Dr. James P. Lentini 2017 State of Academic Affairs Address Tuesday, March 28, 2017





OUWB Match Day



Perfect Match

 On Match Day 2017, 88 of the OUWB School of Medicine's third graduating class were placed in residency.

Of these:

- 11 (13%) matched at Beaumont Health;
- 29 (33%) students matched to first year programs in the State of Michigan;
- 30 (34%) students matched to disciplines classically defined as "primary care" – family medicine, internal medicine and pediatrics



School of Health Sciences



BDTS undergraduate Katie Aleck selected for research conference

- Will present research into the potential health risks of chemical compound Bisphenol-S (BPS) to make an oral presentation on April 1 at the ENDO 2017 conference in Orlando, Fla.
- One of only six selected from a large number of abstracts submitted in the category; most of the presentations are given by Ph.D., M.D. and doctoral students



School of Education and Human Services



Galileo-Saudia Arabia Project

- Twenty-nine teachers, administrators and counselors from Saudi Arabia at OU for six months
 living and learning in Oakland County as the first of three groups from that country which will
 participate in the Galileo-Saudi Arabia Leadership Project at Oakland University.
- A total of 100 education students, administration officers and more will visit the university over the next year, taking part in a three-phase project that aims to immerse the participants in the American educational process and facilitate a cultural exchange with the university during their stay.



School of Nursing





- 12-15 students in NRS 452 (Research Basis for Nursing Practice) will go to the Hubei
 University of Medicine in Shiyan, an institution that has a preexisting relationship with OU
 through the Eye Research Institute.
- The experience embedded in the course helps students to observe, learn and comprehend the research process and evidence-based nursing practice in a real world context.
- Traditional Chinese medicine and its complimentary treatment remedies are research topics that students can critically examine through empirical research.

School of Business Administration



Oakland DECA (Distributive Education Clubs of America)

2017 DECA state competition last month

- The Oakland University team brought home 12 plaques and 20 medals. Twelve members qualified to continue on to the international competition in Anaheim, California, in April.
- At the competition, Oakland sub-teams received case studies specific to their categories. Team members then had an hour to plan and practice 15-minute business presentations considered by a panel of judges.
- The team is now working to raise enough money to send its 12 qualifying students to the international competition.



College of Arts and Sciences



Four Distinguished Professors in the Department of Physics



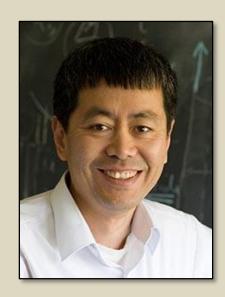
Michael Chopp



Andrei Slavin



Gopolan Srinivasan



Yang Xia

Graduate Education



Graduate Research Conference

Nearly 100 students presented at Oakland
 University's second annual Graduate Student
 Research Conference, which took place
 March 10. The event spotlighted a diverse
 array of research topics and was keynoted by
 Dr. Kathie Olsen, a neuroscientist whose
 career includes leadership roles at NASA and
 the National Science Foundation.



University Libraries



Opening of the Michael J. Rogers Congressional Collection

- The collection covers the Congressman's tenure in the Michigan Senate and his time in the United States House of Representatives
- The collection consists of 11 boxes of documents and photos, 215 artifacts and more than 27,000 digital files.



Honors College



Inspiration Awards

This annual award allows students to recognize instructors who have contributed to their academic and personal growth.

School of Nursing

Diane Noack / Jaden Fowler Kathleen Spencer / Byung Keum Stephanie Vallie / Jessica Polishuk

School of Health Sciences

Tamara Hew-Butler / Melissa VanderMeulen

Honors College

Paul Kohler (Art) / Delaney Kamm and Hannah Karyakose Preeti Gulati (Academic Advising) / Arsha Ali

College of Arts and Sciences

Charlene Hayden (Chemistry) / Nicholas Garza

David Hammontree (Writing and Rhetoric) /

Brittany Kleinschmidt

Cindy Mooty-Hoffman (Writing and Rhetoric) / Megan Luttinen

Doris Plantus (English) / Aaron Hellender, Alexa Ruhfass

and Darian Willett

Tom Raffel (Biological Sciences) / Alex Bageris

and Aleena Hajek

Grzegorz Tokarski (Italian) / Michela Manga and Holly Ryan

Jennifer Heisler (Communication and Journalism) / Taylor

Kanigowski, Sequoia Campbell and Amanda Lock

New Strategy in Macomb



New incentive model for delivering courses/programs

- Effort to serve a population seeking shorter terms and online/hybrid delivery
- Based on data and study with Aslanian Market Research

HYBRID Courses Offered - FALL 2017 7-Week Hybrid

1st Half: 9/6/2017 - 10/23/2017 2nd Half: 10/25/2017 - 12/16/2017

4 credit hour classes meet 3 hours and 20 minutes per week for 7 weeks with additional online coursework.

FALL 2017

1st Half: 9/6/2017 - 10/23/2017

CRN	COURSE	DAY/TIME	LOCATION	CREDITS
44847	AN 2130 Global Human Systems	Monday 6:00-9:20 PM	AFC	4
44846	GEO 2000 Global Human Systems	Monday 6:00-9:20 PM	AFC	4
44845	IS 2000 Global Human Systems	Monday 6:00-9:20 PM	AFC	4

Eye Research Institute



- Undergraduate biomedical sciences major Naveena Daram is coauthor on an article published in the October 2016 issue of the journal Investigative Ophthalmology and Visual Science.
- Daram is a member of the Honor's College, participated in the ERI's Summer Undergraduate Program in Eye Research (SUPER), and is a holder of a Michael P. and Elizabeth A. Kenny Scholarship for the Sciences, awarded by the College of Arts and Sciences



Naveena Daram is also the president of a student organization that travels abroad to conduct service missions. The **Foundation for International Medical Relief of Children** took their first trip in August to Peru and they are planning their next trip for spring 2017.

School of Engineering and Computer Science



Center of Cyber Security

Promote the interdisciplinary collaborative research in the area of cyber security

 Build on momentum with Master of Science in Cyber Security, SECS, Master of Science in Information Technology Management, (SBA) and outreach (OU INC) MedHealth Cyber Security Program and Macomb INC Cyber Security Range for Defense and Advanced Manufacturing



School of Engineering and Computer Science



This Drone Can Fly!

The Big Picture



The primary goal for Oakland University



Enrollment Scenarios to 2025



Target:

21,700

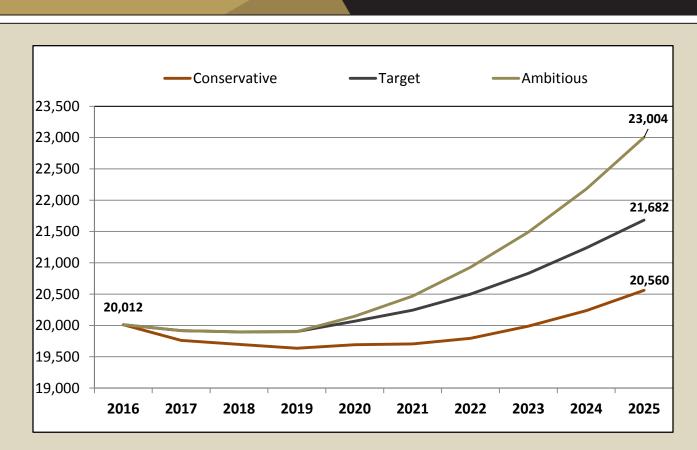
Conservative:

20,600

Ambitious:

23,000

Source: Oakland University
Office of Institutional Research

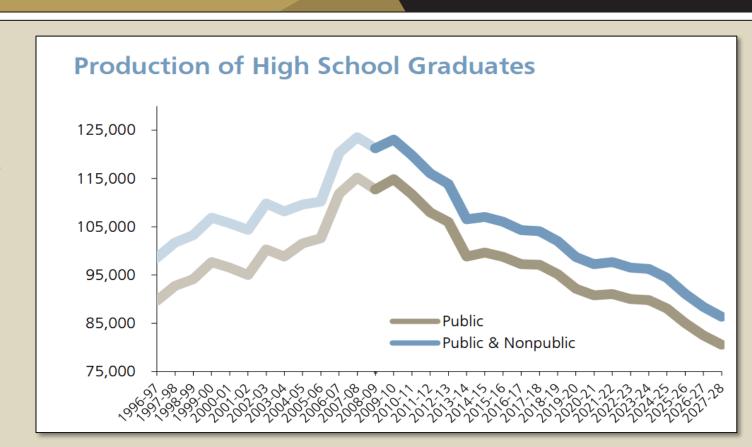


Fewer High School Graduates



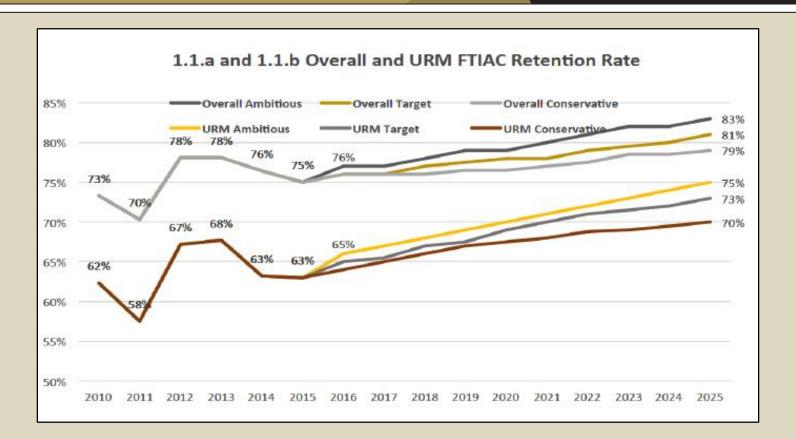
Pool shows steady decline through 2028

Source: Western Interstate Commission for Higher Education (WICHE)



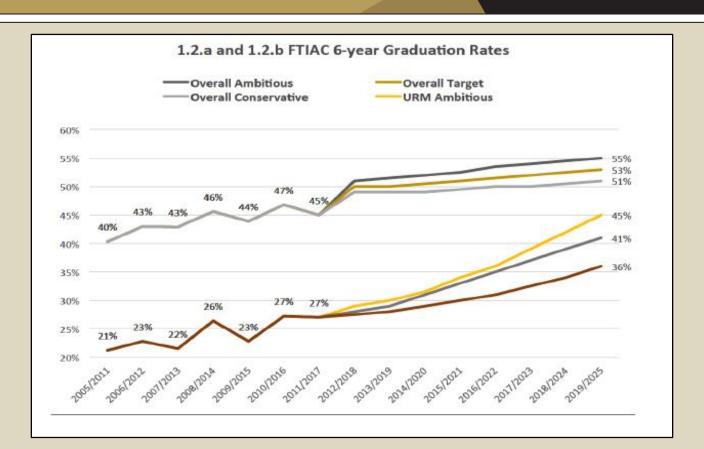
Projected Retention Rates





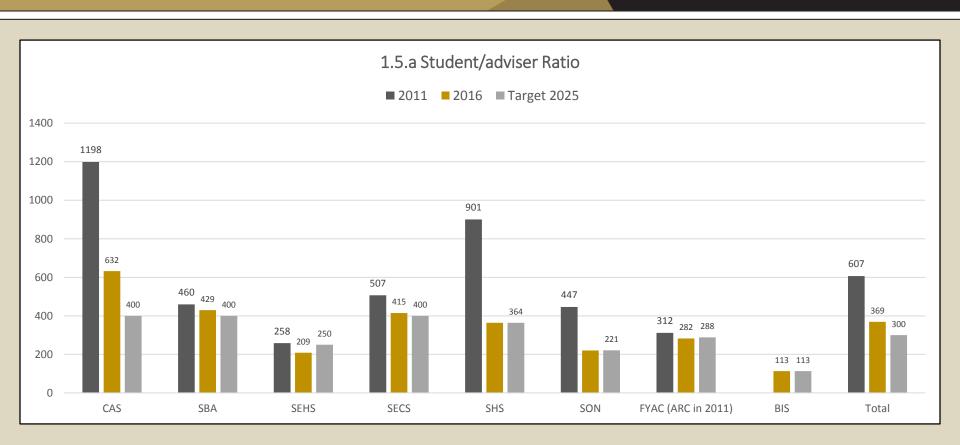
Projected Graduation Rates





Student/Advisor Ratios





Our Opportunity



- 1. Vigorously invest in strategies to move the needle on our retention rates
- 2. Better retention will result in improved graduation rates
- 3. Improved retention rates will help our students to achieve their goals toward graduation in a timely manner AND will improve our university budget

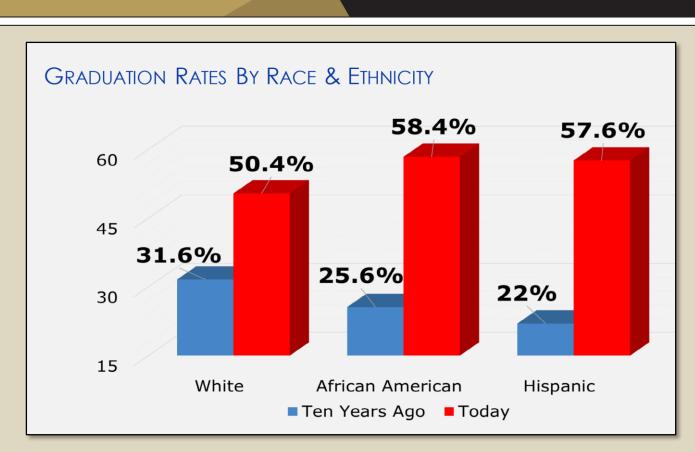
How do we do this?

A Model for Success



Georgia State
University
Dramatically
Improved
Graduation
Rates

How did they do it?



A Model for Success



GSU implemented a system utilizing predictive analytics in advising

High-impact strategy	Use predictive analytics and a system of more than 800 alerts to track all undergraduates daily, to identify at-risk behaviors, and to have advisors respond to alerts by intervening in a timely fashion to get students back on track.
Related Goal	Goal #1: Increase in the number of undergraduate degrees awarded by USG institutions. Goal #2: Increase the number of degrees that are earned 'on time.' Goal #3: Decrease excess credits earned on the path to getting a degree. Goal #4: Provide intrusive advising to keep students on track to graduate.

A Model for Success



Measures of Success	 Undergraduate Six-Year Graduation rates Number of Undergraduate Degree conferrals
Lessons Learned	 The true potential of predictive analytics comes, not from its ability to identify students at risk, but in its ability to support intensive advising practices. In order for predictive analytics to make a significant impact in higher education, technology solutions must be accompanied by investment in advising personnel and practices that can most effectively translate data into action.

Student Success



New Tools at OU

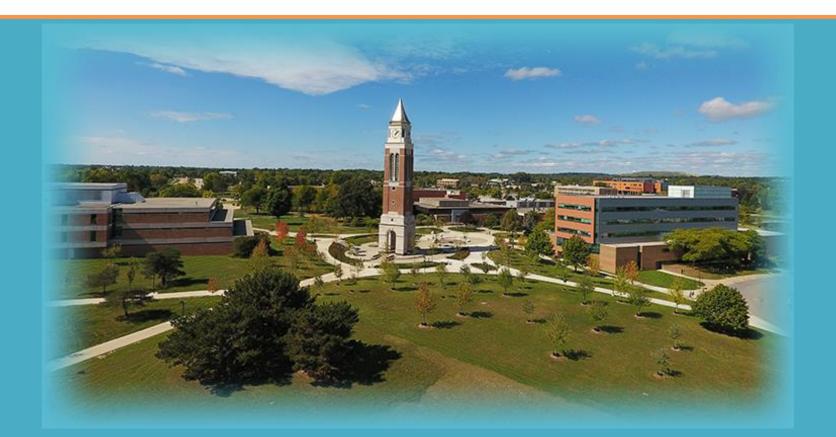


SSC Campus

- Degree Works
 Ad Astra



Student Success Collaborative™



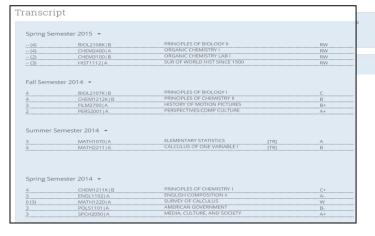
Sarah Robinson















Your information is secure.

Security measures allow your school to adhere to government rules and regulations concerning FERPA and overall student privacy. Thank you!

Professor Sentz:

You have been asked to fill out progress reports for students in the following classes. Update each student based on your best knowledge of their performance at this point in the term.

POLS2401-2401-1 GLOBAL TSSUES



Submit only marked students (but I'm not done)

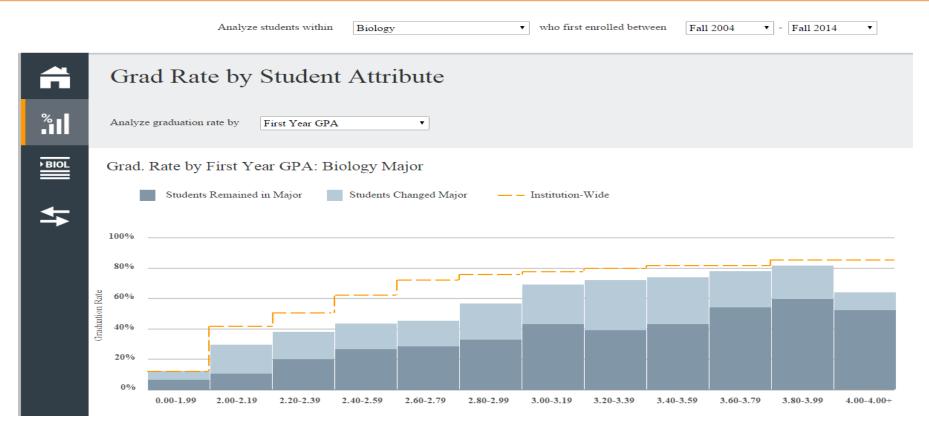
This button will submit students you have marked into GradesFirst as being complete (effectively removing them from your list of students). However, the students you have not marked will remain on your list. As a result, you can re-use the link in the progress report email, at any time, to continue marking the rest of the students in your classes. Repeat this process until all students have been marked in some form or fashion.

Submit unmarked students as not At-Risk (I'm all done)

This is your "I'm all done" button. It will submit the students you have marked as you indicated. It will also submit the rest of your students as not at-risk. For example, if there are ten students in your course and only two of them are at-risk, you don't have to mark them all. You can mark the two marks the two marks the two marks the two and then use this button to mark the remaining students as not at-risk, therefore saving time and effort. Please use this button carefully because with just a single click, it will cotally complete your progress report campaign.

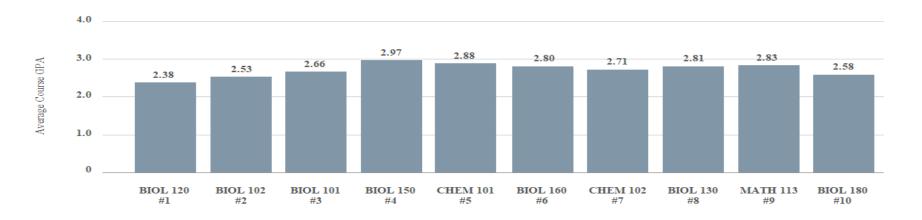
Comparing Graduation Outcomes to First Year GPA





View Average Course GPA ▼ of Ten Most Predictive Courses ▼

Summary of Courses

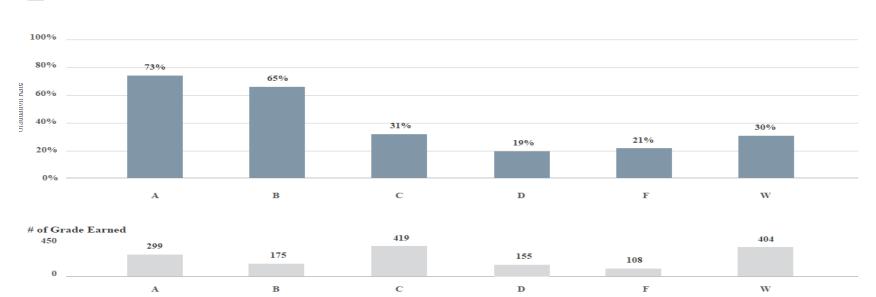


Analyze graduation rate by Grade Earned ▼

for course BIOL 120 ▼ + Add course to compare

Grad Rate by Grade Earned

BIOL 120

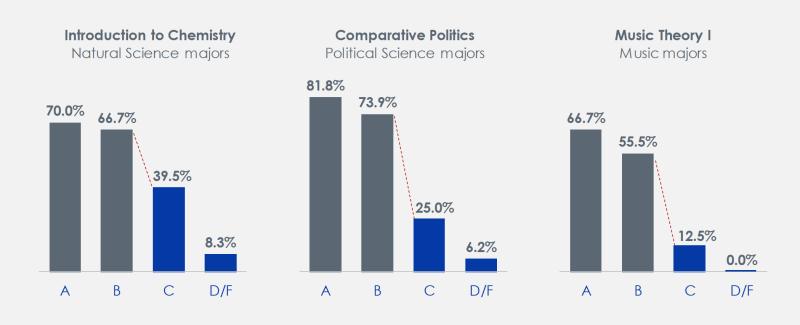




Alerts Based on Historical RPG Data



Graduation Rate in Major by Introductory Course Grade



Degree Works



New Computerized, Web-Based Degree Audit

Coming Fall 2017

For Students, Degree Works:

- Provides real-time advice and counsel
- Speeds time to graduation
- Provides intuitive web access to self-service capabilities
- Streamlines the graduation process
- Allows direct access to multiple related services and advice through hyperlinks to catalog information, class schedules and transcripts

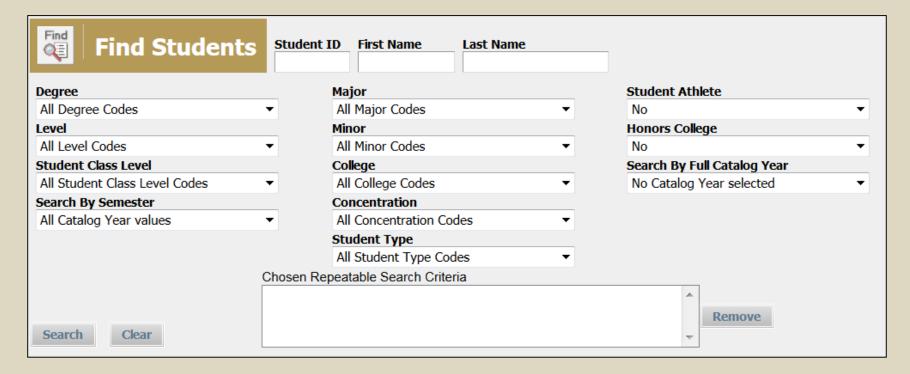
For Advisers, Degree Works:

- Supports real-time delivery of academic advice through intuitive web interfaces
- Minimizes errors through consistent degree plans
- Supports more timely degree certification
- Reduces paperwork and manual program check sheets
- Supports and monitors unique program changes

Degree Works



Easy Search Functionality

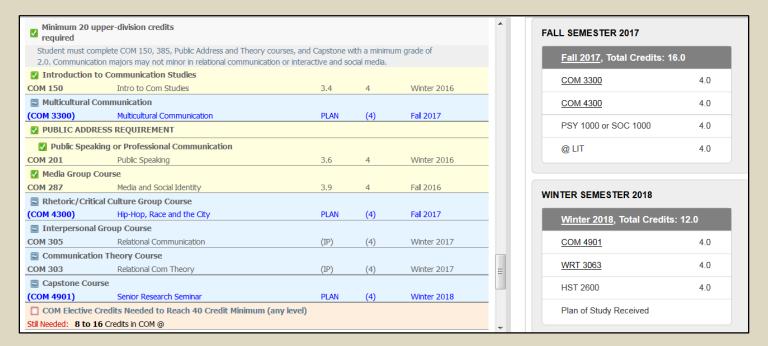


Degree Works



Map Out Students' Academic Plans

Keep Them on Track for On-Time Graduation



Ad Astra

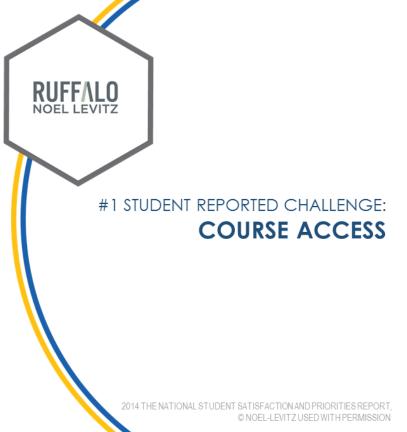
The 2014 Noel-Levitz National Student Satisfaction and Priorities Report gathered data from 600,000 student nationwide and identified the biggest challenges with their college experience.



CHALLENGES FOR STUDENTS

 Up to 50% of students are not satisfied with class registration

Ad Astra



CHALLENGES FOR STUDENTS

- Non-productive credits
- Time off waiting for needed courses
- Time slot conflicts
- Sequencing and availability of classes



OBSTACLES DUE TO COURSE AVAILABILITY

2014 THE NATIONAL STUDENT SATISFACTION AND PRIORITIES REPORT © NOEL-LEVITZ USED WITH PERMISSION

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Action Taken

- Engaged in a partnership with Ad Astra Information Systems
 - Utilizing scheduling software and on-going degree audit analyses to identify roadblocks to success and predict future demand
- Creation of the Strategic Scheduling Team
 - Objectives
 - Identify opportunities to better allocate space
 - Centralize select scheduling policies and procedures
 - Highlight areas of opportunities to align the schedule with student needs
 - Act as proxy analysts of Ad Astra data
 - Communication hub for departments to discuss course needs
 - Will have access to historical demand trends,
 predictive demand and registration monitoring



What's the difference in course access analyses?

HESI Scheduling Index (Dashboards tab)

- How you perform against goals and "like" institutions
- 17 metrics to measure space and course access
- Uses 5 years of historical data
- Filter to see just your department's results
- Export candidates to an excel document
- Make early changes to your schedule
- Only one HESI benchmark switch to Platinum Analytics next

Platinum Analytics (Analytics tab)

- Predictive Demand Analytics
- Uses degree audit data and 5 years of historical data
- Provides "Top Candidates" for immediate review and changes
- Filter to see just your department's results
- Export candidates to an excel document
- Testing phase happening now
- Full analysis results expected for Spring 2018

Ad Astra

Ad Astra

Ad Astra Deliverables

- One HESI benchmark with recommendations (completed)
 - Space utilization
 - Scheduling policies and process efficiencies
- Platinum Analytics analyses each term
 - Candidate recommendations
- Registration monitoring using Snapshot Reporting
 - Provides enrollment warning signals when action needs to be taken
 - Keep an eye on key courses in real time
- Executive Summaries available after each term analysis

Ad Astra

Next Steps

- Incorporate department heads to further analyze schedule recommendations
 - A commitment to targeted improvement each term is critical
 - Contribute to changing policies to better impact student success
 - Participate in web trainings to learn more about how recommendations are produced
 - Track changes to schedules to better identify trends and departmental needs
- Review current procedures regarding scheduling and clean up the data for further analyses

Resource Management and Allocation



Using Data to Inform Decisions



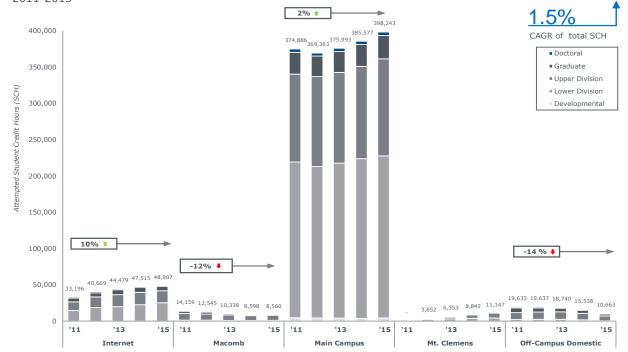


Student Scorecards

Investigating Institutional Enrollment Trends, Student Progress Barriers, and Class Size and Seat Utilization

Where Are SCH Taught by Campus?

Attempted SCH by Campus and Course Level and Compound Annual Growth Rate (CAGR) by Campus, 2011-2015



Changes to departments, colleges and campuses were cross-walked according to notes provided by the institution. Restructuring of colleges or departments may affect the results shown. See Appendix for details.
 No CAGR for Mt. Clemens were calculated due to only 4 years of student credit hours available.

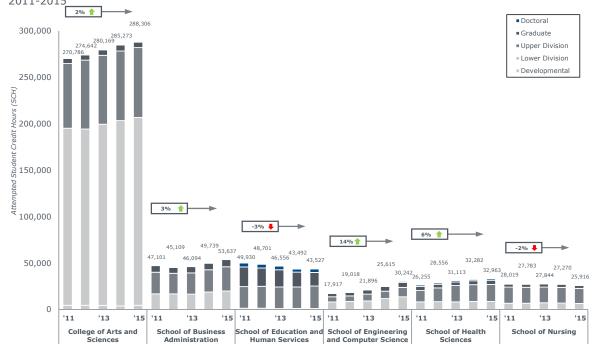
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³⁾ Doctoral student enrollment in 600-level courses are classified and counted as graduate level data

How Are SCH Taught by Colleges Changing Over Time?

Attempted SCH by College and Course Level and Compound Annual Growth Rate (CAGR) by College, 2011-2015



Changes to departments, colleges and campuses were cross-walked according to notes provided by the institution. Restructuring of colleges or departments may affect the results shown. See Appendix for details.

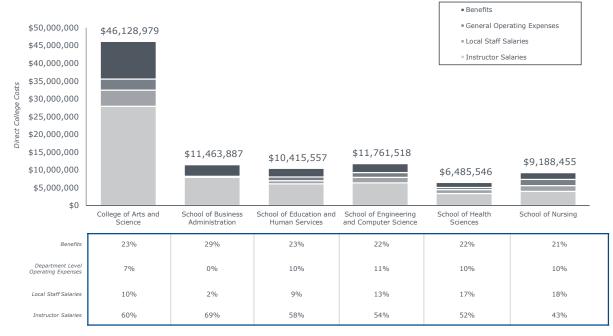
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²⁾ Doctoral student enrollment in 600-level courses are classified and counted as graduate level data

What Costs Are Associated with Each College?

Instructor and Local Staff Salaries, Benefits, and General Department-Level Operating Expenses by College, 2015

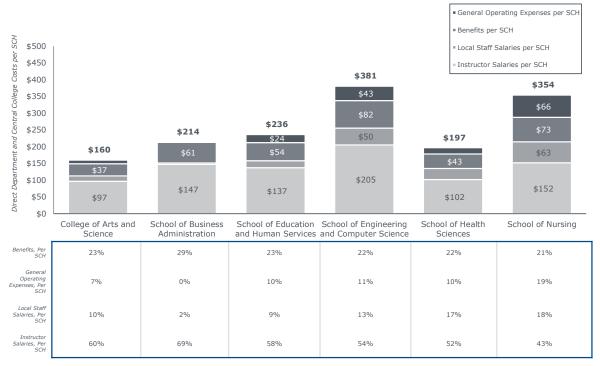


Note that because of internal differences in how expenditures are funded and accounted for between the academic units, overall costs and cost per SCH across the units may not be comparable.



What Are the Direct costs to Produce an SCH Across Colleges?

Instructor and Local Staff Salaries, Benefits, and General Department-Level Operating Expenses per SCH by College, 2015

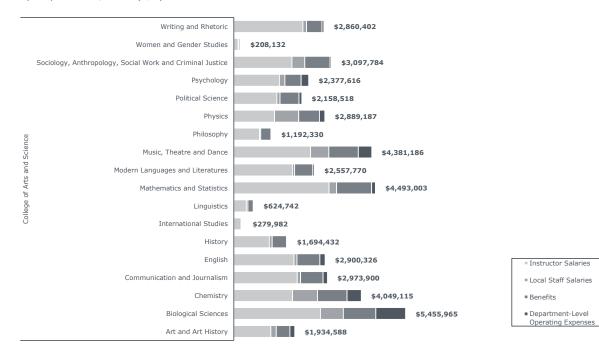


 Note that because of internal differences in how expenditures are funded and accounted for between the academic units, overall costs and cost per SCH across the units may not be comparable.



What Are the Direct Costs to Departments?

Instructor Salaries, Local Staff Salaries, and Department-Level General Operating Expenses by Department, 2015 (1/2)



Note that because of internal differences in how expenditures are funded and accounted for between the academic units, overall costs and cost per SCH across the units may not be comparable.



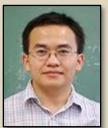


The National Science Foundation Career Award

As NSF's most prestigious award for junior faculty, it is a national measure of the quality of our pre-tenure faculty and their research. OU currently has 4 such awards.



Jing Tang, Electrical and Computer Engineering A systematic effort to advance the hybrid PET/MRI system for medical imaging.



Libin Rong, Mathematics and Statistics

A method to develop and analyze mathematical models to quantitatively investigate virus infection and immune responses and to demonstrate their implications for antiviral treatment and vaccination.

Research





Tom Raffell, Biological Sciences

Mathematical modeling of body temperature of cold blooded animals on the rate of parasitic infection.



Yonghong Yan, Computer Science and Engineering
This CAREER project develops innovative software techniques
to address the programming and performance challenges of the
existing and emerging memory systems

Having 4 active CAREER awards ranks OU fifth among all universities in the state.

Research



- Search in process for new Director and V. Everett Kinsey Endowed Professor in the ERI
- OU Institute of Spintronics and Microwave Technology: ten grants submitted, four funded totaling \$2,329,676 with several under review
- Center for Data Science and Big Data Analytics: hosted a forum entitled "Strength in Numbers" featuring interdisciplinary presentations.

Community Engagement





Aligning Our Organizational Structure

President George Hynd

Academic Affairs

Provost James Lentini

- Senior Associate Provost
- Director for Student Success
- Coordinator of Experiential Learning
- Deans and Unit Outreach Specialists
- Assessment Coordinator
- Associate Vice President for Research
- Dean of Graduate Studies

Government and Community Relations

Vice President Rochelle Black

Student Affairs

Vice President Glenn McIntosh

- Dean of Students
- Director of Pre-College Programs
- Upward Bound Director
- Coordinator for Community Services
 Partnerships
- Center for Student Activities Director
- Center for Multi-cultural Initiatives Director
- Office of Career Services Director

Community Engagement



Initiatives

- Planning for Carnegie engagement designation continues
- OU/Pontiac Initiative
- School/College initiatives ongoing



Events





Faculty Recognition Luncheon, and Student, Staff and Faculty Remembrance Celebration

(Inaugural Event)

Wednesday, April 19, 2017 11:30 a.m.

Varner Vitality Lecture Series

Featuring speaker

Doris Kearns Goodwin



Thursday, April 13, 2017 7 p.m.

The Arts at OU





Sunday, April 2, 2017 at 3:00 p.m. VARNER RECITAL HALL





