



Office of the President

1700 Van Hise Hall
1220 Linden Drive
Madison, Wisconsin 53706-1559
608-262-2321
jrothman@uwsa.edu
www.wisconsin.edu

November 17, 2022

To: The Honorable Tony Evers, Governor
Michael J. Queensland, Chief Clerk, Wisconsin State Senate
Edward A. Blazel, Chief Clerk, Wisconsin State Assembly

From: Jay O. Rothman, President, University of Wisconsin System
Jennifer L. Mnookin, Chancellor, UW-Madison

Re: Legislated Accountability Requirements (2011 WI Act 32 & 2015 WI Act 55)

We are pleased to present you with the 2022 UW System accountability information as outlined in Wisconsin statutes, 2011 Wisconsin Act 32, and 2015 Wisconsin Act 55. The only statewide system of higher education in the nation to issue an annual accountability report since 1993, the UW System remains committed to accountability and transparency to our governmental leaders and the citizens of Wisconsin.

Act 32 performance measures are presented on the [Accountability Dashboard](#). The Accountability Dashboard is designed for ease of navigation and mobile accessibility. Links to executive summaries for the UW System and UW-Madison are available on the website and provided below. Each executive summary contains additional required accountability information on measures not suitable to the dashboard format.

- [UW System Act 32 Executive Summary \(excluding UW-Madison\)](#)
- [UW-Madison Act 32 Executive Summary](#)

As required by 2015 Act 55, the UW Board of Regents identified accountability measures in the areas of financial management, administrative management, educational performance, research and economic development. Measures in these areas were approved in January 2016 by the joint legislative committees and are integrated on the [Accountability Dashboard](#) website.

cc: UW Board of Regents
UW Chancellors
UW System President's Cabinet
Jennifer Noyes, Interim Chief of Staff, UW-Madison

Legislated Accountability Requirements

University of Wisconsin System

Not Including UW-Madison

Executive Summary

Performance

- UW System institutions graduate students at a rate **(58.1%)** lower than a comparable national group of institutions **(63.1%)**. For more details, see the [Progress & Completion](#) topic of the Accountability Dashboard.
- UW System institutions awarded a total of **25,176** degrees last year. Further information is available via the Accountability Dashboard in the [Progress & Completion](#) topic.
- During the 2020-21 academic year, UW System institutions conferred **5,609** total degrees in STEM fields and **2,404** in Health areas at all levels. Data for individual UW institutions are available in the [Economic Development](#) topic of the Accountability Dashboard.
- Bachelor's degree recipients in 2020-22 enrolled an average of **8.9** fall and spring semesters between entry as new freshmen and graduation. The average time to graduation was less than five academic years, and was lower than the average of 10.2 semesters for graduates in 1993-94 when the goal to reduce credits to degree was established. The Accountability Dashboard includes additional detail in the [Student Affordability](#) topic.
- UW System graduates in 2020-21 attempted an average of **133** UW credits by the time they graduated, down from 150 in 1993-94. The [Student Affordability](#) topic of the Accountability Dashboard contains further details.
- Institutions of the UW System retain new freshmen entering full-time at a rate **(74.8%)** lower than the national average **(82.4%)**. The [Progress & Completion](#) topic of the Accountability Dashboard contains further details.
- UW institutions collect information on undergraduate students' career activities immediately after graduation. In addition, some UW institutions survey students several years after graduation to understand career outcomes over a longer term.

View the [Economic Development](#) topic of the Accountability Dashboard for more details.

- Among 2017-18 graduates who were Wisconsin residents when enrolled, **92%** were living in Wisconsin three years after graduation, while **11%** of Minnesota reciprocity students and **21%** of other nonresidents remained. More details about alumni are included under the [Economic Development](#) topic in the Accountability Dashboard.

Financial

- The UW System financial reports are prepared annually according to standard accounting principles. The reports are available on the UW System, Financial Administration [website](#).

Access and Affordability

- The median family income for undergraduate students at UW institutions was **\$79,760** in 2020-21. Median family income differs depending on whether a student is considered a dependent or independent for financial aid purposes. The majority of undergraduates are dependents. Incomes also vary by residency status. Non-resident and reciprocity students have higher family incomes than resident students among dependent undergraduates. Out-of-state independent undergraduates and graduate students have lower incomes. Additional details are available [here](#).
- The enrollment of lower income students is measured by the percentage of UW System undergraduates who receive a Pell Grant. Undergraduate Pell grant recipients enrolled in 2020-21 include **27.9%** of Wisconsin resident students, **17.9%** of Minnesota reciprocity students, and **19.9%** of other nonresident students. Additional details are displayed in the [Access](#) topic of the Accountability Dashboard.
- Among fall 2021 undergraduates, **15.0%** of Wisconsin residents, **8.8%** of Minnesota reciprocity students, and **13.5%** of other nonresidents were underrepresented minority (URM) students. URM students includes students who identify as African

American, American Indian, Hispanic/Latino(a), or Southeast Asian alone or in combination with other races/ethnicities. The [Access](#) topic of the Accountability Dashboard includes further details.

- In 2020-21, UW System institutions enrolled **8,421** new transfer students, who make up nearly one-third of new undergraduate degree-seeking students. More details and years of data are provided in the [Access](#) topic of the Accountability Dashboard.
- UW System replaced the Transfer Information System (TIS) Credit Transfer Wizards through a subscription for two transfer technology solutions, the Transfer Evaluation System (TES) is an administrative tool and the public-facing Transferology (TFO). The subscription includes all UWS institutions, the Wisconsin Technical College System districts (WTCS), the Lac Courte Oreilles Ojibwa Community College, and the College of Menomonee Nation. Transferology enables students to search for transfer equivalency matches from in-state and out-of-state institutions, as well as from military and standardized exam programs including Advanced Placement (AP) test, International Baccalaureate (IB) program, College Level Examination Program (CLEP), and the DANTES Subject Standardized Test (DSST). More details may be found on the [Transfer Wisconsin](#) website.
- The UW System served more than **11,600** students in 2020-21 who were still in high school, through UW course offerings and through college credit programming at participating high schools. Further information can be seen [here](#).
- In 2020-21, the published cost of attendance (**\$20,564**) for resident new freshmen was lower than at a comparable group of institutions (**\$24,649**). The average net cost of attendance for Wisconsin resident new freshmen in the UW System (**\$14,681**) was slightly higher than at a comparable group of institutions (**\$14,542**). More about the published and net cost is shown in the [Student Affordability](#) topic of the Accountability Dashboard.
- Institutional grant aid to students with financial need in 2020-21 was **57.5%** of all institutional grants, and slightly down over the prior year. Institutional grants totaled **\$23.7 million** during the 2020-21 year. The [Student Affordability](#) topic of the Accountability Dashboard includes additional years of data for UW institutions.

Undergraduate Education

- The majority of first-year students (**86%**) and seniors (**78%**) in 2020 indicated satisfaction with the availability of general education courses. See the [Undergraduate Experience](#) topic of the Accountability Dashboard for more information.
- UW System institutions offer over **300** undergraduate majors. The UW System's Higher Education Location Program (UW HELP), maintains a breadth of information regarding UW System institutions. UW HELP's [Find a Program](#) is a useful tool for prospective students, parents, high school guidance counselors, and others.
- The most popular majors sought by students were in Business (**20.9%**), followed by Education (**11.0%**), and Health professions (**8.8%**). Go [here](#) for a list of undergraduate enrollments by major.
- At or above the national average, **83%** of freshmen and **84%** of seniors gave their entire experience at a UW System institution a positive rating. See the [Undergraduate Experience](#) topic of the Accountability Dashboard to learn more.
- The UW System is committed to providing all students an equal opportunity to succeed in higher education. Closing the gap in second-year retention rates and six-year graduation rates between underrepresented minority (URM) students and non-URM students is one important effort the UW System is making to achieve this goal. Gaps remain and closure seems to have stagnated. The [Progress & Completion](#) topic of the Accountability Dashboard includes more detail.
- Seniors in 2020 reported participation in an internship or field experience at higher (**54%**) than national (**46%**) rates. To explore more, see the [Undergraduate Experience](#) topic of the Accountability Dashboard for additional years of data and more information.
- UW System students performed above the national average for nursing licensure and on the writing section of the Graduate Record Exam (GRE). To see more about how students performed on this and other post-baccalaureate exams, click [here](#).

Graduate and Professional Education

- Of the **4,469** graduate and professional degrees conferred, **30% (1,356)** were in key areas such as Business, Nursing, Engineering, Physical Therapy, and Audiology. Follow this [link](#) for further details.
- Graduate students commonly participate in internships and cooperative work experiences as a component of their UW graduate program. More information is available [here](#).
- Currently, financial incentives such as student loan-forgiveness programs, tax credits, or home ownership assistance to students who remain in the state after graduation are not available to UW graduates. Further information is available [here](#).

Faculty

- Faculty are engaged in a variety of activities in addition to classroom instruction including instructional design, course preparation and evaluation, advising, community service, research and scholarship, and administrative and governance responsibilities. Combined, these activities promote student achievement, economic development, and lead to prestigious awards and recognitions. Go [here](#) for additional context about the work of faculty.
- Average weekly group contact hours among faculty were **7.6** hours at UW-Milwaukee and **11.5** at the UW Comprehensive institutions. The Accountability Dashboard includes more details regarding faculty instructional workload in the [Faculty & Staff](#) topic.
- Annual faculty turnover across the UW System totaled **395** positions during FY21 and averaged **7.3%**. Annual retirements averaged **4.6%** and annual resignations averaged **2.2%**. Contracts were not renewed for **11** individual faculty. Of the **123** resignations in FY21, **50** were tenured faculty and **73** were tenure track (probationary) faculty. UW System faculty salaries were **12.6%** lower than faculty salaries at comparable peer universities. More details about recruiting, retaining, and compensating scholars is included in the [Faculty & Staff](#) topic of the Accountability Dashboard.

Economic Development

- Revenue brought into the state through federal, state, and private sources totaled **\$900.2** million in fiscal year 2021. For revenue by source, go [here](#).
- Academic research and development at UW System institutions is a significant source of economic

activity for Wisconsin. The number of new projects, projects in progress, and projects completed in fiscal year 2021 totaled **2,813**. Follow this [link](#) for additional years of information.

- Through the WiSys Technology Foundation and the UWM Research Foundation, in fiscal year 2021, UW System institutions generated **35** U.S. patents and executed **14** new licenses for technologies. In addition, these institutions generated **95** disclosures of inventions or other intellectual property. Further explanation is provided [here](#).
- Research discoveries at UW System institutions are increasingly being tapped for their commercial potential. The WiSys Technology Foundation and the UW-Milwaukee Research Foundation have facilitated **44** startup companies in addition to patents and licenses for new technologies. The \$2 million [Ideadvance Seed Fund](#) provides additional support to entrepreneurs at UW institutions. Additional context and details are available at this [link](#).
- The UW System supports Wisconsin businesses through the products and services it purchases in connection with sponsored research. The number of vendors affiliated with the UW System totals **555** not including vendor purchases made through electronic banking cards, and generates **\$10.2 million** in revenue to those businesses. Similarly, **220** Wisconsin businesses are supported by the UW System totaling **\$3.4 million** in revenue. Purchases made through electronic banking comprised another **\$2.7 million** in spending. Go [here](#) for information about vendors and purchases.
- Joint industry-university partnerships support Wisconsin business. Attracting more than \$3.3 million in grants from collaborators, UW-Stevens Point's Northern Aquaculture Demonstration Facility (NADF) works with fish farming businesses and aquaculturists to provide the safest and highest quality fish to consumers. NADF serves as a showcase and an outreach center for training in commercial aquaculture. Supplementary information for additional partnerships is available [here](#).
- The UW System Administration's Institute for Business & Entrepreneurship works with business across the state through five distinct program units. Follow this [link](#) for more about job growth from support to existing industries and new businesses.

- The [2018 UW System Economic Impact Study](#) shows that the economic activity of UW System campuses, students, visitors, affiliated organizations, and start-up companies create and/or support nearly **167,000** jobs annually. Jobs generated by UW System institutions throughout Wisconsin include direct faculty and staff employment, jobs generated by institutional operational expenditures, jobs created to support UW System employees professionally and personally, and jobs attributable to student and visitor spending. Additional detail informed by results of economic impact studies is provided [here](#).
- The University of Wisconsin System is a powerful economic engine, with a **\$24 billion** impact on Wisconsin's economy each year. This impact represents 7.7% of the total economic activity in the state and provides a 23-fold return on Wisconsin's investment in the university. More detail is available, [here](#).
- Technology parks and innovation centers foster new businesses and job growth. UW-Stout's Discovery Center and UW-La Crosse's Center for Entrepreneurship and Innovation are examples of how UW System institutions support entrepreneurship and bring academic expertise to industry challenges. For indications of economic impact, see [here](#).

Collaboration

- The UW System engages in a wide variety of partnerships, both formal and informal, with businesses, not-for-profit organizations, governmental agencies, and other partners. These partnerships combine UW and non-UW resources to support programs or initiatives that benefit Wisconsin communities, the Midwest region, and beyond. Additional aspects of partners and collaborative relationships in the UW System are provided at this [link](#).

Incentive Grants

- UW Incentive Grants provided \$22.5 million of UW System funds to support economic and workforce development projects, and projects that improve the affordability of education at UW institutions. More information is provided [here](#).

Performance

Graduation rates, total number of graduates, degrees awarded in stem and health fields, time to graduation, credits to degree, retention rates, placement of graduates, and the percentage of residents and nonresidents who reside in this state 10 years after graduation are reported using the UW System Accountability Dashboard. The dashboard is located [here](#).

Financial

Financial Reports from Each UW System Institution

The UW System financial reports are prepared annually according to standard accounting principles and posted [online](#).

Access and Affordability

Low-income students, underrepresented minority students, undergraduate new transfer students, published and net cost for resident students, and UW institutional aid for students with need are reported using the UW System Accountability Dashboard. The dashboard is located [here](#).

Family Income

Family income information is available for students who completed a Free Application for Federal Student Aid (FAFSA) and were offered financial aid. In fall 2020, 69% of undergraduates enrolled in UW System institutions fit this description. Family income is determined differently for dependent vs. independent students. The majority of undergraduates are dependents. The median family income for undergraduate students was \$79,760 in 2020-21. Incomes also vary by residency status. Non-resident and reciprocity students have higher family incomes among dependent undergraduates. Out-of-state and reciprocity independent undergraduates and graduate students have lower incomes.

UW System Median Family Income of Financial Aid Recipients by Residency Status and Dependency
Not Including UW-Madison

2020-21	Resident	Reciprocity	Non-Resident	All
Undergraduate				
Dependent	\$90,254	\$120,358	\$115,513	\$95,478
Independent	\$20,591	\$15,062	\$18,689	\$20,133
Total	\$74,421	\$113,242	\$98,562	\$79,760
Graduate				
Dependent	*	*	*	*
Independent	\$31,871	\$19,231	\$25,268	\$29,904
Total	\$32,225	\$19,231	\$25,286	\$30,045

*Median income for dependent graduate students is included in the graduate student total.

Improvements Made in Transfer of Credit

UW System replaced the Transfer Information System (TIS) Credit Transfer Wizards through a subscription for two transfer technology solutions, the Transfer Evaluation System (TES) is an administrative tool and the public-facing Transferology (TFO). The subscription includes all UWS institutions, the Wisconsin Technical College System districts (WTCS), the Lac Courte Oreilles Ojibwa Community College, and the College of Menomonee Nation. Transferology enables students to search for transfer equivalency matches from in-state and out-of-state institutions, as well as from military and standardized exam programs including Advanced Placement (AP) test, International Baccalaureate (IB) program, College Level Examination Program (CLEP), and the DANTES Subject Standardized Test (DSST).

The Universal Credit Transfer Agreement (UCTA) between the University of Wisconsin System and the Wisconsin Technical College System includes courses that are transferable to all UWs and WTCS districts as a general education or general degree requirement course. The UCTA went into effect July 1, 2014. Specific information about how each course in the UCTA will transfer to a receiving institution and satisfy general requirements is seen through Transferology.

The UCTA, Transferology and more transfer resources are available on the Transfer Wisconsin website. Transfer Wisconsin may be viewed [here](#).

High School Students

The UW System served more than 11,600 students in 2020-21 who were still in high school, through UW course offerings and through college credit programming at participating high schools. More information can be viewed [here](#).

Undergraduate Education

Access to required courses, improvements in student experience, participation in internships or cooperative work experiences, and closing the equity gap are reported using the UW System Accountability Dashboard. The dashboard is located [here](#).

Majors Offered

UW System institutions offer over 300 undergraduate majors. The UW System's Higher Education Location Program (UW HELP) maintains a breadth of information regarding UW System institutions. UW HELP's [Find a Program](#) is a tool for prospective students, parents, high school guidance counselors, and others, which provides information about the majors offered at UW System Institutions.

Access to Popular Majors

Enrollments of junior and senior undergraduates indicate that the most popular majors sought by students were in Business, followed by Education, and Health.

**UW System Undergraduate Enrollments
by Major Category, Fall 2021
Not Including UW-Madison**

Major Category	Junior & Senior	
	#	%
Business, Management, Marketing, and Related Support Services	10,343	20.9%
Education	5,445	11.0%
Health Professions and Related Programs	4,383	8.8%
Psychology	3,162	6.4%
Biological and Biomedical Sciences	2,835	5.7%
Visual and Performing Arts	2,828	5.7%
Engineering	2,741	5.5%
Computer and Information Sciences and Support Services	2,389	4.8%
Social Sciences	2,159	4.4%
Communication, Journalism, and Related Programs	1,797	3.6%
Parks, Recreation, Leisure, Fitness, and Kinesiology	1,167	2.4%
Natural Resources and Conservation	1,131	2.3%
Homeland Security, Law Enforcement, Firefighting and Related Protective Services	1,079	2.2%
Public Administration and Social Service Professions	988	2.0%
English Language and Literature/Letters	920	1.9%
Multi/Interdisciplinary Studies	920	1.9%
Agricultural/Animal/Plant/Veterinary Science and Related Fields	889	1.8%
Physical Sciences	729	1.5%
Mathematics and Statistics	655	1.3%
Engineering/Engineering-Related Technologies/Technicians	605	1.2%
Foreign Languages, Literatures, and Linguistics	564	1.1%
History	513	1.0%

Liberal Arts and Sciences, General Studies and Humanities	457	0.9%
Architecture and Related Services	279	0.6%
Family and Consumer Sciences/Human Sciences	155	0.3%
Philosophy and Religious Studies	128	0.3%
Area, Ethnic, Cultural, Gender, and Group Studies	99	0.2%
Communications Technologies/Technicians and Support Services	90	0.2%
Science Technologies/Technicians	50	0.1%
Legal Professions and Studies	43	0.1%

Categories are those used in the [USDE Classification of Instruction Programs](#).

Post-Graduation Success

Examinees from UW System institutions performed above the national average for nursing licensure and on the writing section of the Graduate Record Exam (GRE). Scores on the verbal and quantitative sections of the GRE, and all sections of the Medical College Admissions Test (MCAT) were below national averages. Due to changes to the exam, candidate performance on the CPA exam is not available.

**UW System Post-Baccalaureate Examinations
Not Including UW-Madison**

Post-Baccalaureate Examination	UW System	National
Professional Licensure Pass Rate		
Nursing	88%	87%
Graduate Record Exam (GRE) Scores		
Verbal (130-170)	150.2	151.4
Quantitative (130-170)	149.8	155.8
Writing (0-6)	3.9	3.6
Medical College Admissions Test (MCAT) Scores[#]		
BBLS (118-132)	125.0	125.7
CPBS (118-132)	124.4	125.4
PSBB (118-132)	125.5	126.3
CARS (118-132)	124.0	124.9
Total Score (472-528)	498.8	502.3

[#]Based upon data provided by the Association of American Medical Colleges ("AAMC"). The views expressed herein are those of the authors and do not necessarily reflect the position or policy of the AAMC. Sections of the MCAT are described [here](#).

Graduate and Professional Education

Graduate and Professional Degrees Awarded and in Key Areas

During the 2020-21 academic year, the UW System awarded 4,079 degrees at the Master's level, 171 degrees at the Doctorate-Research/Scholarship (Ph.D.) level, and 219 degrees at the Doctorate-Professional Practice level. Of these 4,469 degrees, 30% (1,356) were in key areas such as Business,

Nursing, Engineering, Physical Therapy, and Audiology.

**UW System Graduate and Professional Degrees Conferred
Not Including UW-Madison**

Degree Level	Area	2020-21
Master's	Business	949
	Engineering	151
	Nursing	31
	Other	2,948
	Total	4,079
Doctorate- Research/Scholarship	Business	5
	Engineering	29
	Nursing	12
	Other	125
	Total	171
Doctorate-Professional Practice	Audiology	5
	Nursing	107
	Physical Therapy	67
	Other	40
	Total	219

Graduate Participation in Internships or Cooperative Work Experiences

Graduate students commonly participate in internships and cooperative work experiences as a component of their UW graduate program. These may be in the form of direct or indirect observation of professionals in the workplace, or through working in a cooperative group to problem solve and present group projects.

Incentives Provided for Remaining in the State after Graduation

Currently, financial incentives such as student loan-forgiveness programs, tax credits, or home ownership assistance to students who remain in the state after graduation are not available to UW graduates. However, there are non-financial reasons for graduates to remain in Wisconsin such as graduate and advanced degree opportunities, and the overall quality of life.

UW System institutions are engaged in developing a stronger workforce, creating stronger businesses, and building stronger communities for our graduates to live, work, and play. Tens of thousands of UW graduates enter the workforce each year, ready to put their talent and entrepreneurial spirit to work as the business and community leaders of tomorrow.

Faculty

Faculty teaching loads and success or failure in recruiting and retaining scholars and teachers are reported using the UW System Accountability Dashboard. The dashboard is located [here](#).

The UW System institutions recruit nationally and internationally for quality faculty and staff. The competitive academic job market, along with a challenging economic environment, adds additional pressure to recruitment and retention efforts. The high cost of turnover is reflected in costs not solely related to recruitment expenses. Turnover also involves lost productivity and additional administrative costs. In addition, the loss of grant funding and the negative impacts on reputation and morale can be significant.

Economic Development

Revenue Brought into the State

Revenue brought into the state through federal, state, and private sources totaled \$900.2 million in fiscal year 2021. This extramural funding contributes to the development of new knowledge, improves the learning experience of students, and creates jobs. Extramural funding comes from outside the institution and includes funding for research as well as instruction and other activities. It may come from federal, state and local governments, business, private foundations, or individuals.

**UW System Extramural Funding by Source
Not Including UW-Madison**

Extramural Projects in Progress or Completed and Government Contracts

	FY19	FY20	FY21
	\$M	\$M	\$M
Federal	\$310.1	\$418.3	\$794.8
State (WI)	\$9.9	\$11.6	\$16.8
Private/Other	\$115.1	\$78.4	\$88.6
Total	\$435.2	\$508.3	\$900.2

Academic research and development at UW System institutions is a significant source of economic activity for Wisconsin. The number of new projects, projects in progress, and projects completed in fiscal year 2021 totaled 2,813. The increase, compared to the prior year, is largely related to emergency grants received in response to the COVID-19 epidemic.

**UW System Extramural Projects
Not Including UW-Madison**

	FY19		FY20		FY21	
	#	\$M	#	\$M	#	\$M
New	1,851	\$263.6	1,877	\$364.0	1,627	\$640.1
On-Going	362	\$103.3	492	\$104.7	611	\$184.1
Ended	325	\$68.2	330	\$39.5	575	\$76.0
Total	2,538	\$435.2	2,699	\$508.3	2,813	\$900.2

Includes extramural funding in the form of gifts, grants, and contracts.

Patents and Licenses for System Inventions

UW System institutions commercialize research discoveries in part through affiliated technology foundations. The Wisconsin Alumni Research Foundation (WARF) serves UW-Madison. The [UWM Research Foundation](#) serves UW-Milwaukee. The [WiSys Technology Foundation](#) serves the 11 UW comprehensive institutions.

- Through WiSys and the UWM Research Foundation, in fiscal year 2021, UW System institutions generated 35 U.S. patents and executed 14 new licenses for technologies. In addition, these institutions generated 95 disclosures of inventions or other intellectual property.

New Businesses Created or Spun Off

In addition to patents and licenses, WiSys and the UWM Research Foundation provide valuable support to faculty and staff seeking to commercialize a discovery by creating a new business.

- Since its inception in 2005-06, WiSys has facilitated 20 startup companies by UW faculty members from discoveries at UW comprehensive institutions.
- The UWM Research Foundation facilitated 24 startups from fiscal year 2010 (FY10) through FY21 based on UWM technology. An additional three startup companies make use of technology licensed from the UWM Research Foundation. UW-Milwaukee faculty members also created additional businesses that do not involve technology licensed through the foundation.

The UW System Administration’s Institute for Business & Entrepreneurship dedicates consultation time to pre-venture entrepreneurs. Specific training is conducted online, in person, and via phone to serve business clients throughout the state. This structure allows for efficient and accessible delivery of information. Direct work with pre-venture clients primarily occurs with Wisconsin’s Small Business Development Center Network (SBDC) and the Center for Technology Commercialization (CTC).

SBDC offices serve the entire state through 11 four-year campuses, the Southwest regional outreach area, and one office based at the Waukesha County Center for Growth. Additionally, the [Business AnswerLine](#) provides live consultants during business hours and 24/7 online service.

Secondary Businesses Affiliated with the UW System Supporting Sponsored Research

The UW System supports Wisconsin businesses through the products and services it purchases in connection with sponsored research. The number of vendors affiliated with the UW System totals 555, not including vendor purchases made through electronic banking cards, and generates \$10.2 million in revenue to those businesses. Similarly, 220 Wisconsin businesses are supported by the UW System totaling \$3.4 million in revenue. Purchases made through electronic banking account for another \$2.7 million in spending. Increases in vendor and purchase totals reflect an increase in grand programs related to the COVID-19 epidemic.

**UW System Vendors and Purchases
Not Including UW-Madison**

	Total		Wisconsin	
	Vendors	\$	Vendors	\$
2017	1,016	\$5.0M	580	\$1.3M
2018	751	\$6.0M	362	\$1.4M
2019	690	\$6.7M	490	\$1.4M
2020	468	\$3.5M	176	\$0.7M
2021	555	\$10.2M	220	\$3.4M

Does not include \$2.7 million in FY21 purchasing card transactions.

Support Provided to Existing Industries Throughout the State

Joint industry-university research partnerships are one way UW System institutions support Wisconsin businesses.

The UW System Administration's [Institute for Business & Entrepreneurship](#) helps entrepreneurs, businesses, and economic development professionals across the state achieve their goals by offering technical assistance and leveraging data. The division follows a collaborative model, working with local organizations, other institutions, and partnering across all program units to best serve clients.

The five program units within the division are:

- The [Wisconsin Small Business Development Center \(SBDC\) Network](#), which provides support for small business startup, growth, and management through local consulting and education in a nationally accredited network.
- The [Center for Technology Commercialization](#) provides funding and business assistance for technology entrepreneurs and researchers to bring innovative technologies to market.
- The [Food Finance Institute](#) is a collaborative network of food entrepreneurs, finance expertise, and investment resources focused on catalyzing profitability, scalability, and funding in Wisconsin's food sector.
- The [Center for Business Intelligence](#) is a collection of business, market, and competitor intelligence to help business owners and economic development organizations improve decision-making and detect business opportunities.
- The [Business Dynamics Research Consortium](#) builds and delivers economic and business activity data resources to stimulate research and inform local economic development strategy.

Job Growth from Support to Existing Industries and New Businesses

Wisconsin businesses supported through the UW System Administration's Institute for Business & Entrepreneurship programs have seen great success since 2016: 4,497 jobs were created and retained, 854 new businesses were started, and Wisconsin businesses obtained and invested \$474 million in funding with the Institute's assistance.

Jobs Created in Campus Areas and Statewide

The [2018 UW System Economic Impact Study](#) shows that the economic activity of UW System campuses, organizations, and activities create and/or support nearly 167,000 jobs annually. Jobs generated by the economic activity of the UW System come from the

direct effect of spending (92,055 jobs), indirect effect of the direct spending (28,696 jobs), and induced effect of indirect economic activity (46,115 jobs). These jobs represent about 1 in 20 of the total number of employed workers in Wisconsin.

Scientific research at UW campuses is a key ingredient to job growth. Academic research and development represents a \$1.1 billion dollar industry in Wisconsin, one that has created over 38,000 jobs across the state, according to the Wisconsin Technology Council. Technology parks and innovation centers foster new businesses and job growth.

Economic Indicators for Campus and Other Areas

The University of Wisconsin System is a powerful economic engine with a \$24 billion impact on Wisconsin's economy each year and providing a 23-fold return on Wisconsin's investment in the university, according to the [2018 UW System Economic Impact Study](#) conducted by NorthStar Analytics. The UW System's \$24 billion economic impact in 2016-17 represents 7.7% of the total economic activity in the state.

The overwhelming beneficiary of UW System's economic impact is the state's private sector, receiving 75% – or \$18 billion – of the economic benefit annually. Spending associated with campus operations, UW Hospitals and Clinics, startups, students and visitors, and affiliated organizations benefit a wide range of private sector businesses.

Additionally, the UW System Board of Regents Research, Economic Development, and Innovation (REDI) Committee reflects the UW's increasingly important role in this area and aligns with changes in UW System staffing. The Associate Vice President for Economic Development provides leadership for the economic development portfolio, with 50% of the position funded by the Wisconsin Economic Development Corporation (WEDC), reflecting a strong university-state partnership that addresses the needs of established industries, fledgling start-ups, and growing communities all over Wisconsin.

UW System institutions contribute to the Wisconsin economy by educating students to be valuable members of Wisconsin's workforce, by supporting business development through linking academic programs and research to entrepreneurship, and by engaging and building stronger communities. One

way the economic impact can be measured is by the overall spending generated in the Wisconsin economy.

The economic impact is measured as direct spending by faculty, staff, students, visitors, and university operations. It is also measured as the indirect or induced spending which results from direct spending cycling through the regional and state economy. An important part of the impact, however, is the measurable effect of the institutions' alumni who live and work in the service area. Finally, it is important to note the return on investment for the taxpayers who support the institution and the students who attend.

Economic Development Programs

The Incentive Grant Program (see last section) includes economic development programs that have been undertaken. One of three goals of the Incentive Grant Program is to advance activities of economic development programs as defined in s. 36.11 (29r) (a).

Collaboration

Partnerships and Collaborative Relationships with UW System Administration and UW System Institutions

The UW System engages in a wide variety of partnerships, both formal and informal, with businesses, not-for-profit organizations, governmental agencies, and other partners. Here are a few examples.

- In fiscal year 2021, UW institutions partnered with organizations on 17,690 student learning placements. Organizations benefit from the recent education and training of students, while students get on-the-job experience that counts toward their degree requirements or professional certification.
- In addition, 13,050 students helped organizations and community members through volunteer work or through service learning or community-based research as part of a UW course in fiscal year 2021.
- Through the Small Business Development Centers, UW institutions assisted 4,431 businesses during fiscal year 2021.

UW System Partnerships Not Including UW-Madison

Type of Partnership	Description	2021
Co-op or internship	Students with co-op or internship learning placements	7,295
Clinical, legal, or social work placements	Students in clinical, legal, or social work learning placements	6,362
Student teachers	Student teachers or practicum participants	4,033
Service learning, community-based research, or volunteering	Students engaging in service learning, community-based research or volunteering.	13,050
Business development	Businesses or organizations receiving development assistance through Small Business Development Centers in FY21	4,431

Regional development partnerships are one way UW System institutions work with other sectors to align educational opportunities with regional economic needs.

- The Northeast Wisconsin Educational Resource Alliance (NEW ERA), begun in 2000, includes UW-Green Bay, UW-Oshkosh, four area technical colleges, and the College of the Menominee Nation. NEW ERA collaborates with manufacturing and information technology partners to provide educational resources that prepare graduates for the regional workforce.
- The Higher Education Regional Alliance (HERA), launched in 2018, includes UW-Milwaukee, UW-Parkside, UW-Whitewater, three area technical colleges, and 12 private higher education institutions in seven counties of southeastern Wisconsin. HERA seeks to reduce skill and talent gaps in the regional workforce and to identify new educational programs to meet the needs of the community.

Academic degree program collaborations are formal arrangements among institutions to provide access to a degree program at multiple locations and to provide courses offered by different institutions. Staff members at partner institutions collaborate on the development, implementation, administration, and/or delivery of the program. Academic degree program collaborations allow faculty to share knowledge between institutions, conserve state resources by reducing duplication of degree programs, and provide students with wider access to programs.

UW System institutions have increasingly collaborated on offering academic degree programs. Since 1995-96, 16 collaborative degree programs have been implemented and all UW institutions participate in at least one collaborative degree program.

**UW System
Collaborative Degree Programs
Not Including UW-Madison***

Major Name	Major Level**	Institution***	Year Begun
Nursing-Collaborative	B	MSN, MIL, EAU, GBY, OSH, STP	1995-96
Business Administration - Collaborative	M	EAU, LAC, OSH, PKS	2005-06
Audiology-Collaborative	Y	MSN, STP	2005-06
Sustainable Management-Collaborative	B	GBY, OSH, PKS, RVF, STO, SUP	2009-10
Health & Wellness Management-Collaborative	B	LAC, RVF, STP, SUP	2011-12
Japanese Studies-Collaborative	B	OSH.WTW	2011-12
Health Information Mngt & Tech-Collaborative	B	GBY, LAC, PKS, STP	2012-13
Sustainable Management-Collaborative	M	GBY, OSH, PKS, RVF, STO, SUP	2012-13
Data Science-Collaborative	M	EAU, GBY, LAC, OSH, STP, SUP	2015-16
Health & Wellness Management-Collaborative	M	GBY, PKS, RVF, STP, SUP	2016-17
Applied Computing-Collaborative	B	MIL, OSH, PLT, RVF, STP	2017-18
Healthcare Administration -Collaborative	M	LAC, PKS, PLT, STO, STP	2018-19
Applied Biotechnology-Collaborative	M	GBY, MSN, OSH, PKS, PLT, STP, WTW	2019-20
Info Technology Management-Collaborative	M	LAC, OSH, PKS, STP, SUP	2019-20
Associate Arts & Science-Collaborative	A	EAU, MIL, OSH, PKS, RVF, STP, WTW	2020-21
Cybersecurity-Collaborative	M	GBY, LAC, OSH, PKS, PLT, RVF, STP, SUP	2020-21

*Academic degree program collaborations between UW-Madison and other UW 4-Year institutions are included.

**Major level: A-Associate, B-Bachelor's, M-Master's, Y-Clinical/Professional Practice Doctorate.

*** EAU=Eau Claire, GBY=Green Bay, LAC=La Crosse, MSN=Madison, MIL=Milwaukee, OSH=Oshkosh, PKS=Parkside, PLT=Platteville, RVF=River Falls, STO=Stout, STP=Stevens Point, SUP=Superior, WTW=Whitewater.

UW System institutions also collaborate on common information systems which promote efficiencies and

synergies. These include a Human Resource System (HRS), a Shared Financial System (SFS), a digital learning environment (Canvas), and common Student Information System (SIS) software. All UW System institutions provide course transfer information to Transferology, and admissions, student, financial aid, and curricular data to the Central Data Request (CDR) database. These central sources of information serve as a resource for a wide range of constituencies across the State. In addition, UW System collaborations include a single library automation system that provides support for systemwide access and delivery of library materials.

Incentive Grants

Program Goals, Results, and Budget

[UW Incentive Grants](#), for projects implemented during the 2013-15 biennium, provided \$22.5 million of UW System funds to support economic and workforce development projects, and projects that improve the affordability of education at UW institutions. Additionally, these awards could be used to advance economic development programs, as defined in s. 36.11 (29r) (a), that have been undertaken.

All UW institutions were invited to submit grant proposals for projects or programs that advanced one or more of the three eligible program activities. These activities include economic development programs, development of an educated and skilled workforce, and programs to improve affordability of post-secondary education.



WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

**LEGISLATED ACCOUNTABILITY
HIGHLIGHTS**

2022

University of Wisconsin–Madison

Accountability Report Highlights

36.65 (2) (a) Performance

Total Number of Graduates

In 2020–21, UW–Madison conferred 11,663 degrees, which included 7,671 bachelor’s degrees and 2,537 master’s degrees.

Retention Rate

Of fall 2020 new freshmen, 95.2% were retained for the second year and reenrolled in fall 2021.

Graduation Rate

Of fall 2015 new freshmen, 89.2% graduated from UW–Madison within six years. For this same cohort, in total, 97% had graduated from or were still enrolled at an institution in the United States as of fall 2021.

Time-to-Degree, Credits-to-Degree

The average undergraduate time-to-degree is 3.89 calendar years. For 2020–21 bachelor’s graduates, the average number of credits-to-degree earned at UW–Madison was 115. Both of these indicators have improved over the past decade.

Degrees Awarded in High-Need and Leading-Edge Fields

In 2020–21, UW–Madison awarded 4,880 STEM degrees and 1,091 degrees in health fields at all levels, accounting for 51.2% of all degrees.

Placement of Graduates

Among recent graduates, 68% planned to work and 31% planned to attend graduate or professional school or continue their education after graduation. Of those intending to work upon graduating, 64% had accepted a position.

Alumni Who Reside in Wisconsin 10 Years after Graduation

Among bachelor’s degree recipients who graduated in 2010–11 and were Wisconsin residents as students, 67% resided in Wisconsin in 2021.

36.65 (2) (b) Financial Reports

UW–Madison Financial Report

See <http://www.wisconsin.edu/financial-administration/forms-and-publications/annual-financial-reports/>.

36.65 (2) (c) Access and Affordability

Family Income

The median family income for dependent undergraduate students who filed the 2021 FAFSA was \$125,000.

Low-Income Student Enrollment, by Tuition Residency

In fall 2021, 14.8% of all undergraduates and 20.1% of undergraduate Wisconsin residents received a Pell Grant.

Percent Minority Student Enrollment, by Tuition Residency

In fall 2021, 12.9% of all undergraduates and 14.6% of undergraduate Wisconsin residents were underrepresented students of color.

Transfer Students from within Wisconsin

In 2020–21, UW–Madison enrolled 1,557 new transfer students (15% of all new undergraduates). Of new transfer students, 62% were Wisconsin residents.

Credit Earned by High School Pupils

In fall 2021, 107 high school pupils were enrolled in coursework at UW–Madison, and 80% of new freshmen brought in transfer credits totaling 136,694 credits.

Cost of Attendance and Cost Accounting for Financial Aid, for Wisconsin Residents

In fall 2021, the published academic year in-state tuition and required fees were \$10,720. The total cost of attendance (tuition, room and board, other expenses) was \$27,418. Average net price for

students with adjusted gross incomes of \$48,001 to \$75,000 was \$9,844.

Institutional Financial Aid for Students with Financial Need

For 2020–21, UW–Madison provided \$64.7 million in need-based grants to undergraduates.

36.65 (2) (d) Undergraduate Education Access to Required Courses

- 83% of first-year students and 91% of seniors reported that courses for their majors were available always or most of the time.
- 83% of first-year students and 86% of seniors reported that general-education courses were available always or most of the time.

Majors Offered

UW–Madison offers 129 undergraduate majors. For a full listing of majors, see UW–Madison’s Guide (guide.wisc.edu/explore-majors/).

Access to Popular Majors

Approximately half of UW–Madison’s 129 undergraduate majors are available to all students who are interested; the others have a range of admission requirements. The five largest majors by degrees conferred are: computer sciences, economics, psychology, political science, and biology.

Improvements in Overall Student Experience

Compared to students at peer universities, UW–Madison seniors reported higher levels of satisfaction with their overall experience. 88% of UW–Madison students would attend their university again, compared to 85% of students at peer universities, and 89% of UW–Madison students rated the entire experience at their university as good or excellent, compared to 85% of students at peer universities. Among 2020–21 bachelor’s degree recipients, 92% participated in at least one high-impact activity (activities positively associated with student learning and retention) and 79% participated in two or more, an increase over 2011–12 rates (89% and 69%, respectively).

Efforts to Close the Achievement Gap

- The second-year retention rate for underrepresented students of color is 93.8%, which is 1.4 percentage points below the rate for

all students (95.2%). Ten years ago, the retention rate for underrepresented students of color was 1.5 percentage points lower than the rate for all students.

- The six-year graduation rate for underrepresented students of color is 83.2%, 6.0 percentage points below the rate for all students (89.2%). Ten years ago, the graduation rate for underrepresented students of color was 16.5 percentage points lower than the rate for all students.

Post-Graduation Success

- The median bachelor’s graduate from 2007 to 2009 earned \$79,684 in 2019 dollars 10 years after graduation.
- Low student-loan default rates signal that students find employment and are fiscally responsible; the most recent three-year default rate for the Federal Stafford Loan program is 0.9%, compared to 7.3% nationally.

36.65 (2) (e) Graduate and Professional Education

Number of Graduate and Professional Degrees

In 2020–21, UW–Madison conferred 2,537 master’s degrees, 760 professional/clinical doctorate degrees, and 702 research doctorate degrees, ranking ninth nationally and fourth in the Big Ten Academic Alliance in total number of research doctorates conferred.

36.65 (2) (f) Faculty

Faculty Teaching Loads

In fall 2021, on average, UW–Madison faculty members taught 2.3 group-instruction courses. In addition, they taught an average of 4.9 students in one-on-one directed study or research settings. Converted to student credit hours (the sum of all the credits earned by students under that faculty member’s instruction), each faculty member taught an average of 182 student credit hours. At UW–Madison, faculty responsibilities encompass more than teaching; all faculty members are also expected to devote time to research and to outreach.

Recruiting and Retaining Faculty

In 2020–21, UW–Madison offered faculty positions to 112 candidates, with 63 accepted offers. On average over the past 10 years, 64% of offers to faculty candidates were accepted. Also in 2020–21, 34 faculty members (1.5% of all faculty) were

actively recruited by an outside organization; 26 were retained by UW–Madison and seven left UW–Madison. The remaining case was unresolved at the conclusion of the reporting period. In 2020–21, full professor salaries were 4.3% above the median for faculty at peer universities.

36.65 (2) (g) Economic Development Research Funds and Other New Revenue Brought into Wisconsin

Extramural awards are a combination of research funds and funds for other activities (instructional activities, student aid, etc.) that bring new revenue into the state. In FY 2021, UW–Madison brought in a total of \$1.65 billion in extramural awards. Also in FY 2021, UW–Madison started 958 new federally funded projects worth \$490 million, continued 3,606 projects worth \$3.11 billion, and completed 783 projects worth \$533 million.

Patents and Licensing of Inventions

In 2020, 121 patent applications were filed and 166 patents were issued. Sixty-nine new licenses or options were executed on existing patents in 2020. In total, all licensed patents based on research at UW–Madison generated \$15.3 million in 2020.

Business Development and Interaction: Job Creation, New Businesses Created or Spun Off

A 2021 report estimates that more than 400 Wisconsin startup companies were formed based on UW–Madison intellectual property or the work of UW–Madison faculty, staff, or students.

Secondary Businesses Affiliated with UW–Madison or UW–Madison Sponsored Research

Based on sponsored research funds, total FY 2021 purchase-order payments were approximately

\$184.9 million globally, with \$30.0 million going to Wisconsin-based vendors (limited to accounts that represent federal funding and gifts and grants to research projects).

Support Provided to Existing Industries

In FY 2021, UW–Madison’s Office of Business Engagement created more than 300 business connections to campus.

Jobs Created in the Campus Areas and Statewide

According to a 2021 report, a total of 232,058 jobs were impacted by university operations and associated activities. Of this total, 42,855 jobs were impacted by startups that formed based on UW–Madison intellectual property or the work of UW–Madison faculty, staff, or students.

Economic Indicators

Overall economic impact indicators illustrate UW–Madison’s economic influence. A 2021 economic impact study showed that UW–Madison has a \$30.8 billion total effect on Wisconsin’s economy. This includes impacts directly from UW–Madison, startups that were formed based on UW–Madison’s intellectual property or the work of UW–Madison faculty, staff, or students, and organizations affiliated with UW–Madison.

36.65 (2) (h) Collaboration

Partnerships and Collaborative Relationships

UW–Madison participates in collaborative degree programs in multiple disciplines. These collaborations involve eight UW System institutions.