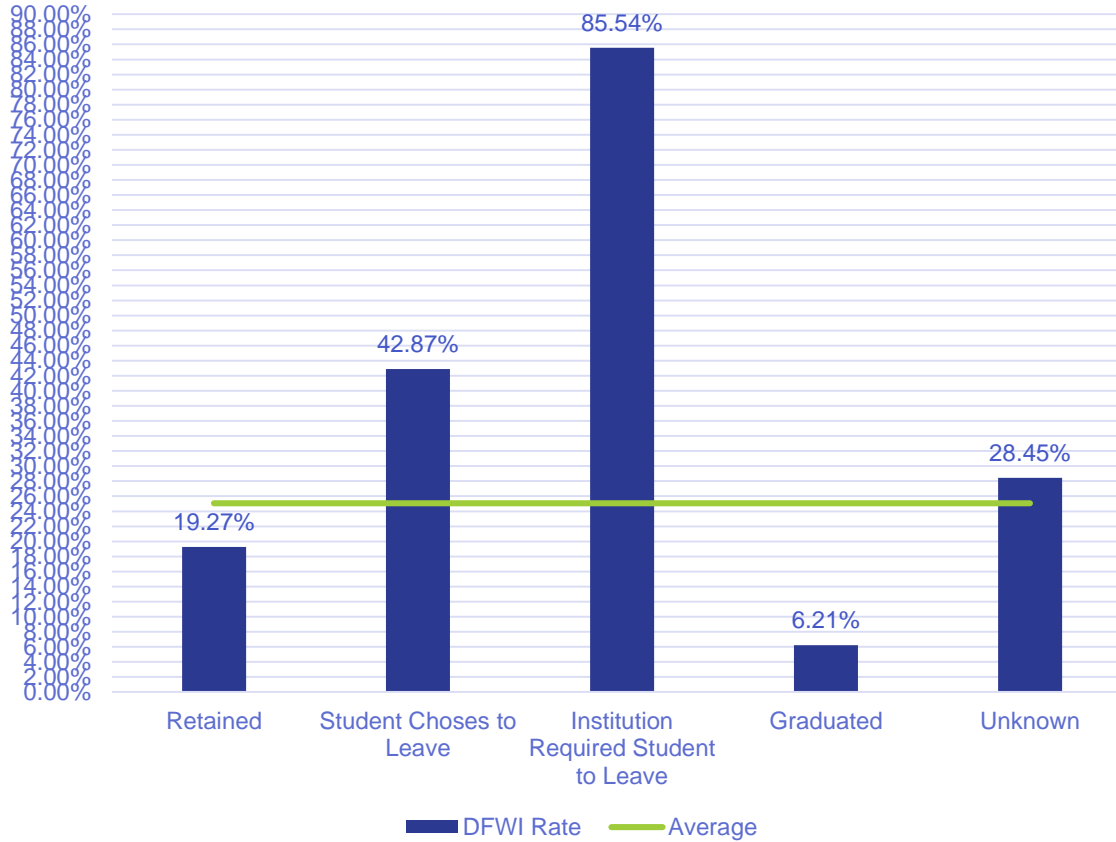


Gateway Course Performance is a **DIRECT** Predictor of Retention



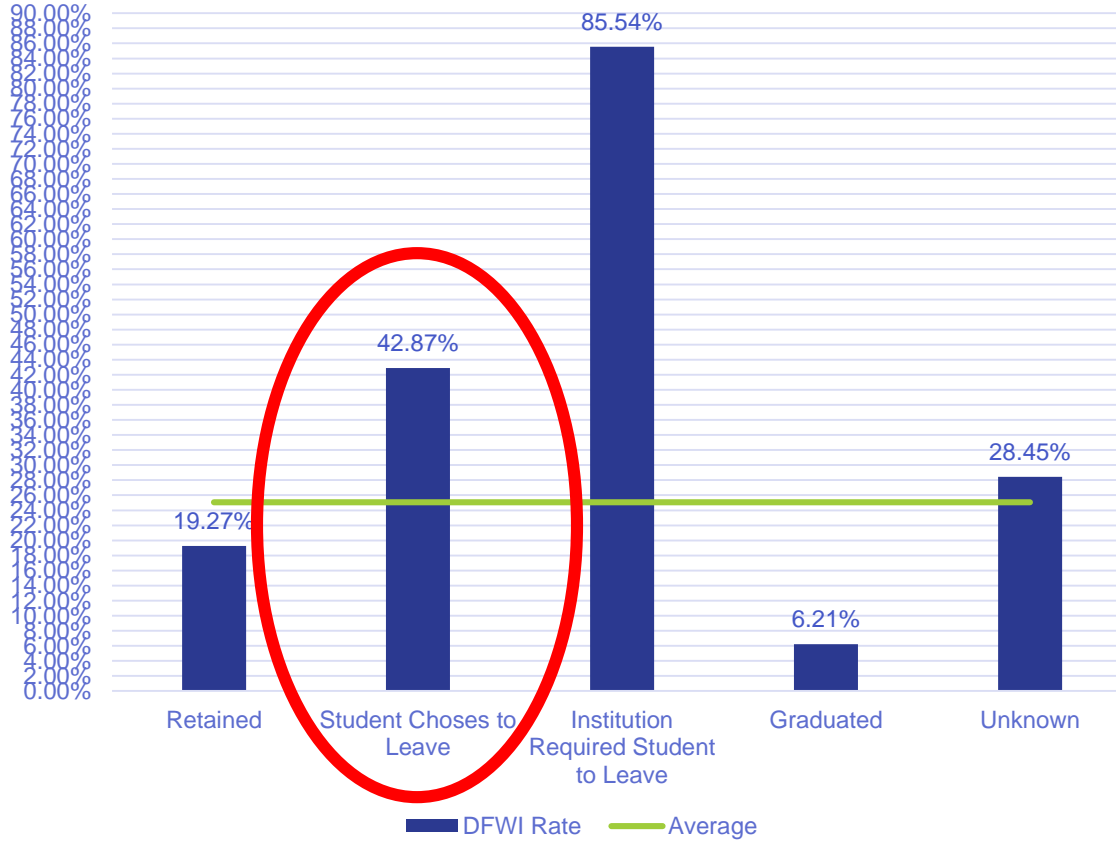
The Data – U.S. Survey Courses

Average DFWI Rate by Retention Status



The Data – U.S. Survey Courses

Average DFWI Rate by Retention Status



Lessons Learned

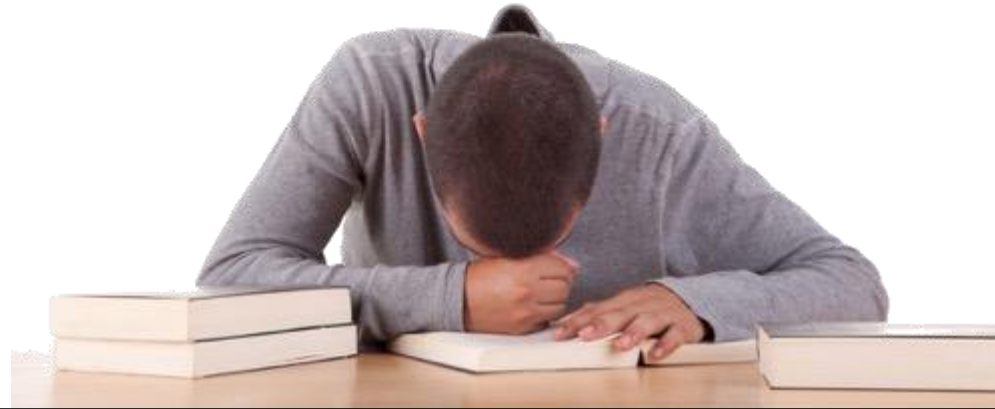
Column A. Course Examples from Individual G2C Institutions	Column B. Average DFWI Rate	Column C. DFWI Rate for Non-Retained Eligible-to-Return Students*
Principles of Accounting I	54.0%	81.6%
Foundation for Physiology / Biology	18.9%	55.0%
General Chemistry	36.3%	73.9%
Writing and Rhetoric I	10.6%	25.8%
Survey of American History	26.8%	67.2%
College Algebra	59.7%	73.5%
Beginning Algebra	24.4%	65.1%
Introduction to Psychology	28.1%	46.1%
Mean of Average DFWI Rates for Examples	32.4%	61.0%

Lessons Learned

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Summary – Gateway Course Outcomes

- Are Stumbling Blocks for All Students
- Especially
 - First-Year
 - Low-Income
 - First-Generation
 - Males
 - Racial Minorities



DISCUSSION

1. What Role Do You Play In These Outcomes?
2. What Can You Do to Alter Them?

Gateway Courses: Some Possible Solutions

Outcomes to Date: Retention



	G2C Students	Non-G2C Students
Retention	83%	77%
Good Academic Standing (GPA > 2.0)	74%	65%
Resiliency	54%	41%

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Approaches – What Did They Do at NSC?

- Embedded Support
- Engaging, Evidence-Based Pedagogies
- Predictive Analytics
- A COMPREHENSIVE PLAN

Outcomes to Date: Grades

College Algebra DFWI Rate Changes 2012-13 Through 2014-15



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Year (2012 Baseline)	Success Rate ABC	Below Average Rate D	Fail Rate F	Withdraw Rate W
2012 N= 2009	69%	9%	6%	16%
2013 N= 1900	70%	6%	8%	16%
2014 N= 2129	76%	6%	5%	13%

Outcomes to Date: Grades

Fall Term DFWI Rate Changes All Courses 2013 - 2016

	FA13	FA14	FA15	FA16	% Change
ACCT 2003	45.7%	39.4%	34.1%	34.1%	11.6%
BIOL 1014	35.6%	39.1%	31.0%	26.3%	9.3%
HIST 1903	36.0%	34.9%	33.3%	30.6%	5.4%
MATH 1113	47.6%	38.2%	44.9%	40.1%	7.5%
PSY 2003	27.2%	26.6%	27.0%	25.0%	2.2%



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Approaches – What Did They Do at ATU?

- Embedded Support
- Engaging, Evidence-Based Pedagogies
- Discriminate Analytics
- Sharing and Consistency
- A COMPREHENSIVE PLAN

Common Elements in General

- Raised Expectations (Not Lowered Standards)
- Faculty at the Center
 - With Student Success Staff Involved
- An Intentional, Integrated Plan
 - Linked with Institutional Priorities

Common Elements in General

- Evidence-Based
 - With Institutional Research Staff Involved
- Context Matters

But Above All Else . . .

Action!



But Above All Else . . .

Now that you know this,
what actions will you take?

Additional Questions & Discussion

Contact Information

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