

**CENTRAL MICHIGAN UNIVERSITY**

**BOARD OF TRUSTEES**

**December 8, 2022**

**Central Michigan University Board of Trustees**  
**Mt. Pleasant, Michigan**  
**December 8, 2022**

Chair Richard K. Studley called the meeting of the Board of Trustees to order at 11:30 a.m. in the President's Conference Room located in the Bovee University Center.

Members present: Mr. Todd J. Anson; Ms. Regine C. Beauboeuf; Ms. Sharon L. Heath; Mr. Isaiah M. Oliver; Mr. Edward J. Plawecki; Mr. Michael A. Sandler, vice chair; Mr. Richard K. Studley, chair; and Mr. Robert F. Wardrop II, vice chair.

Also attending in person: Ms. Jennifer Cotter, interim vice president for advancement; Mr. John Danner, general counsel; Dr. Robert O. Davies, president; Ms. Mary Jane Flanagan, chief of staff to the president and secretary to the Board of Trustees; Ms. Mary Hill, vice president for finance and administrative services and treasurer of the Board; Dr. Nancy Mathews, provost/executive vice president; and Ms. Renee Watson, vice president for student affairs.

**PUBLIC COMMENT RELATED TO AGENDA ITEMS:** None

**REPORT OF THE UNIVERSITY PRESIDENT**

**EMERITUS RANK: CONSENT AGENDA**

Resolutions granting emeritus rank appear for approval as part of the consent agenda.

Persons being granted emeritus rank are listed here with appreciation for their years of service to Central Michigan University.

Richard K. Studley, Trustee Emeritus  
Robert F. Wardrop II, Trustee Emeritus  
Ann Alvesteffer, Director/Faculty Employment and Compensation  
Renee Babcock, Professor, Psychology  
Lenora Calkins, Research Officer, Sponsored Programs  
Nancy Eddy, Professor, Theater and Dance  
Kay Rice, Assistant Registrar, Registrar's Office  
James Student, Director/Elemental and Isotopic Analysis Labs  
Julie Wilson, Associate Director/Client Services

**Richard K. Studley, Chair, Board of Trustees**  
**January 1, 2015 – December 31, 2022**

WHEREAS, Richard K. Studley has conscientiously served as a member of the Central Michigan University Board of Trustees since January 2015; and

WHEREAS, He has provided excellent leadership and wise counsel while serving as Board chair in 2021 and 2022, and as vice chair in 2019 and 2020; and

WHEREAS, Since his appointment to the Board in 2015, he shared his perspectives as a leading member of every standing board committee, especially the academic and student affairs committee, on which he served for seven years including as chair for three years, and on the finance and facilities and audit committees, on which he served for six years plus as ex officio while Board chair; and

WHEREAS, He also represented the Board of Trustees on important, strategic university endeavors including the Advancing Excellence Strategic Planning Team in 2016-2017, the CMU Research Corporation Board of Directors, and the 2018 Presidential Search Committee; and

WHEREAS, his statewide presence has helped inform multiple university discussions; and

WHEREAS, His loyalty to his alma mater, business knowledge and experience, and desire to “be bold” has laid a strategic foundation for board governance going forward; Now be it therefore

RESOLVED, That the Board of Trustees expresses appreciation and gratitude to Richard K. Studley for his contributions to Central Michigan University and extends trustee emeritus rank effective January 1, 2023.

**Robert F. Wardrop II, Trustee, Board of Trustees  
March 24, 2010 – December 31, 2022**

WHEREAS, Robert F. Wardrop II has served as a dedicated member of the Central Michigan University Board of Trustees since March 2010, having been appointed in 2010 and reappointed in January 2015 by two different Michigan governors; and

WHEREAS, He has provided excellent leadership and wise counsel while serving as Board vice chair for six years from 2017 through 2022; and

WHEREAS, Since his appointment to the Board in 2010, he shared his perspectives as a leading member of every board committee, including serving as chair of the audit, enterprise risk, policy and bylaws, trustees-faculty liaison, and trustees-student liaison committees; and

WHEREAS, He also represented the Board of Trustees on important university endeavors including the CMU Advancement Board, CMU Research Corporation Board of Directors, and the 2018 Presidential Search Committee; and

WHEREAS, As one of a long line of Wardrop alumni to graduate from the university, and with strong ties to the academic endeavor at CMU, he has shown great commitment to recognizing the accomplishments of faculty and students; and

WHEREAS, He has been a role model for others through his generous financial and other support of the university and its students, faculty, and athletics programs; and

WHEREAS, His deep and unwavering loyalty to his alma mater has resulted in exemplary service as a trustee and earned him the respect of his colleagues and the administration; Now be it therefore

RESOLVED, That the Board of Trustees expresses appreciation and gratitude to Robert F. Wardrop II for his outstanding contributions to Central Michigan University and extends trustee emeritus rank effective January 1, 2023.

**Ann Alvesteffer, Director/Faculty Employment and Compensation, Faculty Personnel Services  
January 14, 1991 – September 30, 2022**

WHEREAS, Ann Alvesteffer was employed at Central Michigan University for more than thirty-one years, and during that time, she faithfully executed her responsibilities in a manner consistent with the finest traditions of stewardship to the institution, expertise at her profession, and devotion to CMU’s legacy; and

WHEREAS, She regularly exceeded the highest expectations for service, leadership, and an enthusiastic and personal devotion to making CMU better for its faculty employees, their supervisors, and our students; and

WHEREAS, Her career called upon her to innovate both technologically where she served on the implementation team for SAP revolutionizing HRIS at CMU and modernized and automated many processes within Faculty Personnel Services and organizationally; and

WHEREAS, An essential leader in the Human Resources community at CMU, she regularly contributed to the growth and development of generations of HR professionals rotating through Faculty Personnel Services; and

WHEREAS, She set the example for the entire HR community supporting all employment at CMU through her professionalism, service, and faithful support of solutions that were often best for employee and employer at the same time; and

WHEREAS, She was a devoted champion of diversity and the call to make CMU consistently better by always striving for equity, representation, fairness, compassion, and leadership; and

WHEREAS, Her commitment to the core values of CMU contributed significantly to the Leadership Standards' Initiative whose goal is to preserve the values that set Central Michigan University apart as a culture celebrating the best human virtues as a workplace, a place students call home, and as a community of scholars; and

WHEREAS, Her calm leadership, thoughtful and well-informed guidance, her devotion to her craft and her commitment to always be prepared and follow through often made the difference for CMU employees who were working through a challenging situation. She regularly made the virtues of devotion and decency look easy, and her commitment to the very best attributes of our university and of a CMU citizen look natural; Now be it therefore

RESOLVED, That the Board of Trustees expresses appreciation and gratitude to Ann L. Alvesteffer for her contributions to Central Michigan University and extends emerita rank.

**Renee Babcock, Professor, Psychology  
August 16, 1997 – December 31, 2022**

WHEREAS, Renee Babcock joined CMU and the Department of Psychology in 1997 and rose to the rank of associate professor in 1999 and full professor in 2008; and

WHEREAS, She successfully taught many courses at both the undergraduate and graduate level, particularly large lecture undergraduate classes in lifespan developmental psychology; and

WHEREAS, She became a nationally and internationally renowned researcher on aging and cognition in psychology; and

WHEREAS, She mentored many graduate and undergraduate students on master's theses, doctoral dissertations, honors theses, and lab projects; and

WHEREAS, She was internationally active by collaborating on research projects, sponsoring a short study abroad trip to Kenya as well as conducting a project to send 80 boxes of textbooks to Africa; Now be it therefore

RESOLVED, That the Board of Trustees expresses appreciation and gratitude to Renee L. Babcock for her contributions to Central Michigan University and extends professor emerita rank.

**Lenora Calkins, Research Officer, Sponsored Programs  
December 14, 1998 – October 31, 2022**

WHEREAS, Lenora Calkins served from 1998 to 1999 as a Specialist Clerk in the Charter Schools Resource Center and was promoted to Senior Specialist Clerk and Electronic File Coordinator in Charter Schools over the following six years. In 2005, she became an Accountant in Accounting Services and was then hired into the Office of Sponsored Programs from 2009-2022 as a Research Officer; and

WHEREAS, She has helped meet the external funding needs of faculty and staff throughout the university; and

WHEREAS, She has distinguished herself through her service to faculty and staff, as well as the university's many partners and collaborators; and

WHEREAS, She has contributed actively to the operations of the Office of Research and Graduate Studies by providing leadership toward the development of the SAP Grant Modules, Cayuse grant submission software, and other key procedures, while serving as a strong advocate for employee health and wellness; Now be it therefore

RESOLVED, That the Board of Trustees expresses appreciation and gratitude to Lenora D. Calkins for her contributions to Central Michigan University and extends emerita rank.

**Nancy Eddy, Professor, Theatre and Dance  
August 16, 2005 – August 15, 2022**

WHEREAS, After completing her Bachelor of Fine Arts at Ohio University and her Master of Fine Arts at Purdue University, Nancy Eddy began her career as an educator in the theatrical arts in 1987 and has thereafter consistently developed her craft and service to students; and

WHEREAS, After continued growth within her discipline spanning three decades, she joined Central Michigan University as an Assistant Professor in 2005 in the Speech, Communication, and Dramatic Arts department with an emphasis on theatrical education and direction; and

WHEREAS, She has consistently and creatively sought innovative ways to put students in touch with their craft, be it performing, stage management, direction, or casting; and

WHEREAS, Through her thoughtful devotion to CMU learners whose efforts are to present compelling dramas, delightful comedies, or inspiring musical performances, she has distinguished herself through her dedication to the faculty, staff, and students, as well as to the ancient traditions of the theater giving voice to essential truths about the human condition; and

WHEREAS, She continued her professional growth at Central Michigan University, achieving promotion to Associate Professor in 2011, tenure in 2011, and celebrating her promotion to full Professor in 2017; and

WHEREAS, She has contributed actively to the growth and development of legions of CMU students who are called to the arts and has also provided comfort, delight, inspiration, and entertainment to audiences who were moved by the many performances produced by her and her students; Now be it therefore

RESOLVED, That the Board of Trustees expresses appreciation and gratitude to Nancy A. Eddy for her contributions to Central Michigan University and extends professor emerita rank.

**Kay Rice, Assistant Registrar, Registrar's Office  
August 24, 1981 – December 31, 2022**

WHEREAS, Kay Rice has devoted more than forty-one years of dedicated service to Central Michigan University, over twenty of those years in the Registrar's Office; and

WHEREAS, She has maintained the academic integrity of the student record and has provided exemplary service to faculty, students, staff, and alumni; and

WHEREAS, She managed thousands of grade submissions, transcript requests, and enrollment verifications while upholding institutional and federal deadlines and policies; and

WHEREAS, Her leadership role as an Assistant Registrar has led her team through many successful transitions and changes. She was an essential collaborator in the implementation of multiple student information systems; Now be it therefore

RESOLVED, That the Board of Trustees expresses appreciation and gratitude to Kay A. Rice for her contributions to Central Michigan University and extends emerita rank effective January 1, 2023.

**James Student, Director/Elemental and Isotopic Analysis Labs, College of Science and Engineering  
August 16, 2003 – September 30, 2022**

WHEREAS, James Student has served as the Director of the Center for Elemental and Isotopic Analysis since 2011, and before that taught as a fixed-term faculty member in the Department of Geology since 2003; and

WHEREAS, He has been an invaluable member of the research enterprise of the Department of Earth and Atmospheric Sciences and the College of Science and Engineering; and

WHEREAS, His contributions have shaped our understanding of geologic processes and Great Lakes fisheries through his guidance in trace element research; and

WHEREAS, His passion for the geological sciences has remained steadfast, as evidenced by his publication record and continued mentoring of students; Now be it therefore

RESOLVED, That the Board of Trustees expresses appreciation and gratitude to James J. Student for his contributions to Central Michigan University and extends emeritus rank.

**Julie Wilson, Associate Director/Client Services, Scholarships and Financial Aid  
May 1, 1995 – December 31, 2022**

WHEREAS, Julie Wilson has served Central Michigan University for more than twenty-seven years; and

WHEREAS, She has distinguished herself through her service to the Office of Scholarships and Financial Aid by providing financial aid guidance to thousands of students and parents over the years; and

WHEREAS, She has earned the admiration and respect from students and colleagues for her knowledge, compassion, and dedication to the CMU community; Now be it therefore

RESOLVED, That the Board of Trustees expresses appreciation and gratitude to Julie L. Wilson for her contributions to Central Michigan University and extends emerita rank effective January 1, 2023.

**PRESENTATION TO THE BOARD:** CMU Ethics Hotline

Beth Timmerman, Director of Internal Audit

**ACADEMIC AND STUDENT AFFAIRS COMMITTEE**

**COLLEGE OF THE ARTS AND MEDIA ORGANIZATION CHANGES**

It was moved by Trustee Anson, seconded by Trustee Plawecki and carried that the following resolution be adopted as submitted.

BE IT RESOLVED, that the changes specified below will be made to departments in the College of the Arts and Media at Central Michigan University. These changes will be effective July 1, 2023 and will be fully implemented during the 2023-2024 academic year.

1. The School of Communication, Journalism, and Media will be created by a merger of the Departments of Communication and Journalism, and the School of Broadcast and Cinematic Arts.
  - Each of the former departments/schools (3) will constitute an area within the School with an area coordinator representing each, chosen to report to the Director;
  - Public Relations, Advertising, and Integrative Public Relations degrees will be organized into a new area within the new School with an area coordinator (1);
  - Internships will be coordinated by an area coordinator who will serve all degrees in the new School (1); and
  - A Director position to administer the new School will be created and chosen from current faculty.
  
2. All degree programs, faculty, and staff are to be retained through the merger.

**PROSPECTIVE GRADUATES SUMMER 2022: CONSENT AGENDA**

BE IT RESOLVED, That the list of prospective graduates for Fall (October and December) 2022, as certified by the registrar and accepted by the academic senate, is approved.

**PROSPECTIVE FALL 2022 GRADUATES BY DEGREE  
OCTOBER AND DECEMBER GRADUATES**

**BACCALAUREATE DEGREES**

Bachelor of Applied Arts	129
Bachelor of Arts	10
Bachelor of Fine Arts	3
Bachelor of Music	3
Bachelor of Music Education	19
Bachelor of Science	333
Bachelor of Science in Athletic Training	11
Bachelor of Science in Business Administration	112
Bachelor of Science in Education	71
Bachelor of Science in Engineering Technology	5
Bachelor of Science in Mechanical Engineering	1
Bachelor of Science in Nursing	5
Bachelor of Social Work	6

**TOTAL BACCALAUREATE DEGREES      708**

**MASTER'S DEGREES**

Master of Arts	88
Master of Business Administration	85
Master of Entrepreneurial Ventures	4
Master of Health Administration	14
Master of Public Administration	13
Master of Public Health	7
Master of Science	77
Master of Science in Administration	88

**TOTAL MASTER'S DEGREES      376**

**DOCTORAL DEGREES**

Doctor of Education	3
Doctor of Educational Technology	10
Doctor of Health Administration	7
Doctor of Medicine	1
Doctor of Philosophy	14

**TOTAL DOCTORAL DEGREES      35**

**SPECIALIST DEGREES**

Specialist in Education	1
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**TOTAL SPECIALIST DEGREES      1**

**GRADUATE CERTIFICATES**

Certificates	<b>15</b>
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**TOTAL GRADUATE CERTIFICATES      15**

**UNDERGRADUATE CERTIFICATES**

Certificates	<b>27</b>
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**TOTAL UNDERGRADUATE CERTIFICATES      27**

**TOTAL PROSPECTIVE DEGREE AND CERTIFICATE RECIPIENTS      1162**



**FACULTY PERSONNEL: CONSENT AGENDA**

BE IT RESOLVED, That faculty sabbatical leaves are approved as submitted.

<b><u>Sabbatical Leave:</u></b>	<b><u>Leave</u></b>	<b><u>Pay</u></b>
Mensah Adinkrah School of Politics, Society, Justice, and Public Service	Spring 2024	Full
Concha Allen Marketing & Hospitality Services Administration	Fall 2023	Full
Su An Fashion, Interior Design and Merchandising	Spring 2024	Full
Ellen Armbruster Counseling, Educational Leadership & Higher Education	Fall 2023	Full
Steven Bailey English Language Institute	Fall 2023	Full
Nicole Barco English Language Institute	Spring 2024	Full
Jay Batzner School of Music	Spring 2024	Full
Emily Bloesch Psychology	Fall 2023	Full
Vigdis Boasson Finance & Law	Fall 2023	Full
Eric Buschlen Counseling, Educational Leadership & Higher Education	Fall 2023	Full
Keith Clifton School of Music	Fall 2023	Full
Nailya DeLellis School of Health Sciences	Fall 2023	Full
Jennifer Demas History and World Languages & Cultures	Spring 2024	Full
Kathryn Dirkin Teacher and Special Education	Fall 2023	Full
Daniel Drevon Psychology	Fall 2023	Full

Leila Ennaili History and World Languages & Cultures	Spring 2024	Full
Adam Epstein Finance & Law	Fall 2023	Full
Amy Ford English Language Institute	Spring 2024	Full
Marco Fornari Psychology	Fall 2023	Full
Jamie Haines Physical Therapy	Spring 2024	Full
Ahmad Hakemi Physicians Assistant Program	Fall 2023	Full
JoDell Heroux Teacher and Special Education	Spring 2024	Full
Holly Hoffman Human Development & Family Studies	Spring 2024	Full
Zhenyu Huang Business Information Systems	Spring 2024	Full
David Jesuit School of Politics, Society, Justice, and Public Service	Fall 2023	Full
Daria Kluver Earth and Atmospheric Sciences	Spring 2024	Full
Dale LeCaptain Chemistry and Biochemistry	Spring 2024	Full
Stephan Leeper Art and Design	Spring 2024	Full
Eric Limarenko School of Broadcast and Cinematic Arts	Spring 2024	Full
Meera Mainkar Mathematics	Spring 2024	Full
Jay Martin History and World Languages & Cultures	Fall 2023	Full
Krystyna Nowak-Fabrykowski Teacher and Special Education	Fall 2023	Full

Michael Papa Communication	Spring 2024	Full
Christine Phelps-Gregory Mathematics	Spring 2024	Full
Heather Polinsky School of Broadcast and Cinematic Arts	Fall 2023	Full
Emma Powel School of Politics, Society, Justice, and Public Service	Fall 2023	Full
Leela Rakesh Mathematics	Fall 2023	Half
Alejandra Rengifo History and World Languages & Cultures	Spring 2024	Full
Matthew Roberson English Language Institute	Fall 2023	Full
Lissa Schwander School of Politics, Society, Justice, and Public Service	Spring 2024	Full
Jason Taylor Economics	Spring 2024	Full
Cedric Taylor School of Politics, Society, Justice, and Public Service	Spring 2024	Full
Ahmet Ugur Computer Science	Fall 2023	Full
Andrew Wehrman History and World Languages & Cultures	Fall 2023	Full
Joanna White School of Music	Spring 2024	Full
Dmity Zakharov Mathematics	Fall 2023	Full
Natalia Zakharova Earth and Atmospheric Sciences	Fall 2023	Full
Yunfang Zheng Communication Sciences and Disorders	Fall 2023	Full

**OFFICE OF RESEARCH AND GRADUATE STUDIES QUARTERLY REPORT: CONSENT AGENDA**

BE IT RESOLVED, That the Office of Research and Graduate Studies report of awards received during the quarter ended September 30, 2022 in the amount of \$10,071,851 is accepted.



**Awards for Research & Sponsored Programs**  
July 1, 2022 through September 30, 2022

Presented to the Board of Trustees December 7, 2022

**Quarterly Award Summary**

	CMU				CMURC Fiscal Year Total	CMEP Fiscal Year Total	CMU/CMURC/CMEP Combined Fiscal Year Total
	1st Quarter Awards Greater than \$200,000	1st Quarter Awards Less than \$200,000	1st Quarter Total	Fiscal Year Total			
Funded Projects	13	36	49	49	0	0	49
COVID 19 Projects	0	0	0	0	0	0	0
Direct Costs	\$7,416,123	\$1,021,668	\$8,437,791	\$8,437,791	\$0	\$0	\$8,437,791
Indirect Costs	\$1,361,007	\$273,053	\$1,634,060	\$1,634,060	\$0	\$0	\$1,634,060
Total Amount of Awards	\$8,777,130	\$1,294,721	\$10,071,851	\$10,071,851	\$0	\$0	\$10,071,851
Total COVID 19 Awards	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Quarterly Award Summary by Type (\*Note CMU Only – CMURC/CMEP not included)**

Award Type		Sponsor Type	
	Amount		Total
Research Awards	\$8,654,323	Federal	\$7,948,265
Non-Research	\$1,417,528	Other	\$383,382
		Industry	\$863,356
		Foundation/Non-Profit	\$136,356
		State	\$740,492
Total	\$10,071,851	Total	\$10,071,851

**HISTORICAL FISCAL YEAR DATA: CMU AND CMURC COMBINED**

	FY 2016-2017	FY 2017-2018	FY 2018-2019	FY 2019-2020	FY 2020-2021	FY 2021-2022
Funded Projects	160	168	164	174	166	198
COVID 19 Funded Projects	0	0	0	5	6	0
Total Amount of Awards	\$13,577,786	\$16,951,874	\$18,148,036	\$14,207,711	\$16,877,274	\$26,410,955
Total COVID 19 Awards	\$0	\$0	\$0	\$14,698,048	\$63,182,403	\$0

**College Activity**  
**July 1, 2022 to September 30, 2022**

College	#	Department	Total Amount
<b>Education and Human Services</b>			
	2	Human Development & Family Studies	\$14,670.00
	1	Recreation Parks & Leisure Services	\$16,517.00
<b>CEHS Total</b>	<b>3</b>		<b>\$31,187.00</b>
<b>Health Professions</b>			
	2	Communication Sciences & Disorders	\$4,120.00
	2	Dean's Office	\$738.00
	1	Physical Therapy Program	\$15,000.00
<b>CHP Total</b>	<b>5</b>		<b>\$19,858.00</b>
<b>Liberal Arts &amp; Social Sciences</b>			
	3	Psychology	\$309,709.00
<b>CLASS Total</b>	<b>3</b>		<b>\$309,709.00</b>
<b>College of Medicine</b>			
	14	Medicine	\$3,771,057.38
<b>CMED Total</b>	<b>14</b>		<b>\$3,771,057.38</b>
<b>Science and Engineering</b>			
	5	Biology	\$2,761,899.00
	2	Chemistry & Biochemistry	\$445,777.00
	5	Earth and Atmospheric Sciences	\$876,989.00
	1	Geography & Environmental Studies	\$39,559.00
	3	Physics	\$1,432,337.00
	1	Statistics	\$23,169.00
<b>CS&amp;E Total</b>	<b>17</b>		<b>\$5,579,730.00</b>
<b>Other</b>			
	2	Clarke Historical Library	\$9,100.00
	1	Innovation & Online	\$8,000.00
	1	Libraries - Dean's Office	\$14,835.00
	1	Native American Programs	\$5,000.00
	1	Research & Graduate Studies	\$46,000.00
	1	Student Success	\$277,375.00
<b>Other Total</b>	<b>7</b>		<b>\$360,310.00</b>
<b>OVERALL TOTAL AWARDS</b>	<b>49</b>	<b>TOTAL AWARDED FUNDING</b>	<b>\$10,071,851.38</b>

**Awards for Research & Sponsored Programs  
July 1, 2022 to September 30, 2022  
Awards of \$200,000 or more**

**Grant F64485**

College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	Ute Hochgeschwender
Co-Principal Investigator	
Project Title	Selective Control of Synaptically-Connected Circuit Elements
Organization Name	National Institutes of Health/USDHHS
Award Type	GRANT
Project Start Date	4/15/2021
Project End Date	3/31/2024
Direct Costs Amount	1,866,331.00
F&A Costs Amount	229,271.00
Total Amount	2,095,602.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	2,095,602.00

**Grant P65323**

College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	Jocelyn Ang
Co-Principal Investigator	
Project Title	WA43811
Organization Name	Genentech, Inc.
Award Type	CONTRACT
Project Start Date	7/14/2022
Project End Date	12/31/2023
Direct Costs Amount	205,158.00
F&A Costs Amount	69,754.00
Total Amount	274,912.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	274,912.00

**Grant P65324**

College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	Raya Safa
Co-Principal Investigator	
Project Title	Selexipag
Organization Name	Janssen Research & Development, LLC
Award Type	CONTRACT
Project Start Date	9/13/2022
Project End Date	6/15/2028
Direct Costs Amount	241,242.00
F&A Costs Amount	82,022.00
Total Amount	323,264.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	323,264.00

**Grant S65334**

College/Division College of Medicine, Science & Engineering  
Department/Org Unit College of Medicine, Engineering & Technology, Biology  
Principal Investigator Michael Conway  
Co-Principal Investigator Maggie Williams, Rebecca Uzarski, Elizabeth Alm  
Project Title Detection of SARS-CoV-2 in Sewage Samples Year 3  
Organization Name Michigan Department of Health and Human Services/USDHHS  
Award Type SUBCONTRACT  
Project Start Date 10/1/2022  
Project End Date 9/30/2023  
Direct Costs Amount 530,615.00  
F&A Costs Amount 106,123.00  
Total Amount 636,738.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 636,738.00

**Grant F65316**

College/Division Liberal Arts & Social Sciences  
Department/Org Unit Psychology  
Principal Investigator Beth Kennedy  
Co-Principal Investigator  
Project Title DeafBlind Central: Michigan's Training Resource Project Year 5  
Organization Name US Department of Education  
Award Type GRANT  
Project Start Date 10/1/2022  
Project End Date 9/30/2023  
Direct Costs Amount 257,170.00  
F&A Costs Amount 20,214.00  
Total Amount 277,384.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 277,384.00

**Grant F64661**

College/Division Science & Engineering  
Department/Org Unit Biology  
Principal Investigator Donald Uzarski  
Co-Principal Investigator Dennis Albert, Matthew Cooper, Thomas Gehring  
Project Title Continuation of the GLCWMP: 2020-2025  
Organization Name US Environmental Protection Agency  
Award Type COOPERATIVE AGREEMENT  
Project Start Date 2/1/2021  
Project End Date 10/31/2025  
Direct Costs Amount 1,783,873.00  
F&A Costs Amount 252,627.00  
Total Amount 2,036,500.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 2,036,500.00



<b>Grant</b>	<b>F65046</b>
College/Division	Science & Engineering
Department/Org Unit	Biology
Principal Investigator	Jennifer Schisa
Co-Principal Investigator	
Project Title	ERK-Medicated Regulation of RNA Binding Protein Condensation During Female Germ Cell Development
Organization Name	National Institutes of Health/USDHHS
Award Type	GRANT
Project Start Date	8/1/2022
Project End Date	7/31/2025
Direct Costs Amount	300,000.00
F&A Costs Amount	125,395.00
Total Amount	425,395.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	425,395.00

<b>Grant</b>	<b>F65040</b>
College/Division	Science & Engineering
Department/Org Unit	Chemistry & Biochemistry
Principal Investigator	Choon Lee
Co-Principal Investigator	
Project Title	Engineering Hydrophilic/Amphiphilic Vitamin B6-Based Super Antioxidant Dendrimer
Organization Name	National Institutes of Health/USDHHS
Award Type	GRANT
Project Start Date	9/1/2022
Project End Date	8/31/2025
Direct Costs Amount	300,000.00
F&A Costs Amount	126,275.00
Total Amount	426,275.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	426,275.00

<b>Grant</b>	<b>F65233</b>
College/Division	Science & Engineering
Department/Org Unit	Earth and Atmospheric Sciences
Principal Investigator	John Allen
Co-Principal Investigator	
Project Title	Quantifying the Risk & Impact of Wind and Hail Storms in a Warming Climate
Organization Name	National Institute of Standards and Technology/USDOC
Award Type	GRANT
Project Start Date	7/1/2022
Project End Date	6/30/2025
Direct Costs Amount	242,486.00
F&A Costs Amount	97,878.00
Total Amount	340,364.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	340,364.00

Grant P64888

College/Division Science & Engineering  
Department/Org Unit Earth and Atmospheric Sciences  
Principal Investigator John Allen  
Co-Principal Investigator  
Project Title Geospatial Predictive Analysis of Damaging Hail and Wind Occurrences  
Organization Name University of Illinois-Urbana Champaign/AON Insurance Company  
Award Type SUBCONTRACT  
Project Start Date 3/16/2022  
Project End Date 3/15/2023  
Direct Costs Amount 148,013.00  
F&A Costs Amount 64,167.00  
Total Amount 212,180.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 212,180.00

Grant P65122

College/Division Science & Engineering  
Department/Org Unit Earth and Atmospheric Sciences  
Principal Investigator John Allen  
Co-Principal Investigator  
Project Title Developing Structural, Morphological, and Microphysical Understanding  
Organization Name University of Nebraska-Lincoln/NSF  
Award Type SUBCONTRACT  
Project Start Date 8/1/2022  
Project End Date 6/30/2025  
Direct Costs Amount 150,867.00  
F&A Costs Amount 50,274.00  
Total Amount 201,141.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 201,141.00

Grant F64698

College/Division Science & Engineering  
Department/Org Unit Physics  
Principal Investigator Koblar Jackson  
Co-Principal Investigator Juan Peralta  
Project Title FLO-SIC: Efficient Density Functional Calculations Without Self-Interaction  
Organization Name US Department of Energy  
Award Type GRANT  
Project Start Date 9/1/2021  
Project End Date 8/31/2025  
Direct Costs Amount 1,133,539.00  
F&A Costs Amount 116,461.00  
Total Amount 1,250,000.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 1,250,000.00

<b>Grant</b>	<b>F65302</b>
College/Division	Student Recruitment & Retention Division
Department/Org Unit	Student Success
Principal Investigator	Primavera Jimenez
Co-Principal Investigator	
Project Title	Central Michigan University - Talent Search Detroit 2022-23
Organization Name	US Department of Education
Award Type	GRANT
Project Start Date	9/1/2022
Project End Date	8/31/2023
Direct Costs Amount	256,829.00
F&A Costs Amount	20,546.00
Total Amount	277,375.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	277,375.00

**Awards for Research & Sponsored Programs  
July 1, 2022 through September 30, 2022  
Awards of less than \$200,000**

<b>Grant</b>	<b>P65314</b>
College/Division	Academic Division
Department/Org Unit	Clarke Historical Library
Principal Investigator	Megan Farrell
Co-Principal Investigator	
Project Title	Daily Reporter [Coldwater] Microfilming
Organization Name	Branch District Library
Award Type	CONTRACT
Project Start Date	10/1/2022
Project End Date	6/30/2023
Direct Costs Amount	4,851.00
F&A Costs Amount	1,649.00
Total Amount	6,500.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	6,500.00

<b>Grant</b>	<b>P65329</b>
College/Division	Academic Division
Department/Org Unit	Clarke Historical Library
Principal Investigator	Megan Farrell
Co-Principal Investigator	
Project Title	Rockford Squire Preservation Microfilming
Organization Name	Rockford Area Historical Society
Award Type	CONTRACT
Project Start Date	10/1/2022
Project End Date	6/30/2023
Direct Costs Amount	1,940.00
F&A Costs Amount	660.00
Total Amount	2,600.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	2,600.00

**Grant P65330**

College/Division Academic Division  
 Department/Org Unit Innovation & Online  
 Principal Investigator Kaleb Patrick  
 Co-Principal Investigator  
 Project Title IT Boot Campus, What's Next Series - Blue Cross/Blue Shield of Michigan  
 Organization Name Blue Cross Blue Shield of Michigan  
 Award Type CONTRACT  
 Project Start Date 6/21/2022  
 Project End Date 9/13/2022  
 Direct Costs Amount 8,000.00  
 F&A Costs Amount 0.00  
 Total Amount 8,000.00  
 Cash Match Amount 0.00  
 In-Kind Match Amount 0.00  
 Third Party Match Amount 0.00  
 Total Project Amount 8,000.00

**Grant S65312**

College/Division Academic Division  
 Department/Org Unit Libraries - Dean's Office  
 Principal Investigator Timothy Peters  
 Co-Principal Investigator  
 Project Title Library Laptop Loaning Program  
 Organization Name Michigan Department of Education/Institute of Museum & Library Services  
 Award Type GRANT  
 Project Start Date 10/1/2022  
 Project End Date 8/31/2023  
 Direct Costs Amount 11,071.00  
 F&A Costs Amount 3,764.00  
 Total Amount 14,835.00  
 Cash Match Amount 0.00  
 In-Kind Match Amount 0.00  
 Third Party Match Amount 0.00  
 Total Project Amount 14,835.00

**Grant F64945**

College/Division Academic Division, Science & Engineering  
 Department/Org Unit Research & Graduate Studies, Biology  
 Principal Investigator Bradley Swanson  
 Co-Principal Investigator David Zanatta  
 Project Title Graduate Research Fellowship Program: Aaliyah Wright  
 Organization Name National Science Foundation  
 Award Type GRANT  
 Project Start Date 9/15/2021  
 Project End Date 8/31/2026  
 Direct Costs Amount 46,000.00  
 F&A Costs Amount 0.00  
 Total Amount 46,000.00  
 Cash Match Amount 0.00  
 In-Kind Match Amount 0.00  
 Third Party Match Amount 0.00  
 Total Project Amount 46,000.00

**Grant F65033**

College/Division College of Medicine  
Department/Org Unit College of Medicine  
Principal Investigator Beth Bailey  
Co-Principal Investigator  
Project Title Using (EMR) Data to Examine Outcomes Following Prenatal Drug Exposure: Evaluating Availability, Accuracy, and Utility of Exposure Information  
Organization Name National Institutes of Health/USDHHS  
Award Type GRANT  
Project Start Date 8/25/2022  
Project End Date 7/31/2023  
Direct Costs Amount 50,000.00  
F&A Costs Amount 23,250.00  
Total Amount 73,250.00  
Cash Match Amount 764.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 74,014.00

**Grant F65082**

College/Division College of Medicine  
Department/Org Unit College of Medicine  
Principal Investigator Ute Hochgeschwender  
Co-Principal Investigator  
Project Title Selective Dissection of Local and Distributed Neocortical Inhibitory Circuits  
Organization Name National Institutes of Health/USDHHS  
Award Type GRANT  
Project Start Date 7/1/2022  
Project End Date 6/30/2023  
Direct Costs Amount 1,000.00  
F&A Costs Amount 0.00  
Total Amount 1,000.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 1,000.00

**Grant F65296**

College/Division College of Medicine  
Department/Org Unit College of Medicine  
Principal Investigator Kathleen Meert  
Co-Principal Investigator  
Project Title Collaborative Pediatric Critical Care Research Network (CPCCRN)  
Organization Name National Institutes of Health/USDHHS  
Award Type GRANT  
Project Start Date 8/1/2022  
Project End Date 7/31/2023  
Direct Costs Amount 98,236.00  
F&A Costs Amount 45,680.00  
Total Amount 143,916.00  
Cash Match Amount 1,155.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 145,071.00

<b>Grant</b>	<b>P64463</b>
College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	Gautam Singh
Co-Principal Investigator	
Project Title	Cardiovascular and Metabolic Abnormalities in Childhood Survivors
Organization Name	Children's Foundation
Award Type	GRANT
Project Start Date	6/23/2022
Project End Date	6/30/2023
Direct Costs Amount	57,606.00
F&A Costs Amount	0.00
Total Amount	57,606.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	57,606.00

<b>Grant</b>	<b>P64962</b>
College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	April Osburn
Co-Principal Investigator	
Project Title	AHEC Infrastructure Development Program Year 10
Organization Name	Mid Central Area Health Education Center/WSU/HRSA/USDHHS
Award Type	SUBCONTRACT
Project Start Date	9/1/2021
Project End Date	8/31/2022
Direct Costs Amount	1,150.38
F&A Costs Amount	0.00
Total Amount	1,150.38
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	1,150.38

<b>Grant</b>	<b>P65164</b>
College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	Kathleen Meert
Co-Principal Investigator	
Project Title	¶ Pediatric Influence of Cooling Duration on Efficacy Cardiac Arrest Patients
Organization Name	University of Michigan/NIH/USDHHS
Award Type	SUBCONTRACT
Project Start Date	9/15/2021
Project End Date	8/31/2022
Direct Costs Amount	478.00
F&A Costs Amount	222.00
Total Amount	700.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	700.00

<b>Grant</b>	<b>P65251</b>
College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	Meret Henry
Co-Principal Investigator	
Project Title	AML16: Trial of Epigenetic Priming in Patients with Acute Myeloid Leukemia
Organization Name	St Jude Children's Research Hospital
Award Type	CONTRACT
Project Start Date	5/16/2022
Project End Date	5/15/2027
Direct Costs Amount	55,224.00
F&A Costs Amount	18,776.00
Total Amount	74,000.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	74,000.00

<b>Grant</b>	<b>S64938</b>
College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	Aimee Luat
Co-Principal Investigator	
Project Title	Epilepsy and Telemedicine Year 3
Organization Name	Michigan Department of Health and Human Services/USDHHS
Award Type	SUBCONTRACT
Project Start Date	10/1/2021
Project End Date	9/30/2022
Direct Costs Amount	3,637.00
F&A Costs Amount	363.00
Total Amount	4,000.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	4,000.00

<b>Grant</b>	<b>S65301</b>
College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	Aimee Luat
Co-Principal Investigator	
Project Title	Epilepsy and Telemedicine Year 4
Organization Name	Michigan Department of Health and Human Services/USDHHS
Award Type	SUBCONTRACT
Project Start Date	10/1/2022
Project End Date	9/30/2023
Direct Costs Amount	13,636.00
F&A Costs Amount	1,364.00
Total Amount	15,000.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	15,000.00

<b>Grant</b>	<b>S65338</b>
College/Division	College of Medicine
Department/Org Unit	College of Medicine
Principal Investigator	Alison Arnold
Co-Principal Investigator	
Project Title	MDHHS Suicide Prevention CDC Grant Proposal - CMU Subaward Year 3
Organization Name	Michigan Department of Health & Human Services/CDC/USDHHS
Award Type	SUBCONTRACT
Project Start Date	10/1/2022
Project End Date	9/30/2023
Direct Costs Amount	55,698.00
F&A Costs Amount	14,221.00
Total Amount	69,919.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	69,919.00

<b>Grant</b>	<b>P65162</b>
College/Division	Education & Human Services
Department/Org Unit	Human Development & Family Studies
Principal Investigator	Gina McGovern
Co-Principal Investigator	
Project Title	Development of a Measure of Equity-Based Social Emotional Learning Practices
Organization Name	University of Michigan/Spencer Foundation
Award Type	SUBCONTRACT
Project Start Date	10/1/2021
Project End Date	9/30/2022
Direct Costs Amount	7,670.00
F&A Costs Amount	0.00
Total Amount	7,670.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	7,670.00

<b>Grant</b>	<b>P65317</b>
College/Division	Education & Human Services
Department/Org Unit	Human Development & Family Studies
Principal Investigator	Holly Hoffman
Co-Principal Investigator	
Project Title	Mindfulness Matters: A Focus on Early Intervention
Organization Name	Clinton County RESA/MDE/USDE
Award Type	SUBCONTRACT
Project Start Date	7/20/2022
Project End Date	6/30/2023
Direct Costs Amount	7,000.00
F&A Costs Amount	0.00
Total Amount	7,000.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	7,000.00



<b>Grant</b>	<b>P65149</b>
College/Division	Education & Human Services
Department/Org Unit	Recreation Parks & Leisure Services
Principal Investigator	Robert Dvorak
Co-Principal Investigator	
Project Title	Sleeping Bear Dunes National Lakeshores 2022-2024 Visitor Use Management Study
Organization Name	Michigan State University/National Park Services/USDOI
Award Type	SUBCONTRACT
Project Start Date	4/1/2022
Project End Date	3/31/2024
Direct Costs Amount	14,057.00
F&A Costs Amount	2,460.00
Total Amount	16,517.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	16,517.00

<b>Grant</b>	<b>P64500</b>
College/Division	Liberal Arts & Social Sciences
Department/Org Unit	Psychology
Principal Investigator	Kevin Park
Co-Principal Investigator	
Project Title	A Novel Approach to Understand the Link Between Hearing Loss and Dementia
Organization Name	University of Illinois/NIH/USDHHS
Award Type	SUBCONTRACT
Project Start Date	4/1/2021
Project End Date	3/31/2023
Direct Costs Amount	5,000.00
F&A Costs Amount	2,325.00
Total Amount	7,325.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	7,325.00

<b>Grant</b>	<b>P65313</b>
College/Division	Liberal Arts & Social Sciences
Department/Org Unit	Psychology
Principal Investigator	Daniel Drevon
Co-Principal Investigator	
Project Title	BHWET Student Training Stipend Program
Organization Name	Eastern Michigan University/HRSA/USDHHS
Award Type	SUBCONTRACT
Project Start Date	7/1/2022
Project End Date	6/30/2023
Direct Costs Amount	25,000.00
F&A Costs Amount	0.00
Total Amount	25,000.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	25,000.00

<b>Grant</b>	<b>F65261</b>
College/Division	The HH & GA Dow College of Health Professions, Liberal Arts & Social Sciences
Department/Org Unit	Communication Sciences & Disorders, Psychology
Principal Investigator	AnnMarie Bates
Co-Principal Investigator	Daniel Drevon
Project Title	Autism Acceptance Peer Education Grant 2022
Organization Name	Organization for Autism Research
Award Type	GRANT
Project Start Date	9/15/2022
Project End Date	5/13/2023
Direct Costs Amount	1,000.00
F&A Costs Amount	0.00
Total Amount	1,000.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	1,000.00

<b>Grant</b>	<b>F64948</b>
College/Division	Science & Engineering
Department/Org Unit	Biology
Principal Investigator	Deric Learman
Co-Principal Investigator	
Project Title	Connecting Metagenome Potential to Microbial Function
Organization Name	National Science Foundation
Award Type	GRANT
Project Start Date	7/15/2022
Project End Date	6/30/2025
Direct Costs Amount	100,449.00
F&A Costs Amount	39,557.00
Total Amount	140,006.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	140,006.00

<b>Grant</b>	<b>F65154</b>
College/Division	Science & Engineering
Department/Org Unit	Biology
Principal Investigator	Cynthia Damer
Co-Principal Investigator	
Project Title	Equipment Supplement: Total Internal Reflection Fluorescence Microscope
Organization Name	National Institutes of Health/USDHHS
Award Type	GRANT
Project Start Date	4/1/2021
Project End Date	3/31/2024
Direct Costs Amount	99,998.00
F&A Costs Amount	0.00
Total Amount	99,998.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	99,998.00

<b>Grant</b>	<b>P65189</b>
College/Division	Science & Engineering
Department/Org Unit	Biology
Principal Investigator	Hunter Carrick
Co-Principal Investigator	
Project Title	Variation in Group-Specific Primary Production and P-Turnover by Phytoplankton
Organization Name	University of Michigan/NOAA/USDOC
Award Type	SUBCONTRACT
Project Start Date	7/1/2022
Project End Date	6/30/2023
Direct Costs Amount	47,619.00
F&A Costs Amount	12,381.00
Total Amount	60,000.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	60,000.00

<b>Grant</b>	<b>P64668</b>
College/Division	Science & Engineering
Department/Org Unit	Chemistry & Biochemistry
Principal Investigator	Benjamin Swarts
Co-Principal Investigator	
Project Title	Leveraging Glucose Transport and the Hepatic Adaptive Fasting Response
Organization Name	Washington University St. Louis/NIH/USDHHS
Award Type	SUBCONTRACT
Project Start Date	8/25/2021
Project End Date	7/31/2023
Direct Costs Amount	13,312.00
F&A Costs Amount	6,190.00
Total Amount	19,502.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	19,502.00

<b>Grant</b>	<b>P65274</b>
College/Division	Science & Engineering
Department/Org Unit	Earth and Atmospheric Sciences
Principal Investigator	Monaliza Sirbescu
Co-Principal Investigator	
Project Title	Multi-Faceted Brownfield Exploration for Lithium-Rich Pegmatites
Organization Name	Lithium Americas Corporation
Award Type	CONTRACT
Project Start Date	5/2/2022
Project End Date	4/30/2023
Direct Costs Amount	20,478.00
F&A Costs Amount	9,522.00
Total Amount	30,000.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	30,000.00

Grant F65175

College/Division Science & Engineering  
Department/Org Unit Earth and Atmospheric Sciences, Engineering & Technology  
Principal Investigator Wendy Robertson  
Co-Principal Investigator Roderick Lammers, John Allen, Daria Kluver  
Project Title Expanding Collaborative Capacity to Address Climate Resiliency in the Great Lake  
Organization Name US Department of Energy  
Award Type GRANT  
Project Start Date 9/1/2022  
Project End Date 5/31/2024  
Direct Costs Amount 66,012.00  
F&A Costs Amount 27,292.00  
Total Amount 93,304.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 93,304.00

Grant F64933

College/Division Science & Engineering  
Department/Org Unit Geography & Environmental Studies  
Principal Investigator Tao Zheng  
Co-Principal Investigator  
Project Title Regional Inverse Modeling in North and South America for NASA  
Organization Name National Aeronautics and Space Administration  
Award Type GRANT  
Project Start Date 7/1/2021  
Project End Date 6/30/2024  
Direct Costs Amount 27,003.00  
F&A Costs Amount 12,556.00  
Total Amount 39,559.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 39,559.00

Grant F64348

College/Division Science & Engineering  
Department/Org Unit Physics  
Principal Investigator Juan Peralta  
Co-Principal Investigator  
Project Title Computational Methods Based on Density Functional Theory for Reactions  
Organization Name US Department of Energy  
Award Type GRANT  
Project Start Date 7/1/2020  
Project End Date 6/30/2023  
Direct Costs Amount 67,893.00  
F&A Costs Amount 24,445.00  
Total Amount 92,338.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 92,338.00

<b>Grant</b>	<b>F64697</b>
College/Division	Science & Engineering
Department/Org Unit	Physics
Principal Investigator	Matthew Redshaw
Co-Principal Investigator	
Project Title	Precise Q Values for Ultra-Low Energy and Highly Forbidden Beta Decays
Organization Name	National Science Foundation
Award Type	GRANT
Project Start Date	9/1/2021
Project End Date	8/31/2024
Direct Costs Amount	66,220.00
F&A Costs Amount	23,779.00
Total Amount	89,999.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	89,999.00

<b>Grant</b>	<b>P65297</b>
College/Division	Science & Engineering
Department/Org Unit	Statistics
Principal Investigator	John Daniels
Co-Principal Investigator	Mohamed Amezziane
Project Title	Community Development and Engagement Proposal, Building Data Enabled Communities
Organization Name	University of Illinois-Urbana Champaign
Award Type	GRANT
Project Start Date	10/1/2022
Project End Date	9/30/2023
Direct Costs Amount	23,169.00
F&A Costs Amount	0.00
Total Amount	23,169.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	23,169.00

<b>Grant</b>	<b>P65227</b>
College/Division	The HH & GA Dow College of Health Professions, Science & Engineering
Department/Org Unit	Physical Therapy Program, Engineering & Technology
Principal Investigator	Ksenia Ustinova
Co-Principal Investigator	Joseph Langenderfer
Project Title	Effectiveness of the NewGait System in Correction of Walking Abnormalities
Organization Name	NewGait MI LLC
Award Type	CONTRACT
Project Start Date	6/1/2022
Project End Date	6/30/2023
Direct Costs Amount	13,393.00
F&A Costs Amount	1,607.00
Total Amount	15,000.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	15,000.00

Grant P65315

College/Division Student Affairs Division  
Department/Org Unit Native American Programs  
Principal Investigator Colleen Green  
Co-Principal Investigator  
Project Title All Nations Louis Stokes Alliance for Minority Participation  
2022-23  
Organization Name Salish Kootenai College/NSF  
Award Type SUBCONTRACT  
Project Start Date 9/1/2022  
Project End Date 8/31/2023  
Direct Costs Amount 5,000.00  
F&A Costs Amount 0.00  
Total Amount 5,000.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 5,000.00

Grant P65326

College/Division The HH & GA Dow College of Health Professions  
Department/Org Unit Communication Sciences & Disorders  
Principal Investigator Theresa Jones  
Co-Principal Investigator  
Project Title Clare-Gladwin RESD Writer's Workshop - 2022-2023  
Organization Name Clare-Gladwin RESD  
Award Type CONTRACT  
Project Start Date 8/29/2022  
Project End Date 5/5/2023  
Direct Costs Amount 2,130.00  
F&A Costs Amount 990.00  
Total Amount 3,120.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 3,120.00

Grant P65294

College/Division The HH & GA Dow College of Health Professions  
Department/Org Unit The HH & GA Dow College of Health Professions  
Principal Investigator Gregory Zimmerman  
Co-Principal Investigator Debra Kimball-Christie  
Project Title Mt. Pleasant Public Schools Sports Physicals  
Organization Name Mt Pleasant Public Schools  
Award Type CONTRACT  
Project Start Date 8/5/2022  
Project End Date 8/5/2022  
Direct Costs Amount 300.00  
F&A Costs Amount 0.00  
Total Amount 300.00  
Cash Match Amount 0.00  
In-Kind Match Amount 0.00  
Third Party Match Amount 0.00  
Total Project Amount 300.00

Grant	P65283
College/Division	The HH & GA Dow College of Health Professions
Department/Org Unit	The HH & GA Dow College of Health Professions, Physician Assistant
Principal Investigator	Gregory Zimmerman
Co-Principal Investigator	Debra Kimball-Christie
Project Title	St. Louis Public Schools Sports Physicals
Organization Name	St Louis Public Schools
Award Type	CONTRACT
Project Start Date	7/20/2022
Project End Date	7/20/2022
Direct Costs Amount	438.00
F&A Costs Amount	0.00
Total Amount	438.00
Cash Match Amount	0.00
In-Kind Match Amount	0.00
Third Party Match Amount	0.00
Total Project Amount	438.00

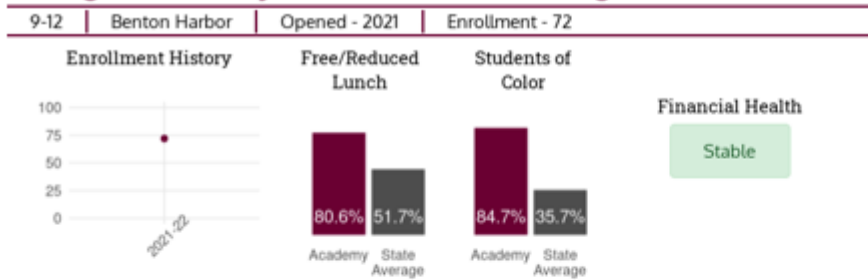
**PUBLIC SCHOOL ACADEMY ACTIVITIES: CONSENT AGENDA**

The Board of Trustees must approve changes in members of boards of directors of public school academies, change in members of board of directors of School of Excellence that is a Cyber School, reauthorization of public school academies, and reauthorization of School of Excellence that is a Cyber School. Approval of the proposed resolutions which appear for committee review will be requested as part of the consent agenda.

**Changes in Members of Boards of Directors of Public School Academies**

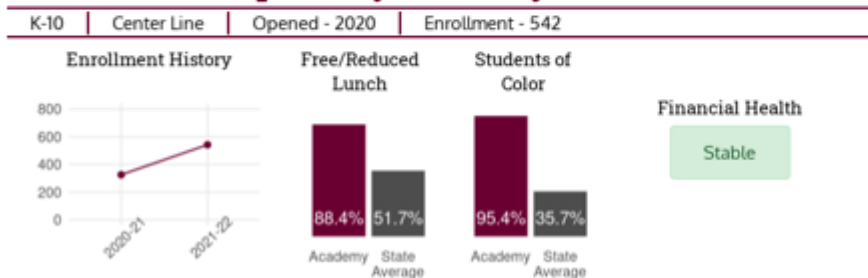
Please find below background information on the academies that have board member resolutions for consideration.

**Bridge Academy of Southwest Michigan**



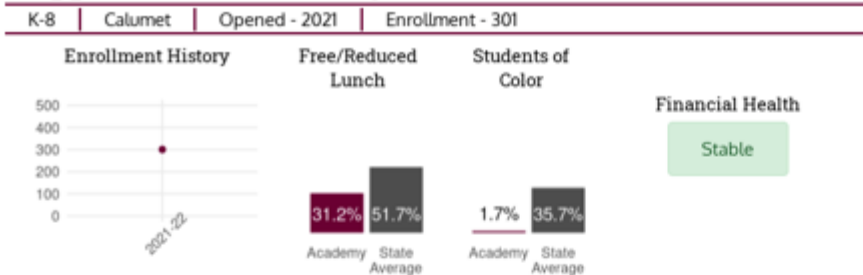
The school is in its second year of operation and provides a hybrid of direct instruction and virtual learning that emphasizes academic and career preparation including employability skills, vocational training, and work experiences. The school is partnering with Kinexus, a well-established community organization.

**Center Line Preparatory Academy**



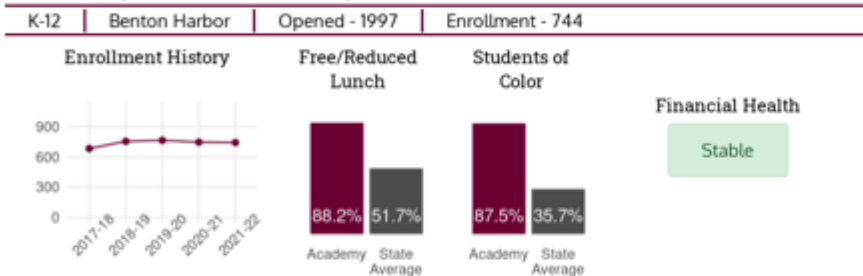
In its third year of operation, the school utilizes an established educational model that has produced some of the highest-performing schools in the state. With an emphasis on college preparation and moral focus programming, students are challenged to reach their full potential. The school has grown in enrollment and will add a grade each year until they offer a full K-12 program.

## Copper Island Academy



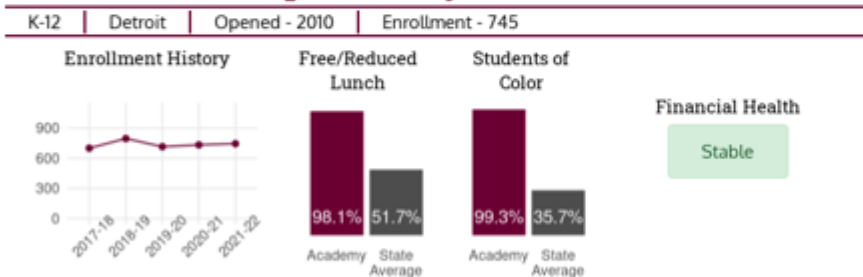
The school is in its second year of operation with an educational model built off the successes of the highly effective Finnish model of education, incorporating key components to maximize student learning. Through collaborations with community members, local businesses, and other organizations, students learn about many life and career pathways.

## Countryside Academy



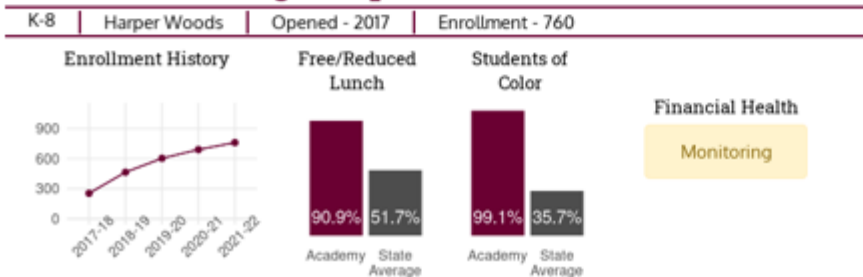
With a mission and curriculum focused on FARE (Food, Agriculture, Renewable Resources and Environment) based activities, the school serves students on a 98-acre campus with agriculture facilities, a greenhouse, woods and gardens.

## Detroit Leadership Academy



With a focus on building positive and culturally responsive relationships, the school provides trauma informed education, timely and targeted intervention, and has a culture of achievement centered on high expectations and high support.

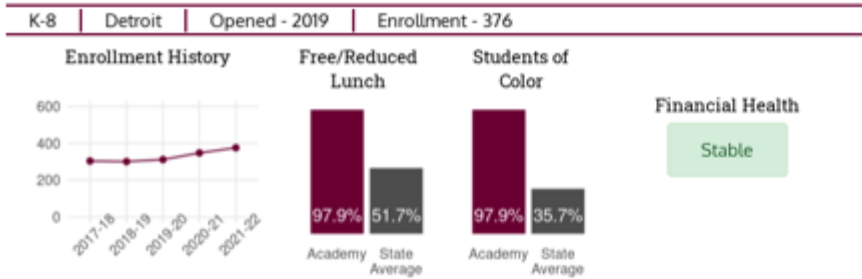
## Distinctive College Prep



The school uses state-of-the-art technology to create rich classrooms for students and teachers. They aim to educate the "whole child" by focusing on both academics and social-emotional needs. Their parents, staff and students also adhere to six core commitments that include academic excellence, optimism, and social justice.

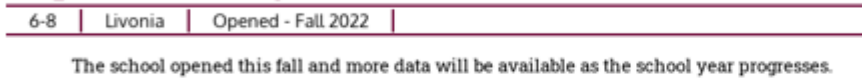


## Escuela Avancemos!



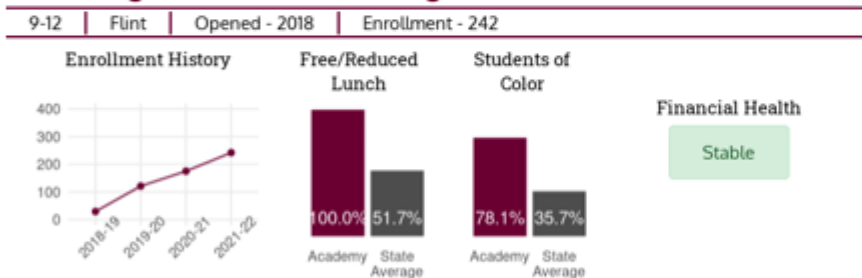
The school utilizes a unique “whole child” approach that includes a full-service community model. Their extensive services provide supports to the student and families they serve with a dedication to cultural responsiveness. The schools serves a student population that is 94% English Language Learners.

## Explore Academy Livonia



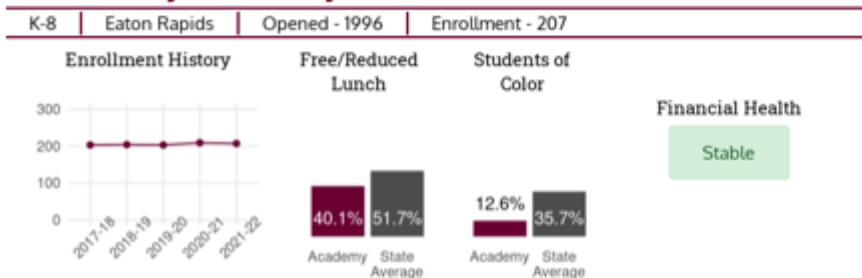
The school opened this fall with an educational model that reinvents learning to provide each student with a personalized educational experience through the power of student choice, allowing each student to create a unique educational pathway in preparation for a college future.

## Flex High School of Michigan



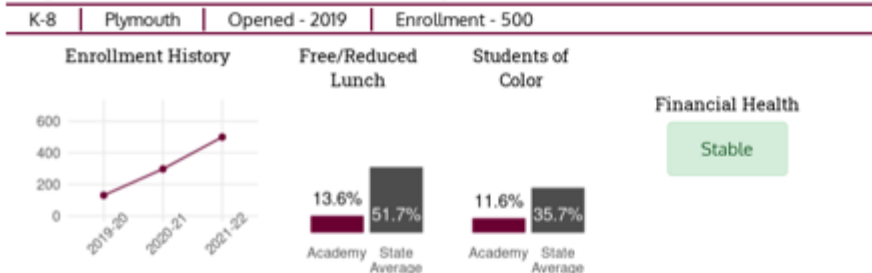
The mission of the school is to recover those students who have dropped out (or who are in danger of dropping out), get them into a resource center, motivate them, mentor them, counsel them and teach them.

## Island City Academy



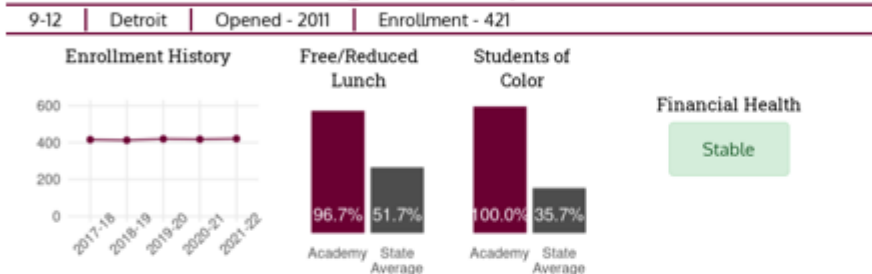
The school’s academic program is focused on providing quality curriculum in eight core subjects in addition to moral education. Their mission is to improve pupil achievement through a shared vision between talented teachers, parents and students whose primary goal is academic excellence coupled with moral standards and expectations.

## Ivywood Classical Academy



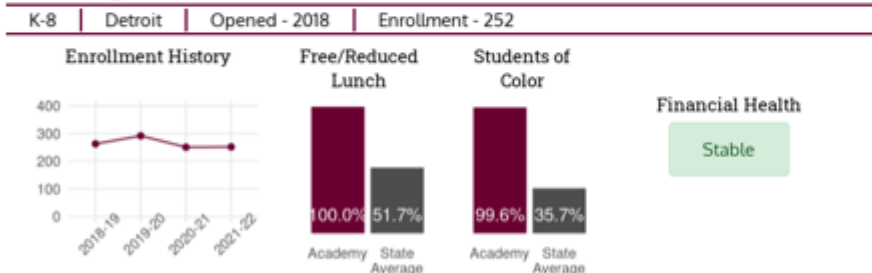
In their fourth year of operation, the school has shown a high demand for their program in their community with a large waiting list. The school features a virtues-based, content-rich, classical education. This model has a focus on the principles of moral character and civic virtue.

## Jalen Rose Leadership Academy



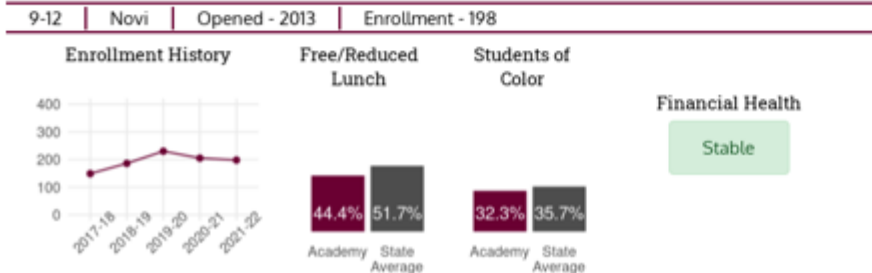
Students attending the school are choosing a path that is focused on leadership and being successful in college. Through their academic offerings, community partnerships and individualized college success advising, students are provided the skills they need to make an impact on the world. The school follows a grades 9-16 model and continues to guide students following their graduation.

## Michigan Educational Choice Center



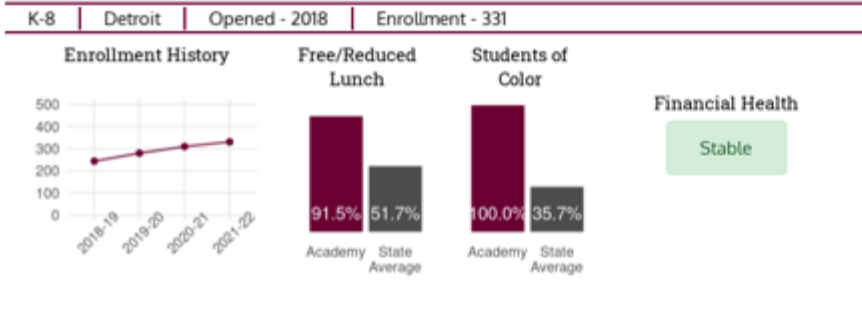
The school utilizes best practices in data-driven instruction and differentiated learning to deliver instruction in core subjects, creating a uniquely rigorous and personalized learning experience for every child. Students at the school learn robotics, coding and have daily courses in arts and humanities.

## Oakland FlexTech High School



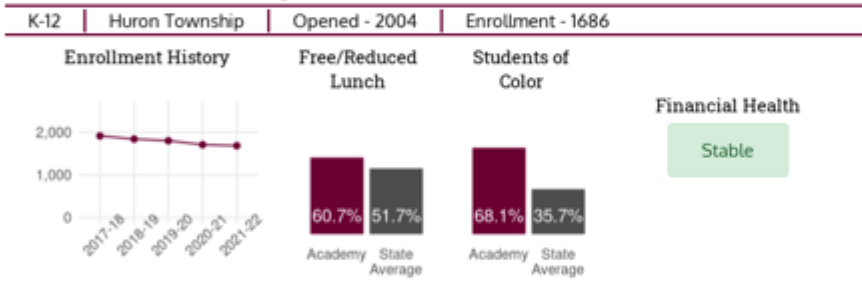
Students have the opportunity to take ownership of their learning, define their goals, and receive support from staff in a caring environment. The school utilizes a project-based learning model that provides students real-world experience by demonstrating knowledge of multiple content areas through projects.

## Pembroke Academy



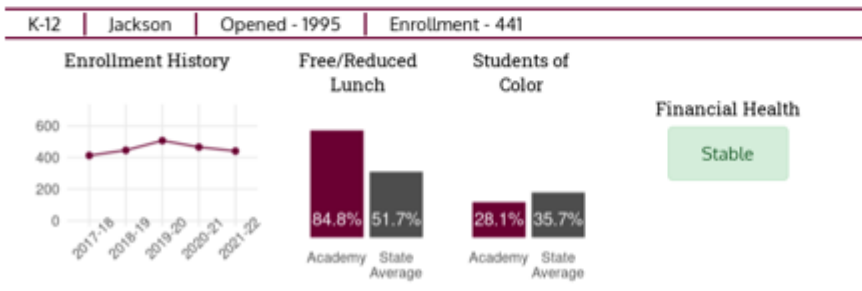
The school's mission is to provide a rigorous, high-quality academic program, emphasizing reading proficiency, that reverses achievement gaps while instilling students with strong moral character. Their model is focused on tailored instruction and ensuring that all students are reading at or above grade level and are on a path to college-readiness.

## Summit Academy North



Their mission is to educate and empower their learning community through rigor and innovation. They offer small classes ensuring individual attention and focus on college readiness by using real-world problem solving. They have a strong internal technology team allowing them to develop online tools.

## The da Vinci Institute

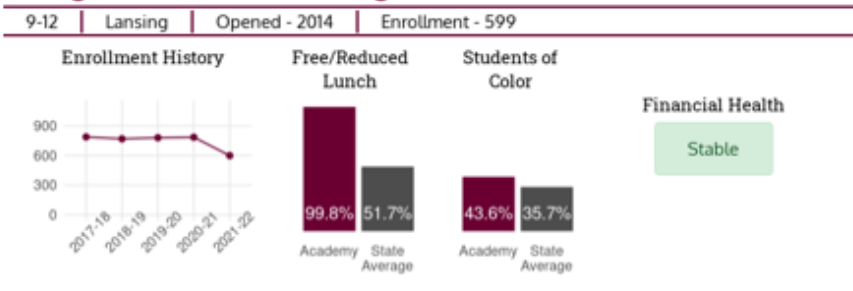


The school has a student-centered approach that focuses on the unique needs of each child. Their mission is to prepare students to be well-educated, self-directed learners who are successful in college, work and life, and who are reasonable, responsible, and respectful citizens of a global society.

Data Note: Demographic and enrollment information are from 2021-22; Financial information reflects the most recent data available across several data sources.

**Change in Members of Board of Directors of School of Excellence that is a Cyber School**  
 Please find below background information on the academy that has a board member resolution for consideration.

**Insight School of Michigan**



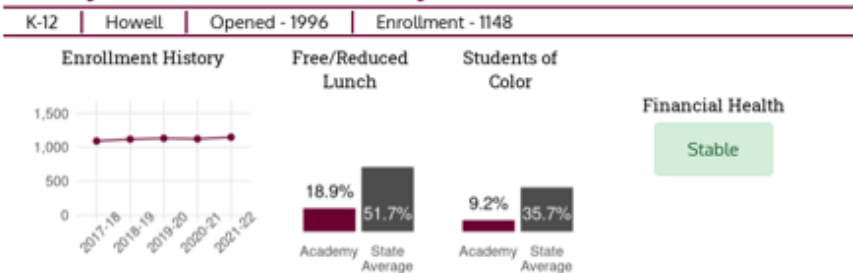
This fully online cyber school has a mission to provide students who are struggling with their education an alternative learning program that helps them stay in school, achieve a high school diploma, and prepare for success in college, life and work. They serve students from throughout the state of Michigan.

Data Note: Demographic and enrollment information are from 2021-22; Financial information reflects the most recent data available across several data sources.

**Reauthorization of Public School Academies**

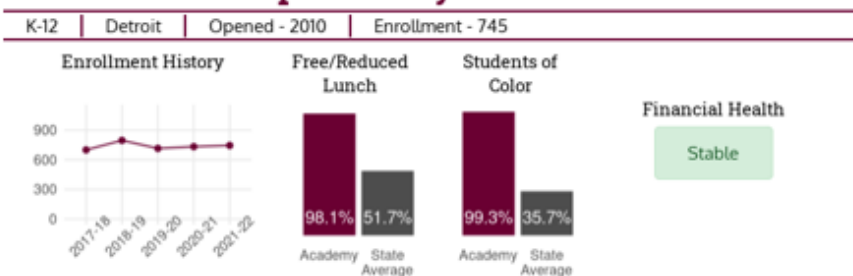
Please find below background information on the academies that have reauthorization for consideration.

**Charyl Stockwell Academy**



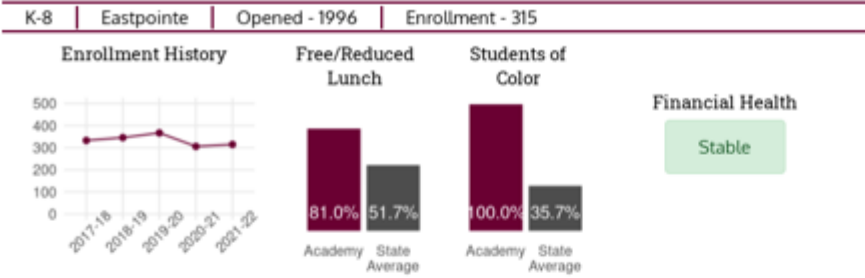
An environment of excellence, including their high school being designated an International Baccalaureate World School, provides students at the school an education that sets them up for a bright future. This school uses both a mastery learning approach and a whole child approach to provide a unique educational option for their community. They have also been identified as one of six CMU Schools of Excellence.

**Detroit Leadership Academy**



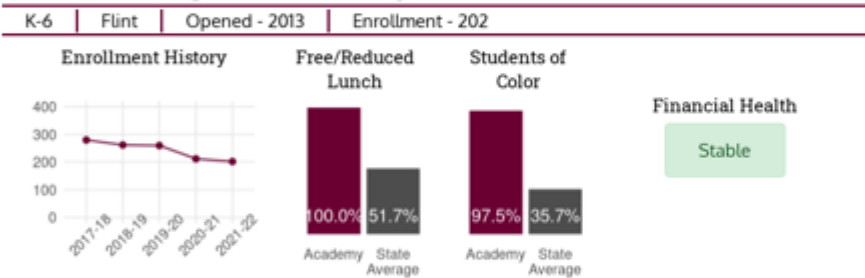
With a focus on building positive and culturally responsive relationships, the school provides trauma informed education, timely and targeted intervention, and has a culture of achievement centered on high expectations and high support.

## Eaton Academy



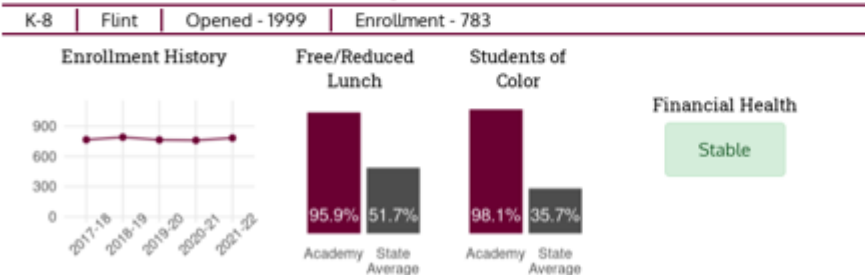
The school's mission is that through relentless individualized support and shared ownership, we propel each student on their personal path to long-term success in school, career and life. They focus on instilling characteristics such as collaboration, resilience, critical thinking, inventiveness, and a sense of self and expression within all of their students.

## Greater Heights Academy



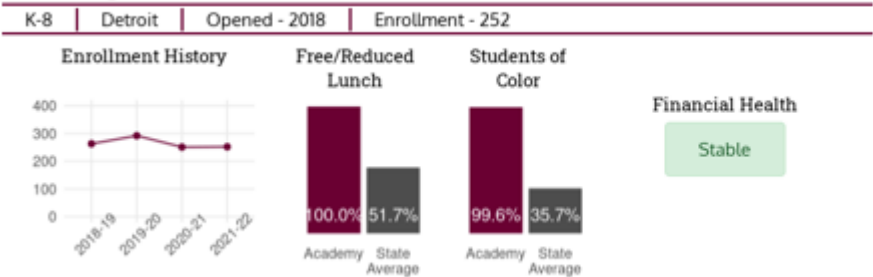
The school focuses on a positive partnership between family, school and community; it has recently partnered with an education management organization and has a renewed energy.

## Linden Charter Academy



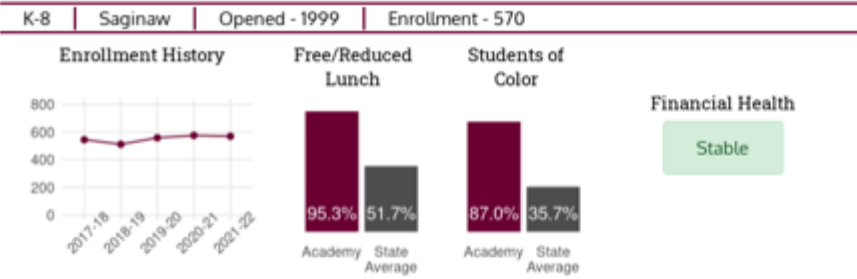
The school's mission is to work in cooperation with families, staff, and the community, to offer a strong curriculum, focused on character education in a nurturing atmosphere of high, yet attainable, academic and moral expectations for their increasingly diverse student population. Their mission also states that students will master basic skills while strengthening their moral foundation in preparation for lifelong learning.

## Michigan Educational Choice Center



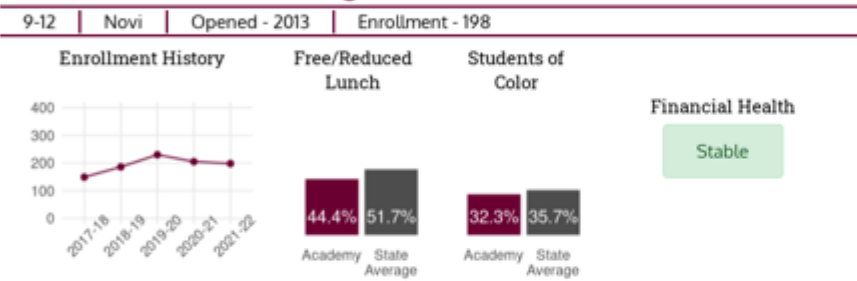
The school utilizes best practices in data-driven instruction and differentiated learning to deliver instruction in core subjects, creating a uniquely rigorous and personalized learning experience for every child. Students at the school learn robotics, coding and have daily courses in arts and humanities.

## North Saginaw Charter Academy



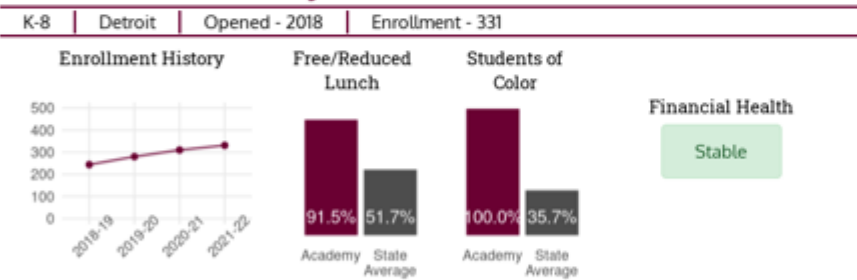
The school's mission is to work collectively with parents and community to offer a challenging, character-based education. The school achieves this with an emphasis on the attainment and application of core academic knowledge in an encouraging environment valuing integrity, respect and kindness.

## Oakland FlexTech High School



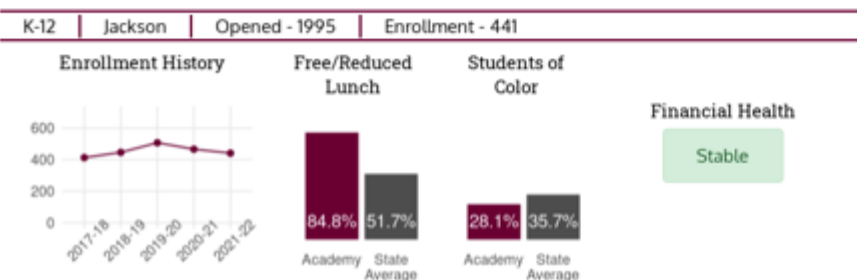
Students have the opportunity to take ownership of their learning, define their goals, and receive support from staff in a caring environment. The school utilizes a project-based learning model that provides students real-world experience by demonstrating knowledge of multiple content areas through projects.

## Pembroke Academy



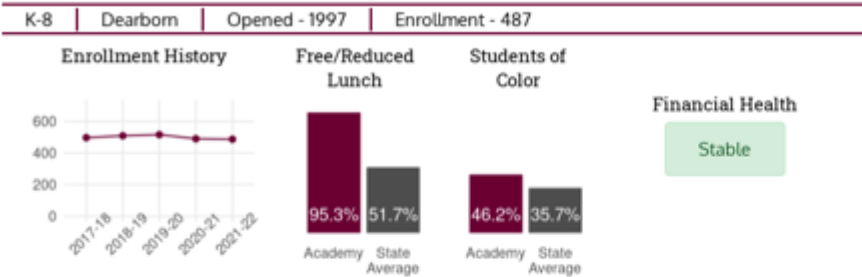
The school's mission is to provide a rigorous, high-quality academic program, emphasizing reading proficiency, that reverses achievement gaps while instilling students with strong moral character. Their model is focused on tailored instruction and ensuring that all students are reading at or above grade level and are on a path to college-readiness.

## The da Vinci Institute



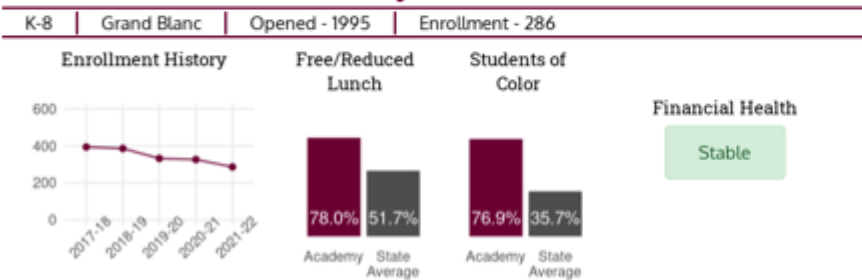
The school has a student-centered approach that focuses on the unique needs of each child. Their mission is to prepare students to be well-educated, self-directed learners who are successful in college, work and life, and who are reasonable, responsible, and respectful citizens of a global society.

## The Dearborn Academy



The school serves a multicultural community through individualized, focused instruction allowing each student to achieve academic excellence and exhibit social responsibility. The school serves a student population that is 64% English Language Learners.

## Woodland Park Academy



The school's mission is to partner with families and provide diverse educational opportunities to inspire our children to change the world. They focus on ensuring families are supported and connected to their student's education. The school also has a unique fine arts program that includes dance.

Data Note: Demographic and enrollment information are from 2021-22; Financial information reflects the most recent data available across several data sources.

### CHANGE IN MEMBERS OF BOARD OF DIRECTORS OF PUBLIC SCHOOL ACADEMY

#### Bridge Academy of Southwest Michigan

Recitals:

1. At its February 11, 2021, meeting this board authorized the issuance of a contract to charter as a public school academy to Bridge Academy of Southwest Michigan. On March 16, 2021, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The term of Brian Maynard expires January 14, 2023.
4. The board of the academy and university president or designee have recommended Brian Maynard for reappointment to a term which expires January 14, 2027.

BE IT RESOLVED, That Brian Maynard is reappointed to serve as a member of the board of directors of Bridge Academy of Southwest Michigan commencing the date upon which the oath of public office is taken, but not prior to January 15, 2023.

Brian Maynard  
St. Joseph, Michigan  
owner, Maynard Hospitality, LLC DBA Forte Coffee  
(to fill a term ending January 14, 2027)

### **Center Line Preparatory Academy**

Recitals:

1. At its December 5, 2019, meeting this board authorized the issuance of a contract to charter as a public school academy to Center Line Preparatory Academy. On February 27, 2020, the contract was effective.
2. This board appointed the initial board of directors of the academy. The current number of positions of this board is five (5).
3. Hassan Stigler resigned March 27, 2022, therefore leaving a vacant position on the board of directors. The term of the vacant position expires January 14, 2025.
4. The term of Christian Liner expires January 14, 2023.
5. The board of the academy and university president or designee have recommended Lynn Coleman for appointment to a term which expires January 14, 2025; and Christian Liner for reappointment to a term which expires January 14, 2027.

BE IT RESOLVED, That Lynn Coleman is appointed to serve as a member of the board of directors of Center Line Preparatory Academy commencing the date upon which the oath of public office is taken.

BE IT FURTHER RESOLVED, That Christian Liner is reappointed to serve as a member of the board of directors of Center Line Preparatory Academy commencing the date upon which the oath of public office is taken, but not prior to January 15, 2023.

Lynn Coleman  
Detroit, Michigan  
math teacher/after school director, Solid Rock Management (Winas Academy)  
(to fill a term ending January 14, 2025)

Christian Liner  
Detroit, Michigan  
assistant controller, Jewish Family Services of Metro Detroit  
(to fill a term ending January 14, 2027)

### **Copper Island Academy**

Recitals:

1. At its April 22, 2021, meeting this board authorized the issuance of a contract to charter as a public school academy to Copper Island Academy. On April 26, 2021, the contract was effective.
2. This board appointed the initial board of directors of the academy. The current number of positions of this board is seven (7).



3. Kevin Mackey resigned August 31, 2022, therefore leaving a vacant position on the board of directors. The term of the vacant position expires January 14, 2023.
4. The board of the academy and university president or designee have recommended Nathan Sturos for appointment to a term which expires January 14, 2023, and to an additional term which expires January 14, 2027.

BE IT RESOLVED, That Nathan Sturos is appointed to serve as a member of the board of directors of Copper Island Academy commencing the date upon which the oath of public office is taken.

Nathan Sturos  
Calumet, Michigan  
principal, Sturos CPA, P.C.  
*(to fill a term ending January 14, 2027)*

### **Countryside Academy**

Recitals:

1. At its February 17, 2022, meeting this board authorized the issuance of a contract to charter as a public school academy to Countryside Academy. On July 1, 2022, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is seven (7).
3. Johnny Singer resigned June 15, 2022, therefore leaving a vacant position on the board of directors. The term of the vacant position expires November 7, 2024.
4. The board of the academy and university president or designee have recommended Ana Johnson for appointment to a term which expires November 7, 2024.

BE IT RESOLVED, That Ana Johnson is appointed to serve as a member of the board of directors of Countryside Academy commencing the date upon which the oath of public office is taken.

Ana Johnson  
Eau Claire, Michigan  
research assistant, Spectrum Health  
*(to fill a term ending November 7, 2024)*

### **Detroit Leadership Academy**

Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Detroit Leadership Academy. On July 1, 2018, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The term of Cheryl Mason expired December 2, 2022.

4. The board of the academy and university president or designee have recommended Cheryl Mason for reappointment to a term which expires December 2, 2026.

BE IT RESOLVED, That Cheryl Mason is reappointed to serve as a member of the board of directors of Detroit Leadership Academy commencing the date upon which the oath of public office is taken.

Cheryl Mason  
Southfield, Michigan  
child welfare licensing consultant, State of Michigan, Licensing and Regulatory Affairs  
(to fill a term ending December 2, 2026)

### **Distinctive College Prep**

Recitals:

1. At its April 21, 2022, meeting this board authorized the issuance of a contract to charter as a public school academy to Distinctive College Prep. On July 1, 2022, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The term of Nicole Gaines expires February 1, 2023.
4. The board of the academy and university president or designee have recommended Nicole Gaines for reappointment to a term which expires February 1, 2027.

BE IT RESOLVED, That Nicole Gaines is reappointed to serve as a member of the board of directors of Distinctive College Prep commencing the date upon which the oath of public office is taken, but not prior to February 2, 2023.

Nicole Gaines  
Troy, Michigan  
accountant, Gaines Construction Services  
(to fill a term ending February 1, 2027)

### **Escuela Avancemos!**

Recitals:

1. At its December 6, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Escuela Avancemos! On July 1, 2019, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The terms of Monica Barbour and Andreea Bordeianu expire January 15, 2023.
4. The board of the academy and university president or designee have recommended Monica Barbour and Andreea Bordeianu for reappointment to terms which expire January 15, 2027.

BE IT RESOLVED, That Monica Barbour and Andreea Bordeianu are reappointed to serve as members of the board of directors of Escuela Avancemos! commencing the date upon which the oaths of public office are taken, but not prior to January 16, 2023.

Monica Barbour  
Grosse Pointe, Michigan  
senior attorney and corporate secretary, University of Detroit Mercy  
*(to fill a term ending January 15, 2027)*

Andreea Bordeianu  
Macomb, Michigan  
professional academic advisor, Oakland University  
*(to fill a term ending January 15, 2027)*

### **Explore Academy-Livonia**

Recitals:

1. At its June 24, 2021, meeting this board authorized the issuance of a contract to charter as a public school academy to Explore Academy-Livonia. On October 4, 2021, the contract was effective.
2. This board appointed the initial board of directors of the academy. The current number of positions of this board is five (5).
3. The term of Shanina Draugn expires January 14, 2023.
4. The board of the academy and university president or designee have recommended Shanina Draugn for reappointment to a term which expires January 14, 2027.

BE IT RESOLVED, That Shanina Draugn is reappointed to serve as a member of the board of directors of Explore Academy-Livonia commencing the date upon which the oath of public office is taken, but not prior to January 15, 2023.

Shanina Draugn  
Detroit, Michigan  
principal, Macomb Montessori  
*(to fill a term ending January 14, 2027)*

### **Flex High School of Michigan**

Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Flex High School of Michigan. On May 15, 2018, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The terms of Tamara Valley and Wanda Brown expire January 15, 2023.

4. The board of the academy and university president or designee have recommended Danielle Lepine for appointment to a term which expires January 15, 2027; and Wanda Brown for reappointment to a term which expires January 15, 2027.

BE IT RESOLVED, That Danielle Lepine is appointed to serve as a member of the board of directors of Flex High School of Michigan commencing the date upon which the oath of public office is taken, but not prior to January 16, 2023.

BE IT FURTHER RESOLVED, That Wanda Brown is reappointed to serve as a member of the board of directors of Flex High School of Michigan commencing the date upon which the oath of public office is taken, but not prior to January 16, 2023.

Danielle Lepine  
Flint, Michigan  
workforce literacy coordinator, Action Management Corporation  
*(to fill a term ending January 15, 2027)*

Wanda Brown  
Mount Morris, Michigan  
bursar, Mott Community College  
*(to fill a term ending January 15, 2027)*

### **Island City Academy**

Recitals:

1. At its December 3, 2020, meeting this board authorized the issuance of a contract to charter as a public school academy to Island City Academy. On July 1, 2021, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The term of Barbara Gruesbeck expired August 15, 2022.
4. The board of the academy and university president or designee have recommended Tom Pretzel for appointment to a term which expires August 15, 2026.

BE IT RESOLVED, That Tom Pretzel is appointed to serve as a member of the board of directors of Island City Academy commencing the date upon which the oath of public office is taken.

Tom Pretzel  
Eaton Rapids, Michigan  
framer, Northern Home Improvement  
*(to fill a term ending August 15, 2026)*

### **Ivywood Classical Academy**

Recitals:

1. At its December 6, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Ivywood Classical Academy. On April 4, 2019, the contract was effective.

2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The term of Myranda Fabian expires January 15, 2023.
4. The board of the academy and university president or designee have recommended Myranda Fabian for reappointment to a term which expires January 15, 2027.

BE IT RESOLVED, That Myranda Fabian is reappointed to serve as a member of the board of directors of Ivywood Classical Academy commencing the date upon which the oath of public office is taken, but not prior to January 16, 2023.

Myranda Fabian  
Northville, Michigan  
financial advisor, Plante Moran Financial Advisors  
*(to fill a term ending January 15, 2027)*

### **Jalen Rose Leadership Academy**

Recitals:

1. At its February 14, 2019, meeting this board authorized the issuance of a contract to charter as a public school academy to Jalen Rose Leadership Academy. On July 1, 2019, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is nine (9).
3. The terms of Greg Boll and Dean Brody expire December 15, 2022.
4. The board of the academy and university president or designee have recommended Greg Boll and Dean Brody for reappointment to terms which expire December 15, 2026.

BE IT RESOLVED, That Greg Boll and Dean Brody are reappointed to serve as members of the board of directors of Jalen Rose Leadership Academy commencing the date upon which the oaths of public office are taken, but not prior to December 16, 2022.

Greg Boll  
Northville, Michigan  
general counsel, Bollinger Motors  
*(to fill a term ending December 15, 2026)*

Dean Brody  
Clarkston, Michigan  
managing director, Accenture  
*(to fill a term ending December 15, 2026)*

## **Michigan Educational Choice Center**

### Recitals:

1. At its June 28, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Michigan Educational Choice Center. On July 18, 2018, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is seven (7).
3. The terms of Darnell Boynton and Lester Thomas expire January 15, 2023.
4. The board of the academy and university president or designee have recommended Darnell Boynton for reappointment to a term which expires January 15, 2027; and Lester Thomas for reappointment to a term which expires January 15, 2025.

BE IT RESOLVED, That Darnell Boynton and Lester Thomas are reappointed to serve as members of the board of directors of Michigan Educational Choice Center commencing the date upon which the oaths of public office are taken, but not prior to January 16, 2023.

Darnell Boynton  
Highland, Michigan  
chief corporate compliance officer and general counsel, CNS Healthcare  
*(to fill a term ending January 15, 2027)*

Lester Thomas  
Detroit, Michigan  
campus pastor, Third New Hope Baptist Church  
*(to fill a term ending January 15, 2025)*

## **Oakland FlexTech High School**

### Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Oakland FlexTech High School. On July 1, 2018, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The term of Michael Morgan expired June 1, 2022.
4. The board of the academy and university president or designee have recommended Daniel Sygar for appointment to a term which expires June 1, 2026.

BE IT RESOLVED, That Daniel Sygar is appointed to serve as a member of the board of directors of Oakland FlexTech High School commencing the date upon which the oath of public office is taken.

Daniel Sygar  
Northville, Michigan  
vice president/creative director, Perich Advertising + Design  
*(to fill a term ending June 1, 2026)*

## **Pembroke Academy**

### Recitals:

1. At its February 15, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Pembroke Academy. On April 4, 2019, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The terms of Keith Ledbetter and Jason Puscas expire January 15, 2023.
4. The board of the academy and university president or designee have recommended Keith Ledbetter and Jason Puscas for reappointment to terms which expires January 15, 2027.

BE IT RESOLVED, That Keith Ledbetter and Jason Puscas are reappointed to serve as members of the board of directors of Pembroke Academy commencing the date upon which the oaths of public office are taken, but not prior to January 16, 2023.

Keith Ledbetter

South Lyon, Michigan

president/chief executive officer, Associated Builders and Contractors – Southeast Michigan

*(to fill a term ending January 15, 2027)*

Jason Puscas

Grosse Pointe Woods, Michigan

general counsel, Bollinger Motors

*(to fill a term ending January 15, 2027)*

## **Summit Academy North**

### Recitals:

1. At its February 11, 2021, meeting this board authorized the issuance of a contract to charter as a public school academy to Summit Academy North. On July 1, 2021, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. The term of Kathleen Operhall expires January 8, 2023.
4. The board of the academy and university president or designee have recommended Kathleen Operhall for reappointment to a term which expires January 8, 2027.

BE IT RESOLVED, That Kathleen Operhall is reappointed to serve as a member of the board of directors of Summit Academy North commencing the date upon which the oath of public office is taken, but not prior to January 9, 2023.

Kathleen Operhall

Taylor, Michigan

director of religious education, St. Alfred Catholic Church

*(to fill a term ending January 8, 2027)*

## **The da Vinci Institute**

Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to The da Vinci Institute. On July 1, 2018, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is seven (7).
3. Janis McCleery resigned April 28, 2022, therefore leaving a vacant position on the board of directors. The term of the vacant position expires July 20, 2023.
4. The board of the academy and university president or designee have recommended Scott Majchszak for appointment to a term which expires July 20, 2023, and to an additional term which expires July 20, 2027.

BE IT RESOLVED, That Scott Majchszak is appointed to serve as a member of the board of directors of The da Vinci Institute commencing the date upon which the oath of public office is taken.

Scott Majchszak  
Manitou Beach, Michigan  
environment, health, safety, and security manager, US Staffing Agency  
(to fill a term ending July 20, 2027)

## **CHANGE IN MEMBERS OF BOARD OF DIRECTORS OF SCHOOL OF EXCELLENCE THAT IS A CYBER SCHOOL**

### **Insight School of Michigan**

Recitals:

1. At its December 6, 2018, meeting this board authorized the issuance of a contract to charter as a School of Excellence that is a Cyber School to Insight School of Michigan. On July 1, 2019, the contract was effective.
2. This board appointed the initial board of directors of the academy and has subsequently made changes in the membership of the board of directors of the academy. The current number of positions of this board is five (5).
3. Aaron Jackson resigned April 11, 2022, therefore leaving a vacant position on the board of directors. The term of the vacant position expires November 1, 2026.
4. The board of the academy and university president or designee have recommended Laura Tegels for appointment to a term which expires November 1, 2026.

BE IT RESOLVED, That Laura Tegels is appointed to serve as a member of the board of directors of Insight School of Michigan commencing the date upon which the oath of public office is taken.

Laura Tegels  
Lansing, Michigan



billing clerk, West Side Water System of Lansing Township  
(to fill a term ending November 1, 2026)

## **REAUTHORIZATION OF PUBLIC SCHOOL ACADEMY**

### **Charyl Stockwell Academy**

Recitals:

1. At its April 11, 2013, meeting this board authorized the issuance of a contract to charter as a public school academy to Charyl Stockwell Academy. On July 1, 2013, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of Charyl Stockwell Academy.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to Charyl Stockwell Academy. The term of the contract is recommended for a term not to exceed ten (10) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to Charyl Stockwell Academy for a term not to exceed ten (10) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between Charyl Stockwell Academy and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and Charyl Stockwell Academy is able to comply with all terms and conditions of the contract.

### **Detroit Leadership Academy**

Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Detroit Leadership Academy. On July 1, 2018, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of Detroit Leadership Academy.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to Detroit Leadership Academy. The term of the contract is recommended for a term not to exceed three (3) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to Detroit Leadership Academy for a term not to exceed three (3) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between Detroit Leadership Academy and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and Detroit Leadership Academy is able to comply with all terms and conditions of the contract.

## **Eaton Academy**

### Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Eaton Academy. On July 1, 2018, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of Eaton Academy.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to Eaton Academy. The term of the contract is recommended for a term not to exceed five (5) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to Eaton Academy for a term not to exceed five (5) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between Eaton Academy and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and Eaton Academy is able to comply with all terms and conditions of the contract.

## **Greater Heights Academy**

### Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Greater Heights Academy. On July 1, 2018, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of Greater Heights Academy.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to Greater Heights Academy. The term of the contract is recommended for a term not to exceed three (3) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to Greater Heights Academy for a term not to exceed three (3) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between Greater Heights Academy and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and Greater Heights Academy is able to comply with all terms and conditions of the contract.

## **Linden Charter Academy**

### Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Linden Charter Academy. On July 1, 2018, the contract was effective.

2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of Linden Charter Academy.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to Linden Charter Academy. The term of the contract is recommended for a term not to exceed five (5) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to Linden Charter Academy for a term not to exceed five (5) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between Linden Charter Academy and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and Linden Charter Academy is able to comply with all terms and conditions of the contract.

### **Michigan Educational Choice Center**

Recitals:

1. At its June 28, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Michigan Educational Choice Center. On July 1, 2018, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of Michigan Educational Choice Center.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to Michigan Educational Choice Center. The term of the contract is recommended for a term not to exceed three (3) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to Michigan Educational Choice Center for a term not to exceed three (3) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between Michigan Educational Choice Center and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and Michigan Educational Choice Center is able to comply with all terms and conditions of the contract.

### **North Saginaw Charter Academy**

Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to North Saginaw Charter Academy. On July 1, 2018, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of North Saginaw Charter Academy.

4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to North Saginaw Charter Academy. The term of the contract is recommended for a term not to exceed five (5) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to North Saginaw Charter Academy for a term not to exceed five (5) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between North Saginaw Charter Academy and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and North Saginaw Charter Academy is able to comply with all terms and conditions of the contract.

### **Oakland FlexTech High School**

Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Oakland FlexTech High School. On July 1, 2018, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of Oakland FlexTech High School.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to Oakland FlexTech High School. The term of the contract is recommended for a term not to exceed five (5) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to Oakland FlexTech High School for a term not to exceed five (5) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between Oakland FlexTech High School and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and Oakland FlexTech High School is able to comply with all terms and conditions of the contract.

### **Pembroke Academy**

Recitals:

1. At its February 15, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Pembroke Academy. On April 4, 2019, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of Pembroke Academy.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to Pembroke Academy. The term of the contract is recommended for a term not to exceed seven (7) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to Pembroke Academy for a term not to exceed seven (7) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between Pembroke Academy and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and Pembroke Academy is able to comply with all terms and conditions of the contract.

### **The da Vinci Institute**

Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to The da Vinci Institute. On July 1, 2018, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of The da Vinci Institute.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to The da Vinci Institute. The term of the contract is recommended for a term not to exceed three (3) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to The da Vinci Institute for a term not to exceed three (3) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between The da Vinci Institute and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and The da Vinci Institute is able to comply with all terms and conditions of the contract.

### **The Dearborn Academy**

Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to The Dearborn Academy. On July 1, 2018, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of The Dearborn Academy.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to The Dearborn Academy. The term of the contract is recommended for a term not to exceed five (5) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to The Dearborn Academy for a term not to exceed five (5) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between The Dearborn Academy and the Central Michigan University Board of Trustees, provided that, before execution

of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and The Dearborn Academy is able to comply with all terms and conditions of the contract.

### **Woodland Park Academy**

Recitals:

1. At its April 19, 2018, meeting this board authorized the issuance of a contract to charter as a public school academy to Woodland Park Academy. On July 1, 2018, the contract was effective.
2. The contract of this academy expires June 30, 2023.
3. The Governor John Engler Center for Charter Schools has completed its evaluation and assessment of the operation and performance of Woodland Park Academy.
4. The university president or designee has recommended the reissuance of a contract to charter as a public school academy to Woodland Park Academy. The term of the contract is recommended for a term not to exceed five (5) years.

BE IT RESOLVED, That this board approves and authorizes the execution of a contract to charter as a public school academy to Woodland Park Academy for a term not to exceed five (5) years and authorizes the chair of the board to execute a contract to charter as a public school academy and related documents between Woodland Park Academy and the Central Michigan University Board of Trustees, provided that, before execution of the contract, the university president or designee affirms that all terms of the contract have been agreed upon and Woodland Park Academy is able to comply with all terms and conditions of the contract.

### **FINANCE AND FACILITIES COMMITTEE**

#### **DEFERRED MAINTENANCE PROJECTS 2023-2024**

It was moved by Trustee Beauboeuf, seconded by Trustee Anson and carried that the following resolution be adopted as submitted.

BE IT RESOLVED, That the deferred maintenance projects for fiscal year 2023-2024, as attached, are approved.

BE IT FURTHER RESOLVED, That those individuals identified in section 3.a. and 3.b. of the contracting authority policy are authorized to prefund the deferred maintenance projects, which will result in timely document preparation, early contract awards, more competitive bid estimates and the use of the full construction season to complete the work. Total deferred maintenance allocation of \$5,700,000 from University Reserves, to be reimbursed when the 2023-2024 deferred maintenance funds are available in July 2023.

**CMU DEFERRED MAINTENANCE PROJECTS  
FISCAL YEAR 2023-2024**

<b>Location</b>	<b>Project</b>	<b>Amount</b>
Campus	Annual - Architectural Repairs	\$1,615,000
Campus	Annual - Civil Works	1,205,000
Campus	Annual - Electrical Infrastructure Repair	835,000
Campus	Annual - Mechanical Infrastructure Repair	2,020,000
Campus	Annual - Safety Improvements	25,000
	<b>Total:</b>	<b>\$5,700,000</b>

**PLANNING FOR DEMOLITION OF NORTHWEST APARTMENTS IN 2024**

It was moved by Trustee Heath, seconded by Trustee Sandler and carried that the following resolution be adopted as submitted.

BE IT RESOLVED, That the demolition of Northwest Apartments is approved at a total cost not to exceed \$6,000,000 to be funded from University Reserves.

**LEASE OF MEN’S GOLF AND SOFTBALL TEMPORARY PRACTICE FACILITY: CONSENT AGENDA**

BE IT RESOLVED, That those individuals identified in section 3.a. and 3.b. of the contracting authority policy are authorized to execute a lease agreement for a 12-month lease, with a CMU-controlled option to extend, for an indoor practice facility located in Mount Pleasant, Michigan for a cost not to exceed \$102,000 per year. Funding will be from the Athletics Department operating budget.

**TRAFFIC CONTROL ORDER: NO 22-01: CONSENT AGENDA**

BE IT RESOLVED That CMU Traffic Control Order 22-01, as attached, is approved and becomes effective December 9, 2022, at 12:01 a.m. (or as otherwise indicated) as follows:

That in the below listed areas, speed limits shall be enforced:

- West Campus Drive from Preston Street to Broomfield Road the speed limit is set at 30MPH. (Continuation of TCO 01-1.)
- West Campus Drive from Broomfield Road to Mission Street the speed limit is set at 35 MPH. (TCO 89-1 setting speed in this section of roadway at 30 MPH is rescinded.)
- East Campus Drive from Bellows Street to Preston Street the speed limit is set at 25 MPH. (Continuation of TCO 82-8.)
- East Campus Drive from Preston Street to Broomfield Road the speed limit is set at 30 MPH. (Continuation of TCO 92-14.)
- East Campus Drive from Broomfield Road to West Campus Road the speed limit is set at 35 MPH. (Continuation of TCO 82-8.)
- Ottawa Ct. from Washington Street to the dead end, the speed limit is set at 25 MPH. (Continuation of TCO 14-03.)
- Ojibway Ct. from Washington Street to the dead end, the speed limit is set at 25 MPH. (Continuation of TCO 14-04.)

- Calumet Ct. from East Campus Dr. to the dead end, the speed limit is set at 15MPH. (Continuation of TCO 21-06.)

Any driver operating in violation of this order shall be in violation of “An Ordinance to Govern and Control Parking, Traffic and Pedestrians at Central Michigan University” or applicable state law.

**STATE CAPITAL OUTLAY REPORT AND PROJECT REQUEST FOR 2023-2024: CONSENT AGENDA**

BE IT RESOLVED, That the 2023-2024 capital outlay report and project request submitted by the university to the State Budget Office is approved as submitted. A copy of the final document will be on file in the Office of the Secretary.

**FISCAL YEAR 2024  
CAPITAL OUTLAY PROJECT REQUEST**

*Institution Name:* CENTRAL MICHIGAN UNIVERSITY

*Capital Outlay Code:* TBD

*Project Title:* BROOKS HALL RENOVATION

*Project Focus:*     Academic         Research         Administrative/Support

*Type of Project:*  Renovation     Addition         New Construction

*Approximate Square Footage:* 128,000

*Total Estimated Cost:* \$39,700,000

*Estimated Duration of Project:* Design: 9 months; Construction: 18 months

*Is the Five-Year Plan posted on the department/s public Internet site?* Yes

*Is the request project included in the Five-Year Capital Outlay Plan?* Yes

**Project Purpose**

Brooks Hall was constructed in 1964 as the primary location for Central Michigan University’s science departments and programs. Since the building’s original construction, the pedagogy, laboratory safety standards, and technological developments in science have drastically changed, and will continue to evolve in the future.

The proposed project will convert an existing, well-built 58-year-old facility into a modern, safe, energy-efficient facility that supports effective teaching, learning, and research in high-demand fields of science and engineering.

Brooks Hall does not meet today’s requirements for teaching, learning, research, or laboratory safety in the sciences. Nor does it meet modern standards for energy efficiency. The proposed renovation of Brooks Hall will improve safety for building users, enhance energy efficiency, increase the amount of high-quality research and educational space, and provide a centralized location for the College of Science and Engineering’s Student Success Center in the academic core of Central Michigan University’s campus.

The project will include heating, ventilation, and air conditioning improvements, as well as modernization to enhance air quality and energy efficiency. These changes in air handling and exhaust will improve indoor air quality for students, faculty and staff learning and working in the facility.

CMU completed a space utilization study in 2021, which demonstrated that laboratory space for science, technology, and engineering is insufficient. The Brooks Hall renovation will address this requirement by upgrading the laboratory, teaching, and advising spaces to meet the modern educational mission in these



fields. Students in science, technology, and engineering majors will be directly impacted, as will many other students who will fulfill their general science education requirements in Brooks Hall. The requested renovations will enable CMU to produce Michigan's workforce of tomorrow – a workforce prepared to design and build electric vehicles, help society adapt to changing weather patterns, provide effective healthcare to all citizens, ensure a clean water supply, and create new technologies that enhance the quality of life.

When renovated, Brooks Hall will house:

- Academic programs in astronomy, environmental engineering, environmental science, geology, meteorology, and neuroscience, as well as biology courses taken by students pursuing degrees in science and health professions and students completing general education requirements.
- Modernized instructional classrooms, instructional laboratories, research laboratories and support spaces including a new vivarium with bioexclusion zones to advance important activities in the programs listed above, with support for interdisciplinary programs, grants, and contract work.
- A new collaborative space called AML-CME, the Advanced Manufacturing Laboratory for the Central Michigan Economy, will enable the people and industries in the central part of the state to fully realize the promise of advanced manufacturing. Advanced manufacturing is characterized by the rapid translation of technology into the manufacturing enterprise, especially as encompassed in the principles of Industry 4.0 in which the cyber and physical worlds are more closely integrated (e.g., automation, control, robotics, augmented reality, machine learning, digital twinning). The AML-CME will not only support CMU's exciting new degree programs in computer science, data science, and engineering, but also will be a hub for workforce development in local industry through non-traditional upskilling and credentialing programs.
- A centralized Science and Engineering Student Success Center that will offer services including academic advising, tutoring, success coaching and career services. These proactive initiatives have been demonstrated to enhance students' academic success.
- Space for the Office of Laboratory and Field Safety, including a dedicated area for safe handling of chemical waste.

### **Scope of the Project**

The scope of the proposed Brooks Hall Renovation will be the modernization of the 128,000 square foot facility to include updates and enhancements to provide:

- Instructional classrooms and laboratories used by all undergraduate students.
- Research laboratories and Lab Safety functions, including a centralized office and enhanced chemical waste storage and handling.
- A new collaborative space called AML-CME, the Advanced Manufacturing Laboratory for the Central Michigan Economy, will enable the people and industries in the central part of the state to fully realize the promise of advanced manufacturing.
- A centralized Student Success Center for the College of Science and Engineering.
- Updated infrastructure to ensure the current standards for building and laboratory mechanical, electrical, and plumbing systems are met.
- Replacement of existing infrastructure systems including replacement of interior lighting, secondary electrical distribution, domestic piping and sanitary systems and hydronic piping, pumps, and controls to support a new four pipe HVAC system.

Building envelope replacements and repairs including roofing and masonry, energy efficient windows and exterior doors. Interior finish replacements including ceilings, doors, and flooring.

- Additional renovations to ensure the facility meets current ADA standards and other best practices that are vital to the student experience including restroom upgrades, door and hardware replacement and elevator upgrades.

- Enhancing the technology in the instructional and research spaces.
- Historically, CMU has invested in maintaining the Brooks Hall infrastructure. The University will continue to ensure the building will meet the needs of today and tomorrow's students.

The Brooks Hall renovation project is to include new mechanical, electrical and/or plumbing infrastructure to support the new vivarium and the re-programmed research laboratories (including Rock Grinding, Chemical, Biology, and General Science Flexible Labs), and the Chemical Waste Storage Area. Additional infrastructure improvements in the project are to include new exterior windows, new exterior doors at the primary entrances, an elevator modernization, and an electrical generator replacement.

Proposed additional infrastructure modernization is to include installation of Direct Digital Controls; replacement of select dampers and ducts, Variable Air Ventilation (VAV) boxes, exhaust fans, heat pumps, heat exchange equipment, tanks, pumps, and valves; replacement of select chilled water piping and valves, replacement of select domestic piping, valves, and equipment; replacement of select sanitary and storm sewer piping.

### **Program Focus of Occupants**

Upon the completion of the Brooks Hall Renovation project, the facility will accommodate:

- Academic programs in astronomy, environmental engineering, environmental science, geology, meteorology, and neuroscience, as well as biology courses taken by students pursuing degrees in science and health professions as well as students completing general education requirements.
- Modernized instructional classrooms, instructional laboratories, research laboratories and support spaces to advance important activities in the programs listed above, with support for interdisciplinary programs, grants, and contract work.
- A new collaborative space called AML-CME, the Advanced Manufacturing Laboratory for the Central Michigan Economy, will enable the people and industries in the central part of the state to fully realize the promise of advanced manufacturing. The AML-CME will not only support CMU's exciting new degree programs in computer science, data science, and engineering, but also be a hub for workforce development in local industry through non-traditional upskilling and credentialing programs.
- A centralized Science and Engineering Student Success Center that will offer services including academic advising, tutoring, success coaching and career services.
- Space for the Office of Laboratory and Field Safety, including a dedicated area for safe handling of chemical waste.

### **How does the project support Michigan's talent enhancement, job creation and economic growth initiatives on a local, regional and/or statewide basis?**

Jobs in science related fields continue to grow, and students are increasingly interested in these programs. Science was cited as a primary area of interest by 37 percent of the CMU incoming freshman class, and most of those students will take classes in Brooks Hall. The renovated spaces will keep students excited and engaged, increasing retention and enrollment in science, technology, and engineering programs. Programs housed in Brooks Hall include astronomy, environmental engineering, environmental science, geology, and meteorology. Biology also has an essential presence in Brooks Hall that enables the teaching of foundational laboratory-based courses.

The above-mentioned academic programs located in Brooks Hall produce graduates who go directly into high-paying positions in fast-growing fields like the ones listed below (all data from the US Bureau of Labor Statistics - <https://www.bls.gov/>; current median value of annual salary; projected growth of job market over the period 2021-2031).

- Atmospheric Scientist (incl. Meteorologist): \$94,570; 4 percent growth
- Biochemist: \$102,270; 15 percent growth
- Geoscientist: \$83,680; 5 percent growth
- Environmental Engineer: \$96,820; 4 percent growth
- Environmental Scientist: \$76,530; 5 percent growth
- Microbiologist: \$79,260; 9 percent growth
- Physicists and Astronomers: \$147,450; 8 percent growth

Furthermore, the academic programs in Brooks Hall provide the foundational science and technology courses for the following professions found on the list of Michigan's high-demand, high-wage jobs from the Bureau of Labor Market Information and Strategic Initiatives (all data from [https://milmi.org/\\_docs/publications/CareerOutlook\\_Statewide\\_2030.pdf](https://milmi.org/_docs/publications/CareerOutlook_Statewide_2030.pdf); hourly salary range; annual growth).

- Physician Assistants: \$48-62/per hour; 31.9 percent growth
- Physical Therapists: \$36-\$48/per hour; 18.5 percent growth
- Nurse Practitioners: \$48-\$60/per hour; 50.7 percent growth
- Medical Scientist: \$29-\$50/per hour; 20.2 percent growth

The recent addition of an environmental engineering (ranked #6 in Best Engineering Jobs and #28 in Best STEM Jobs) program will benefit greatly from this project. The program is already producing graduates with in-demand skills, especially in water quality, waste management, and sustainability. On a national level, employment of environmental engineers is projected to grow 4 percent from 2021 to 2031. The growth rate in Michigan is currently outpacing the national average by about 50%. In addition, this program is expected to significantly increase the participation of women in engineering, a point of emphasis for the College of Science and Engineering. Moreover, even though environmental engineering is a very new program, all its faculty members were able to secure federal funding to undertake research to help protect the environment and quality of life in Michigan and beyond.

The Advanced Manufacturing Laboratory for the Central Michigan Economy (AML-CME) is a new addition to Brooks Hall, to be created during this renovation. The overall purpose of the AML-CME is to enable the people and industries in the central part of the state to fully realize the promise of advanced manufacturing. Advanced manufacturing is characterized by the rapid translation of technology into the manufacturing enterprise, especially as encompassed in the principles of Industry 4.0 in which the cyber and physical worlds are more closely integrated (e.g., automation, control, robotics, augmented reality, machine learning, digital twinning). The AML-CME will not only support CMU's exciting new degree programs in computer science, data science, and engineering, but also be a hub for workforce development in local industry through non-traditional upskilling and credentialing programs. The creation of the AML-CME increases the scope of the Brooks Hall renovation project to touch the following professions found on the list of Michigan's high-demand, high-wage jobs from the Bureau of Labor Market Information and Strategic Initiatives (all data from [https://milmi.org/\\_docs/publications/CareerOutlook\\_Statewide\\_2030.pdf](https://milmi.org/_docs/publications/CareerOutlook_Statewide_2030.pdf); hourly salary range; annual growth).

- Computer & Information Systems Managers: \$49-\$78/per hour; 7.6 percent growth
- Data Scientists & Mathematical Science Occupations: \$30-\$49/per hour; 29.4 percent growth
- Electrical Engineers: \$37-\$58/per hour; 8.2 percent growth
- Mechanical Engineers: \$37-\$49/per hour; 10.1 percent growth
- Software Developers & Quality Assurance Analysts: \$37-\$58; 22.8 percent growth

A renovated Brooks Hall also will be home to the College of Science and Engineering's Student Success Center. This center will be a high-profile space dedicated to undergraduate student success and achievement. Services provided include academic advising, career services, internship placements and tutoring. Time spent with advisors is proven to increase retention and persistence and gives students a focused plan for timely degree completion.

Additionally, a new collaborative workspace for students will be included in the project. Research clearly shows that engaged students are more likely to succeed in their studies. This has also been our experience at CMU with the Biosciences Building, whose modern design has been linked to higher academic success rates for students. This modernized and upgraded space in Brooks Hall will maximize student engagement with faculty and peers, expand active teaching and learning, and promote collaborative work. This activity is essential to preparing students for success in the professional world, while increasing performance outcomes such as retention and graduation.

CMU prides itself on serving the students, parents, and taxpayers of the state of Michigan. Nearly 91 percent of on-campus undergraduate students come from Michigan, sharing a natural and deep interest in serving the state's communities and residents. In fact, about 70 percent of CMU alumni — more than 145,000 — choose to live and work in the state, in turn improving lives, the economy and communities.

CMU has a robust Career Development Center that has built extensive relationships with employers across the state and supports the employment efforts of recent graduates as well as alumni. Employers post more than 40,000 jobs a year through the university's Career Development Center.

### **How does the project support core academic, development of critical skill degrees, and/or research mission of CMU?**

This project request focuses on enhancing the core academic and research missions of CMU.

*Academic Programs:* The Brooks Hall renovation will provide a modern facility for students in many fields of science. Thirty-seven percent of CMU new, first year students cite science as a primary area of interest. The enhanced and modernized classrooms and laboratories will foster innovative teaching and learning in environmental engineering, environmental science, meteorology, astronomy, geology, and neuroscience, in addition to biology. The proposed addition of the Advanced Manufacturing Laboratory for the Central Michigan Economy (AML-CME) during the Brooks Hall renovation will enable new programs in cybersecurity and data science (started fall 2022), as well as five existing engineering and technology programs. The nature of the AML-CME promotes collaboration with local industry, enabling new programs in the non-traditional credit space (badges, micro credentials, upskilling) through CMU's Innovation & Online unit.

The AML-CME will be equipped with the latest technology in targeted areas. Specific items include: two 3D metal printers, one of the more established selective-laser-melting type and the other of the novel cold-spray type; a desktop CT scanner that analyzes 3D printed parts to verify tolerances and integrity of inner volumes, making it useful for quality control and researching new printing processes; a major upgrade to the CMU robotics laboratory, including the purchase of two "cobot" (lightweight robot) arm devices for automated manufacturing; a dedicated machine learning cluster to serve the robotics laboratory and cybersecurity projects; three educational units in the areas of hydraulic power and electric motors; and a standalone system of wireless network and switches, used for embedded systems, Internet of Things (IOT) components, and digital systems. Renovation of Brooks Hall is necessary for the installation of the AML-CME, as the facility will not support such equipment in its current state. We expect to triple our level of engagement (internships, jobs, student, and faculty projects, etc.) with regional industry through this state-of-the-art facility.

*Critical Skills:* CMU is a major contributor to meeting the State of Michigan's goals of critical skills education. During FY22, CMU conferred 1,220 degrees to students graduating with majors in critical skills programs. Furthermore, CMU's fall term 2021 headcount enrollment included 3,671 students with authorized majors in critical skills areas and another 1,416 students who plan to major in critical skills fields such as biological and biomedical sciences, computer information systems, engineering, engineering technology, health professions, mathematics and statistics, natural resources and conservation, physical sciences, and science technologies.

Critical skills programs tend to be some of the most intellectually challenging majors on campus. As such, significant academic advising, and support are needed to ensure that we are recruiting and retaining students in these fields. The renovation includes the creation of a dedicated location for the College of Science and Engineering Student Success Center that will house academic advisors as well as space for tutoring and career services. In addition, spaces for students to study and collaborate will be incorporated throughout the building to enhance its academic character and appeal to students. These features will help with recruiting students to STEM disciplines at CMU and enhancing their academic success.

*Student Success:* The renovation includes the creation of a dedicated location for the College of Science and Engineering Student Success Center that will house academic advisors as well as space for tutoring and career services. In addition, spaces for students to study and collaborate will be incorporated throughout the building to enhance its academic character and appeal to students. These features will help recruit students to STEM disciplines at CMU and enhance their academic success.

*Research:* The renovation will enhance research laboratories in environmental science and engineering. Importantly, it also includes a bioexclusion zone vivarium to support critical research in neuroscience and biomedical sciences. This type of vivarium provides greater efficiency in research and mitigates the possibility of exposing animals to other contaminants during research studies. Research performed in the current facilities is limited because CMU does not have such a vivarium. These enhancements will increase opportunities for student research as well. Unlike many research universities, CMU is committed to providing opportunities for undergraduate students to engage in original research with faculty mentors. In the last three years, more than 600 science and engineering undergraduate students participated in faculty-led research projects and nearly 100 of those students were co-authors on published scientific papers.

The proposed facility will foster greater collaboration among faculty, staff, students, and community partners. Early interdisciplinary research in the classroom often burgeons into student opportunities serving around the state, partnering in field work with the Great Lakes Restoration Initiative to advance important research on the health of plants, animals, and water quality in approximately 1,000 Great Lakes coastal wetlands. Hundreds of governmental and environmental groups in the United States and Canada have requested data from the wetlands monitoring program. Students, through a strong academic foundation built with faculty and peers in the courses and labs in Brooks Hall, can build advanced experiences and will go on to be the next generation of scientists, engineers, and health professionals. The ability to offer students these types of experiences fulfill CMU's mission of fostering personal and intellectual growth to prepare students for productive careers, meaningful lives, and responsible citizenship in a global society.

**Is the requested project focused on a single, stand-alone facility? If no, please explain.**

Yes, the Brooks Hall Renovation project is a stand-alone facility.

**How does the project support investment in or adaptive re-purposing of existing facilities and infrastructure?**

This renovation will become a showcase facility for all CMU students, while keeping fiscal responsibility of finite State and University resources at the forefront of decision making. This project will revitalize a

structurally sound 58-year-old building, completing the modernization of its infrastructure and support systems. This renovation will improve the environmental quality of the building and increase the energy efficiency of systems. The renovation will enhance laboratory safety, including chemical waste handling.

The overall goal is to enhance the space to meet the needs of students and researchers today and in the future. The skills students attain in Brooks Hall are the foundation of their academic knowledge in many fields of science. Their time spent in Brooks Hall plays a critical role in helping them grow personally and intellectually as they decide on a career path, often in science, medicine, and other health professions.

The renovation will far better utilize the existing space. Master planning efforts identified efficiencies to be gained in this building, while also allowing for better laboratory space with cutting-edge technology critical for scientific research, as well as support space for students, researchers, and academic programs. This renovated facility also will allow for a centralized bioexclusion zone vivarium for research in medicine and neuroscience.

**Does the project address or mitigate any current health/safety deficiencies relative to existing facilities?**

Yes. A key component of the Brooks Hall renovation will be the enhancement of safety in the existing facilities. The current building was constructed in 1964 and the laboratory space was built to meet standards of that era. Modern design processes will eliminate inefficiencies in the building's mechanical systems and implement optimal improvements. The facility will meet increasingly stringent regulations, including those for expanded ADA compliance. Infrastructure upgrades will include all necessary environmental work.

The Brooks Hall renovation will also enhance the ability to more safely process chemical and hazardous waste for disposal. Currently, this activity is carried out in the chemistry stockroom, which has a very small hood and limited bench space. A suitable dedicated room for waste processing will isolate activity away from the current preparation and chemical storage areas, which have a high degree of daily foot traffic.

**How does CMU measure utilization of its existing facilities, and how does it compare relative to established benchmarks for educational facilities? How does the project help to improve the utilization of existing space and infrastructure, or conversely how does current utilization support the need for additional space and infrastructure?**

CMU completed a space utilization study in 2021, which demonstrated that laboratory space for the sciences is insufficient. The Brooks Hall renovation will address this requirement, including the need for undergraduates, as it houses the biology courses taken by first year students studying sciences and students taking science courses as part of their general education requirements, as well as for students pursuing degrees in science and/or health professions. An updated Brooks Hall will be better equipped to engage and foster the science majors and health professionals of tomorrow.

**How does CMU intend to integrate sustainable design principles to enhance the efficiency and operations of the facility?**

The project will be built utilizing design standards that incorporate sustainable technology and practices ensuring that proven energy and environmental improvements will be implemented across all aspects of the design and construction of this project.

Primary components of sustainable design for the Brooks Hall Renovation project include:

- Energy recovery will be implemented resulting in significant energy savings over the existing hoods, which currently operate on individualized fans with 100 percent outside air.

- Controls upgrade resulting in improved operations, occupant comfort, the ability to schedule spaces and improved energy control.
- Upgraded lighting controls throughout the facility, including areas such as classrooms and offices. In addition, new lighting controls for common spaces such as hallways.
- The addition of LED lighting in key locations throughout the building.
- Installation of high-performance glass on external windows, replacing the current single-pane windows.
- Enhanced commissioning is a standard practice for CMU.
- Sustainable design principles will be used in the design and construction of the project. The project will be reported and measured using the LEED Green Building Rating System, in accordance with the DTMB Capital Outlay Design Manual.

**Are matching resources currently available for the project? If yes, what is the source of the matching resources? If no, identify the intended source and the estimated timeline for securing said resources.**

Yes, CMU plans to use available university construction reserves for this project. CMU is also working to secure additional private/foundation gifts and industry partners to offset the construction costs of the renovation, which is one of the university's master plan priorities. CMU is committed to this project and looks forward to working with the state to provide our students with modernized facilities to enhance their opportunities for success in high demand fields of science and engineering, while also fulfilling employer needs across the state.

**If authorized for construction, the State typically provides a maximum of 75% of the total cost for university projects. Does the institution intend to commit additional resources that would reduce the State share from the amounts indicated?**

CMU will provide the 25 percent match and fund all non-allowable costs associated with the project.

**Will the completed project increase operating costs to CMU?**

The proposed Brooks Hall renovation project will not increase operating costs for Central Michigan University. The project goal is that CMU will be able to lower operating costs for the building through sustainable design, LEED practices, and sound engineering principles such as energy recovery and control improvements.

**What impact, if any, will the project have on tuition costs?**

There will be no impact to tuition costs at Central Michigan University related to the renovation of Brooks Hall.

**If this project is not authorized, what are the impacts to the institution and its students?**

This project is essential to the continued success of CMU students, faculty and staff who utilize Brooks Hall. The current, outdated spaces of this facility are heavily utilized, but faculty and student research are limited by the capabilities of the current facility, and by the high demand of other similar facilities on campus.

This project is critically important to enhance the space to meet the needs of students today and in the future. Without this renovation, research, and laboratory space (including vivarium space) will continue to be limited, minimizing student and faculty research. In addition, the ability to expand program offerings in the fields of environmental engineering and medical related fields will be limited and strained for the necessary space to provide instructional and research opportunities.

To continue to be competitive in the higher education marketplace, CMU must continue to evolve its facilities to attract students and provide them with high-level educational opportunities. These students are looking for not only state-of-the-art facilities and technology, but also research opportunities they cannot find elsewhere.

**What alternatives to this project were considered? Why is the project preferable to those alternatives?**

In December 2021, the CMU Board of Trustees approved a 10-year campus master plan and capital projects list following an extensive, campus wide review of options and alternatives. The 10-year list was developed by a cross-campus team of faculty and staff based on input from many on-campus and community stakeholders.

The Brooks Hall renovation is a top priority on that list, based on safety needs, student demand, laboratory usage, scholarly research opportunities and state needs. Thirty-seven percent of CMU new, first year students cite science as a primary area of interest. This project was chosen due to student demand and the extensive need to update the facility to meet the learning space requirements of students today and in the future.

Several other projects were considered including the renovation of Pearce Hall, which opened in 1967. Pearce Hall serves many students in their first two years of coursework and is the home of programs such as mathematics, computer science, and world languages and cultures. While both facilities need substantial renovations, Brooks Hall was chosen due to high demand in the sciences, significant research opportunities that are limited by the availability and quality of laboratory space, and the job demands of employers. As such, this proposed capital outlay project will further Central’s and Michigan’s leadership in the sciences.

**Central Michigan University  
Fiscal Year 2024 Capital Project Request  
Recommended Five-Year Master Plan Components**

**I. Mission Statement**

At Central Michigan University, we are a community committed to the pursuit of knowledge, wisdom, discovery and creativity. We provide student-centered education and foster personal and intellectual growth to prepare students for productive careers, meaningful lives and responsible citizenship in a global society.

– Adopted by the CMU Board of Trustees, December 2, 2010

**University Vision Statement**

Central Michigan University, an inclusive community of scholars, is a national leader in higher education, inspiring excellence and innovation.

– Adopted by the CMU Board of Trustees, December 6, 2012

**Core Values**

To achieve our mission, we adhere to the core values of integrity, respect, compassion, inclusiveness, social responsibility, excellence and innovation.

– Adopted by the CMU Board of Trustees, December 2, 2010

**II. Instructional Programming**

A. Existing Academic Programs and Projected Changes:



Central Michigan University (CMU) has grown from a teachers' college founded in 1892 to being a R2 – Doctoral Universities: High Research Activity institution. CMU is among the top 200 largest four-year public institutions in America and offers more than 200 academic programs at the undergraduate, masters, specialist, and doctoral levels. Its nationally acclaimed degrees include programs ranging from the health professions and biosciences to business and communications.

The proposed capital project would further the university's commitment to the pursuit of knowledge, wisdom, discovery and creativity. The project would assist students in fostering personal and intellectual growth through their studies in the sciences. The renovation of Brooks Hall would benefit all students in the College of Science and Engineering, as well as students in every major across the university as they fulfill their general education program. Specific programs that would benefit from the renovation include:

- Astronomy
- Biology
- Environmental Engineering
- Environmental Sciences
- Geology
- Meteorology
- Neuroscience

Nearly 750 CMU students are majoring in programs such as those cited above. Also, 37 percent of new, incoming students admitted to CMU as part of the fall 2021 first-year class indicated an interest in science.

CMU is actively exploring the development of many innovative programs — whether in preliminary discussion or in some stage of approval and implementation — including:

- Data Science
- Health Information Management
- Technology Management

These programs would include on-campus programs and in some cases, have the potential for implementation in collaboration with other colleges and universities.

CMU's current degree listing is:

Bachelor of Arts  
Bachelor of Applied Arts  
Bachelor of Science in Electrical Engineering  
Bachelor of Science in Engineering Technology  
Bachelor of Science in Environmental Engineering  
Bachelor of Fine Arts  
Bachelor of Individualized Studies  
Bachelor of Science in Mechanical Engineering  
Bachelor of Music  
Bachelor of Music Education  
Bachelor of Science  
Bachelor of Science in Athletic Training  
Bachelor of Science in Business Administration  
Bachelor of Science in Computer Engineering  
Bachelor of Science in Education  
Bachelor of Science in Nursing

Bachelor of Social Work  
Master of Arts  
Master of Business Administration  
Master of Entrepreneurial Ventures  
Master of Health Administration  
Master of Music  
Master of Public Administration  
Master of Public Health  
Master of Science  
Master of Science in Administration  
Master of Science in Athletic Training  
Specialist in Education  
Specialist in Psychological Services  
Doctor of Audiology  
Doctor of Education  
Doctor of Educational Technology  
Doctor of Health Administration  
Doctor of Medicine  
Doctor of Philosophy  
Doctor of Physical Therapy

The university's academic planning process involves an analysis of the needs of students and the demands of public- and private-sector employment markets. Thus, the potential for new and/or revised academic programs reflects a continuous feedback cycle in the university's planning system.

B. Institutional Characteristics:

- CMU offers 200 academic degree programs and serves nearly 15,000 on-campus, online and satellite location students throughout the year (annual unduplicated headcount).
- U.S. News & World Report ranked Central Michigan University fourth among Michigan public colleges and universities in the 2022-2023 edition of Best Colleges, with special recognition for excellence in programs including engineering and computer science.
- CMU is a R2 – Doctoral Universities: High Research Activity institution. In 2016, the Higher Learning Commission reaffirmed our accreditation until 2025, giving CMU the highest-possible marks in every evaluation area.
- CMU is one of only four Celonis Academic Centers of Excellence in the nation, recognized for excellence in process mining.
- CMU has been recognized as a National Center of Academic Excellence in Cybersecurity by the National Security Agency. Cybersecurity is one of the fastest-growing, in-demand jobs in the United States.
- CMU was founded in 1892 to address Michigan's shortage of teachers and business leaders. We continue our legacy of meeting Michigan's workforce needs with outstanding programs in health professions, engineering, teacher education, computer

science, business information systems, accounting, physician assistants, entrepreneurship and more.

- The CMU College of Medicine was established to address a shortage of physicians in rural and medically underserved communities, and more than half of CMU College of Medicine graduates remain in Michigan. CMU graduated its 500<sup>th</sup> physician in May 2022.
- CMU is home to the longest-standing audiology program in the country and Michigan's first entrepreneurship and leadership minors.
- CMU offers more leadership programming than any other institution in Michigan, empowering students to drive powerful positive change in their careers and their communities. CMU fuels leadership skills such as communication, collaboration, and critical/innovative thinking, through programs such as Leadership Safari, which traditionally immerses about 1,200 incoming students in a leadership experience before classes start, and the Leader Advancement Scholarship program.
- CMU offers students opportunities to engage in more than 400 registered student organizations including student chapters of professional organizations, club sports, Greek Life and more.
- More than 150 U.S. flag officers hold CMU degrees, and the university has been named a Gold-Level Veteran-Friendly School with the Michigan Veterans Affairs Agency for three consecutive years.
- In its 2022 Best for Vets survey of 311 schools, the independent magazine Military Times ranked CMU 3<sup>rd</sup> best in Michigan based on costs, programs, policies, and services that impact military-connected students. The magazine also weighs federal data from the U.S. Departments of Education, Veterans Affairs, and Defense.
- Engaged citizenship is part of the CMU mission, and students actively seek opportunities to lead and serve in their communities. CMU is ranked first in the nation for its Alternative Breaks program, which engages students in hands-on community service in cities nationwide. The 2022 Break Away report ranked CMU first among all universities for the number of annual trips and the number of students participating in service breaks.
- Employers say they actively recruit CMU graduates for open positions because CMU Chippewas are knowledgeable, skilled and Fired Up to make a difference. These employers post more than 40,000 jobs a year through the university's Career Development Center.
- CMU ranks sixth among R2 universities in the Midwest for the highest earning females under 40 by [Steppingblocks](#).
- CMU enrolls students from nearly every county in Michigan. More than 90 percent of on-campus undergraduate students are from the state.
- CMU Innovation & Online offers online programs to students around the world, as well as degree programs at more than 15 locations in the United States and Canada.

CMU remains committed to those who serve our country by offering programs online and at two military bases as well as offering reduced military tuition rates.

Highlights of CMU's science and engineering programs include:

- CMU recently launched an environmental engineering bachelor's degree program. The program is already producing graduates with in-demand skills, especially in water quality, waste management, and sustainability. On a national level, employment of environmental engineers is projected to grow 4 percent from 2021 to 2031. The growth rate in Michigan is currently outpacing the national average by about 50%. In addition, this program is expected to significantly increase the participation of women in engineering, a point of emphasis for the College of Science and Engineering.
- CMU leads the way in research to sustain and manage the world's largest supply of fresh water, with \$30 million from the U.S. Environmental Protection Agency to monitor and assess Great Lakes coastal wetlands. CMU's Institute for Great Lakes Research is led by biology professor Don Uzarski.
- The College of Science and Engineering faculty has secured \$7.15M in external funding in FY22 to support their research activities over a total of 49 independent projects. Notable new external grants awarded in the last year include \$600,000 from the U.S. Department of Energy (DOE) for research in the area of nuclear astrophysics (led by Physics professors G. Perdikakis, A. Estrade, M. Redshaw, and M. Horoi) and \$355,183 for work related to novel quantum materials (led by Physics professor V. Petkov); \$355,000 from the Saginaw Chippewa Indian Tribe, Bureau of Indian Affairs, and U.S. Department of Interior for holistic evaluation of Chippewa River (led by Biology professors D. Woolnough and H. Carrick); and \$344,393 from the National Science Foundation for Nuclear Magnetic Resonance instrument (led by Chemistry and Biochemistry professors B. Swarts, C. Lee, A. Mueller, J. Tomasik, W. Du).
- College of Science and Engineering is home to one of thirteen Computational Chemical Sciences Centers in the U.S. funded by the Department of Energy Office of Science. The CMU center, led by Physics faculty K. Jackson and J. Peralta, are leading a five-university partnership that received grants of \$4.8 million in 2017 and \$5 million in 2021 to develop a new computational approach to modeling the properties of molecules and solids. Students working on the project combine physics with ideas from computer science, chemistry, and materials science to spur progress in applications such as artificial photosynthesis and quantum computing.
- Faculty from the Department of Biology (E. Alm and R. Uzarski), Engineering (M. Williams), and the College of Medicine (M. Conway, lead PI) obtained \$1.7 million from the Michigan Department of Health and Human Services to study CoVID-19 in wastewater.
- CMU's College of Science and Engineering has added new majors in cybersecurity and data science. Demand for both programs is predicted to increase at least 30% during the next decade.
- Dr. Carl Lee, professor in the Department of Statistics, Actuarial and Data Sciences was named 2022 Michigan Association of State Universities (MASU) Distinguished Professor of the Year.

- Among CMU chemistry, biochemistry, physics and astronomy graduates, 100 percent are engaged in research projects. Also, 100 percent of engineering and engineering technology graduates completed senior design projects.
- College of Science and Engineering student Macy Knoblock earned the prestigious Goldwater Scholarship, which supports students pursuing research careers in natural sciences, math, and engineering. The scholarship was created by the U.S. Congress in 1986 and is only given to 410 students each year.
- Eric Urbaniak, Department of Biology undergraduate student, received the highly competitive national Udall Scholar award. The award recognizes students who exemplify leadership, dedication to public service, and commitment to issues related to Native American nations and/or the environment. The scholarship is awarded to only 55 students each year.
- CMU is home to Central Sustainability, a student-led organization to implement more sustainable practices across campus. The outstanding work by this group has been recognized with national awards.

C. Other Initiatives and Their Impact on Facilities Usage: CMU completed the following campus construction projects over the past four years. The projects enhanced instructional, research and student collaboration space across campus.

The Culinary Nutrition Center provides a modern learning environment for the university's Nutrition and Dietetics program within the School of Rehabilitation and Medical Sciences and The Herbert H. and Grace A. Dow College of Health Professions. Located in Wightman Hall, this center transformed the outdated food laboratory into a state-of-the-art nutrition science technology classroom enhancing the educational experience for students, faculty, and community partners via both student-led and faculty outreach programs.

CMU's \$26 million, 50,000-square-foot Center for Integrated Health Studies empowers students from multiple high-demand fields of study to learn and practice together, a best practice in health care education. The building opened for classes and research activity in January 2020.

CMU's Biosciences Building added essential wet lab research and classroom space in the biosciences area. The four-story, 169,000 square foot building includes active-learning classrooms, a vivarium to replicate aquatic conditions for research, a molecular biology core, an isotope laboratory, an imaging center for scanning and transmission electron microscopes, an herbarium and a staging and processing storage area for ecological fieldwork. The project was completed in September 2016 and classes started in January 2017.

Grawn Hall's recent renovation brought CMU's longest-serving building into the future. Grawn Hall was built in 1915. The recent \$10.8 million renovation updated 16,200 square feet of the building and added 6,600 square feet. A large portion of the new space is intended for student collaboration with mediated study rooms and Skype-ready "huddle" spaces. In addition, classrooms were modernized, and the new atrium provides flexible space for events as well. More than 4,000 students learn and build their futures in Grawn Hall each day.

CMU also continues to repurpose facilities as new academic programs and initiatives are implemented. For example, CMU has installed state-of-the-art active learning classrooms in Pearce Hall and the Dow Sciences Building and a Bloomberg financial trading floor in

Grawn Hall. In 2021, CMU completed renovations to Pearce Hall with the installation of four data labs and completed an Adobe Digital Lounge in the Park Library.

D. Economic Development Impact: CMU and its programs have a direct impact on economic development in the State of Michigan.

Historical data show about 70 percent of CMU graduates choose to live and work in Michigan. More than 145,000 CMU alums currently reside in Michigan and contribute to the state's economy.

The University's business programs (e.g., entrepreneurship) are one example of those that have a direct impact on economic development. While at CMU, students can take part in a New Venture Competition where they develop an entrepreneurial mindset, learn business start-up techniques, and develop business ideas. Workshops assist students along the way and as they prepare proposals to be judged on innovation and viability. The New Venture Competition typically awards between \$75,000 and \$100,000 to outstanding students so they can move their ideas forward to fruition. Over 50 student-led ventures launched into new businesses over the past nine years.

In the sciences, as another example, undergraduate science majors often pursue medical and health professions. Scientific research also affects the economy through innovation, improved medical treatments, and preservation of our natural resources, such as the Great Lakes.

CMU is a leader in assisting entrepreneurs in bringing their ideas to fruition. The Michigan Economic Development Corporation (MEDC) has designated a Michigan SmartZone near our campus, where the City of Mount Pleasant and CMU have developed a 300-acre technology park that includes an incubator and business accelerator called the CMU Research Corporation (CMURC). It houses 17,000 square feet of wet laboratories and 13,000 square feet of offices, and it leverages CMU's diverse capabilities to assist start-up businesses.

Among the state's MEDC-funded business incubators, CMURC ranks first in terms of jobs created and companies formed. In the past four years, CMURC opened centers in Bay City, Midland, and Saginaw, to assist with business start-ups throughout the Great Lakes Bay region.

CMURC offers hands-on expertise and CoWork opportunities. Its services include a competitive, three-phased scholarship program for early-stage entrepreneurs; industry, market, and feasibility analyses; product, manufacturing, and supply chain development; business strategy and implementation; marketing services; and investor relations and partnerships. Nearly 50 companies are active between feasibility and launch in addition to over 300 CoWork members.

CMURC also works to protect and commercialize inventions created by CMU researchers. Its scope of activities includes guiding faculty through the invention process, processing invention disclosures, assessing technologies for protection and commercialization, filing patent, copyright, and trademark protection on select technologies, marketing and licensing CMU discoveries, execution of Material Transfer and Confidentiality Agreements, and fostering CMU entrepreneurs. CMURC assists by offering supportive programs, helping with product development, conducting a market assessment, and business consulting for the purpose of commercialization.

### III. Staffing and Enrollment

#### A. Full- and Part-Time Student Enrollment (Fall 2021):

CMU is among the top 200 largest 4-year public universities in America. It is the sixth largest public institution in Michigan.

Classification of Instructional Program (CIP)	Mount Pleasant Campus		Off Campus (MI)	
	Full time	Part time	Full time	Part time
Agriculture, Agriculture Operations & Related Sciences	0	0	0	0
Area, Ethnic & Cultural & Gender Studies	11	0	0	0
Biological & Biomedical Sciences	467	117	1	3
Business Management, Marketing & Related Support Services	1,588	142	294	1,146
Communication, Journalism & Related Programs	528	52	3	4
Computer & Information Sciences & Support Services	324	41	19	70
Education	1,100	97	49	597
Engineering	279	18	0	0
Engineering Technologies/Technicians	108	16	5	33
English Language & Literature/Letters	104	14	1	2
Family & Consumer Sciences/Human Sciences	120	30	28	166
Foreign Languages & Literatures & Linguistics	43	6	0	0
History	58	16	1	2
Legal Professions & Studies	22	2	1	0
Liberal Arts & Sciences, General Studies & Humanities	0	0	0	0
Mathematics & Statistics	71	26	1	0
Multi/Interdisciplinary Studies	12	7	0	0
Natural Resources & Conservation	84	23	1	2
Health Professions & Related Programs	1,268	63	60	322
Parks, Recreation, Leisure & Fitness Studies	569	73	4	12
Philosophy & Religious Studies	13	2	0	0
Physical Sciences	119	38	0	0
Psychology	411	56	105	139
Public Administration & Social Service Professions	200	18	69	231
Social Sciences	306	32	26	50
Visual & Performing Arts	450	51	7	22
Undecided / Unsigned	2,461	144	26	96
<b>Total</b>	<b>10,716</b>	<b>1,084</b>	<b>701</b>	<b>2,897</b>

B. Future Enrollment:

Based on projected Michigan high school graduates, increased enrollment in the sciences at both the graduate and undergraduate levels, and the addition of new programs, CMU’s overall enrollment is expected to grow gradually over the next five years:

<u>Year</u>	<u>Fall Enrollment</u>
2022	14,563
2023	14,709
2024	14,856
2025	15,004
2026	15,154

That said, CMU has completed a thorough enrollment management planning process and is implementing several strategies to recruit and retain students.

CMU is committed to enrolling students who have demonstrated an ability to be successful in college. CMU’s mean SAT is 1,110, which represents the 61st percentile of SAT scores. CMU’s mean high school GPA is 3.47.

Further, CMU has implemented several measures during the past five years to support students and increase CMU’s four-year graduation rate. These efforts include an Office of Student Success, additional academic advisors, additional counselors, and an online advising tool that allows faculty and students to see how well they are progressing toward graduation.

CMU’s latest, six-year graduation rate, for the fall 2015 cohort, was 62 percent. Based on the current R2 Carnegie classification, CMU outperformed the national peer average of 54.5 percent.

C. Enrollment History: (Michigan Students Only)

CMU’s total enrollment has slowly declined over the past decade, following state and national trends resulting from the 2008 recession and generational change in family size. As the data below show for Michigan-based enrollment, the range between CMU’s highest and lowest enrollments is 6,391 students - about 25 percent. Over 90 percent of CMU’s on campus undergraduate students today are from the state of Michigan.

Fiscal Year	FYES*	Fall Headcount		
		Mount Pleasant	Off Campus-MI	Unduplicated Total
2001-02	20,961	19,188	5,466	24,492
2002-03	21,307	19,380	5,384	24,594
2003-04	21,447	19,402	5,195	24,496
2004-05	21,431	19,792	4,929	24,550
2005-06	21,579	19,917	4,787	24,562
2006-07	21,356	20,025	4,177	24,033
2007-08	21,142	19,867	4,511	24,083
2008-09	21,529	20,246	4,507	24,348
2009-10	21,888	20,444	4,875	24,799
2010-11	22,522	21,290	5,169	25,583
2011-12	22,510	21,220	5,842	25,473
2012-13	21,694	20,504	6,196	24,744



2013-14	20,891	19,634	6,618	23,875
2014-15	21,278	19,858	6,831	24,184
2015-16	20,804	19,549	6,798	23,565
2016-17	20,203	19,068	6,839	22,843
2017-18	19,546	18,155	7,398	21,912
2018-19	18,706	16,769	7,470	20,456
2019-20	17,104	14,990	7,887	19,192
2020-21	15,583	13,294	7,420	17,224

\* Based on 30 SCH for undergraduates

D. Staff/Student Ratios (Fall 2021):

Classification of Instructional Program (CIP)	Student/Instr. Staff Ratio	Student/Admin. Staff Ratio
Area, Ethic & Cultural & Gender Studies	24.0	N/A
Biological & Biomedical Sciences	10.7	21.5
Business Management, Marketing & Related Support Services	22.8	133.1
Communication, Journalism & Related Programs	16.2	113.7
Computer & Information Sciences & Support Services	10.4	152.9
Education	19.8	81.9
Engineering	8.1	54.0
Engineering Technologies & Engineering-Related Fields	14.2	94.3
English Language & Literature/Letters	13.1	85.9
Family & Consumer Sciences/Human Sciences	24.0	45.7
Foreign Languages, Literatures, & Linguistics	14.1	156.8
Health Professions & Related Programs	14.2	41.3
History	12.4	86.7
Legal Professions & Studies	20.3	N/A
Liberal Arts & Sciences, General Studies & Humanities	11.3	5.1
Mathematics & Statistics	16.4	153.8
Medicine (MD)	12.9	N/A
Multi/Interdisciplinary Studies	13.7	17.3
Natural Resources & Conservation	10.8	N/A
Parks, Recreation, Leisure & Fitness Studies	14.1	93.3
Philosophy & Religious Studies	23.4	349.1
Physical Sciences	11.9	40.3
Psychology	19.1	49.8
Public Administration & Social Service Professions	17.1	N/A
Public Health	13.4	N/A
Reserve Officer Training Corps	N/A	11.5
Social Sciences	20.0	93.9
Visual & Performing Arts	9.6	48.5
<b>Total</b>	<b>15.9</b>	<b>72.6</b>

E. Future Staffing Needs:

Year	Fall Enrollment Changes	Additional Staffing Needs
2022	-902	0
2023	146	0
2024	147	0
2025	149	0
2026	150	0

This chart reflects staffing needs with current academic programs and projected enrollments based on Michigan high school graduating class sizes only. As noted earlier, the entire CMU campus is engaged in recruitment and retention efforts that are showing success. That said, the millennial generation was very large and brought a high volume of students into higher education. As each generation transitions into higher education, they have different needs than the previous generation. CMU invests significant funding into student support services through our counseling center, writing center, math center, career services, advising, and student success centers.

Average Class Size:

At CMU, class sizes remain small, giving students optimal opportunity to interact directly with their professors. Ninety-five percent of CMU classes are taught by professional faculty rather than teaching assistants or graduate students. Students at CMU are more than a number; they are known by name.

According to the 2019 National Survey of Student Engagement (NSSE), 63 percent of CMU seniors say they have worked with faculty members on activities other than coursework. This would include research, creative endeavors, career-related experiences, and volunteer efforts. CMU’s survey results exceed 58 percent of seniors at universities within our Carnegie class and 57 percent of all NSSE 2018 and 2019 respondents.

In many cases, even undergraduate students can do research in concert with their instructors. At larger universities, this hands-on experience often is reserved for graduate-level students.

Course Level	2021-2022 Average Class Size			2022-23 Projected
	On Campus Avg. # of Students	Off Campus-MI Avg. # of Students	Overall Avg. # of Students	
<100	4	0	4	4
100-299	24	27	25	25
300-499	20	25	22	23
500-599	17	17	17	17
600 +	20	15	17	17

**IV. Facility Assessment**

A comprehensive Campus Master Plan, which addresses facilities condition, space utilization, utility infrastructure, land use, and capital planning, was approved by the Board of Trustees in December 2021. The comprehensive plan for the physical campus reflects and upholds the vision, imperatives and strategies established for CMU in its strategic plan.

Included in the 2013 Master Plan was a Capital Plan which outlined 24 projects; by 2021, CMU had successfully completed 14 of the projects. A new 2021 Capital Plan was finalized, which includes Brooks Hall as a priority academic facility improvement project.

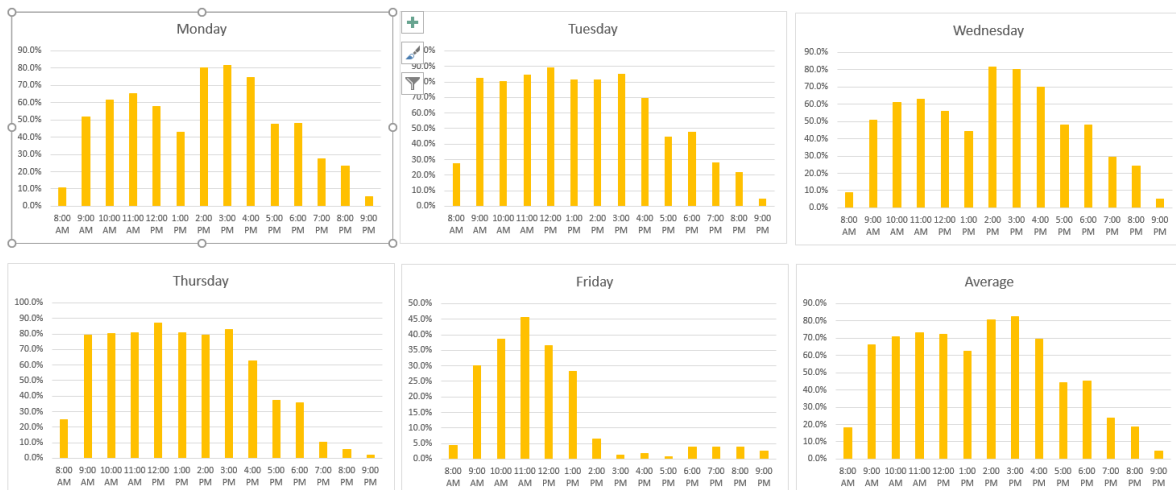
**B. Building and/or Classroom Utilization Rates:**

A comprehensive utilization and space needs analysis was completed by Paulien and Associates as part of the master planning process. This study was completed in accordance with the Postsecondary Education Facilities Inventory and Classification Manual.

- Classroom Utilization: CMU’s 180 classrooms are utilized an average of 34 hours per week, with an average student station occupancy of 63 percent. The average space per student station is 21 ASF.
- Teaching Laboratory Utilization: CMU’s 102 teaching laboratories are utilized an average of 24 hours per week, with average student station occupancy of 77 percent. The average space per student is 54 ASF.
- Classroom utilization rates were studied for peak (M-F, 10-3) and off-peak M-F, 8-10 a.m., and 3-9 p.m.) time frames as shown in the following charts:

Classroom Utilization												
Time of Day	Monday		Tuesday		Wednesday		Thursday		Friday		Average M-Th	
	Rooms in Use	% in Use	Rooms in Use	% in Use	Rooms in Use	% in Use	Rooms in Use	% in Use	Rooms in Use	% in Use	Rooms in Use	% in Use
8:00 AM	17	10.9%	43	27.6%	14	9.0%	39	25.0%	7	4.5%	28	18.1%
9:00 AM	81	51.9%	129	82.7%	79	50.6%	124	79.5%	47	30.1%	103	66.2%
10:00 AM	96	61.5%	126	80.8%	95	60.9%	125	80.1%	60	38.5%	111	70.8%
11:00 AM	102	65.4%	132	84.6%	98	62.8%	126	80.8%	71	45.5%	115	73.4%
12:00 PM	90	57.7%	139	89.1%	87	55.8%	136	87.2%	57	36.5%	113	72.4%
1:00 PM	67	42.9%	127	81.4%	69	44.2%	126	80.8%	44	28.2%	97	62.3%
2:00 PM	125	80.1%	127	81.4%	127	81.4%	124	79.5%	10	6.4%	126	80.6%
3:00 PM	127	81.4%	133	85.3%	125	80.1%	129	82.7%	2	1.3%	129	82.4%
4:00 PM	116	74.4%	109	69.9%	109	69.9%	98	62.8%	3	1.9%	108	69.2%
5:00 PM	74	47.4%	70	44.9%	75	48.1%	58	37.2%	1	0.6%	69	44.4%
6:00 PM	75	48.1%	75	48.1%	75	48.1%	56	35.9%	6	3.8%	70	45.0%
7:00 PM	43	27.6%	44	28.2%	46	29.5%	16	10.3%	6	3.8%	37	23.9%
8:00 PM	36	23.1%	34	21.8%	38	24.4%	9	5.8%	6	3.8%	29	18.8%
9:00 PM	9	5.8%	8	5.1%	8	5.1%	3	1.9%	4	2.6%	7	4.5%

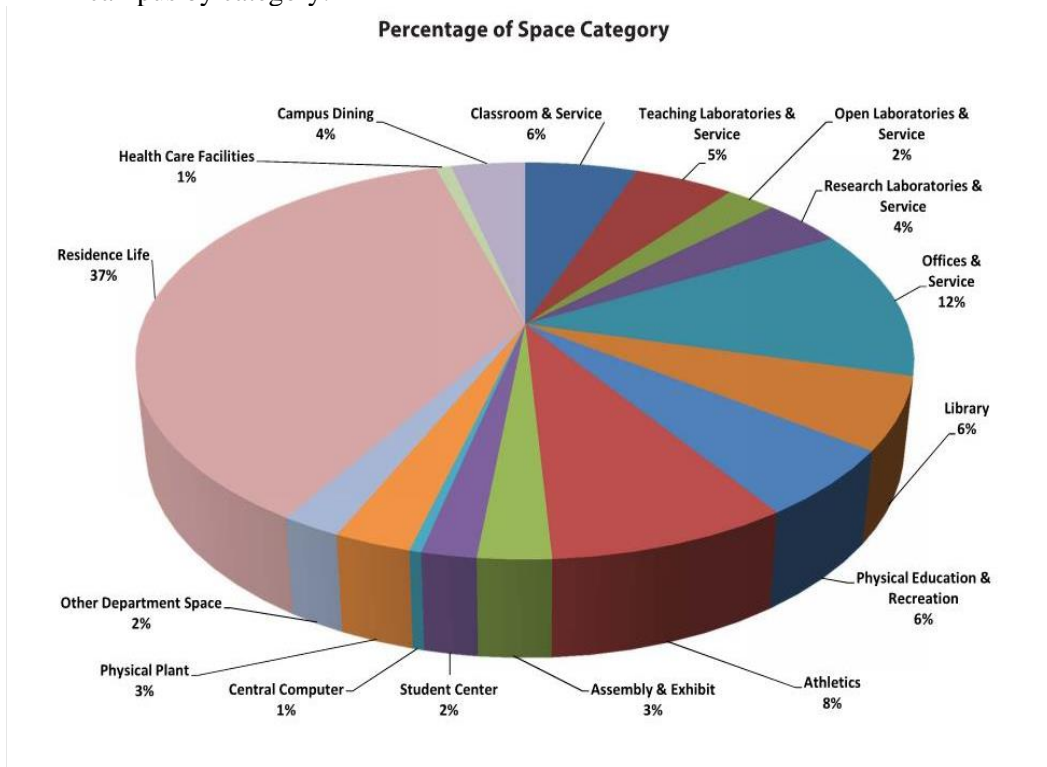
Based on 156 on campus classrooms with at least one course scheduled - Data from Fall 2018 Utilization Analysis



C. Mandated Facility Standards: CMU meets general and minimum space requirements as noted in federal accreditation standards. This includes successfully meeting higher levels of space and equipment standards for specialized programs such as biology and chemistry laboratories, performance spaces, library collections, and art exhibit spaces. Programs also meet the stringent, mandated facility standards of the National Association of Industrial Technology.

D. Functionality and Space Allocation:

Found in the Campus Master Plan, the following chart depicts the percentage of space on campus by category:



<i>Average age of buildings:</i>	General Fund	43.2 years
	Auxiliary	45.6 years
	All buildings	<u>44.4 years</u>

E. Replacement Value of Existing Facilities:

General Fund	\$1,439,865,637
Auxiliary	660,449,804
Total	<u>\$2,100,315,441</u>

F. Utility System Condition:

The campus master plan includes a facilities infrastructure assessment of the HVAC, electrical and domestic hot water systems in all of the buildings on CMU's main campus.

The majority of CMU buildings have served the campus for more than 40 years. The buildings have been well maintained, are structurally sound and functioning well. In a number of cases, mechanical and electrical systems are functioning successfully beyond their projected useful lives. The Facilities Condition Index for the campus is 0.179.

The deferred maintenance needs identified as part of the Facilities Condition Assessment for general fund buildings total \$190.6 million and for auxiliary buildings, \$185.4 million, in repair, upgrade and replacement costs for building assets valued at \$2.1 billion.

CMU has campus utility distribution system assets totaling approximately \$130 million.

1. City Water: CMU works closely with the city of Mount Pleasant to coordinate the expansion of water system requirements on campus and to maintain documentation of the existing system.
2. Sanitary Sewage System: The 12.7 miles of sanitary sewer collection system, which is integrated with the city of Mount Pleasant system, is sufficient for the existing and future needs of CMU in Mount Pleasant.
3. Storm Sewer System: The 22.6 miles of storm sewer on CMU's campus are in generally good condition. CMU works closely with the city of Mount Pleasant and Isabella County to coordinate the expansion of storm sewer systems on campus and to ensure proper inspection and maintenance of the infrastructure.
4. Electrical Distribution System: Scheduled assessments during planned electrical outages allow our skilled trades to identify immediate and long-term repair requirements; this also allows for planned system repairs with minimal impact on campus operations. The campus electric distribution system is in good condition. The main campus has redundant primary feeds from Consumers Energy.
5. Steam and Condensate System: The campus has 7.8 miles of steam and condensate lines located both within our 3.5 miles of utility tunnels and directly buried. These lines are in good condition.
6. Chilled Water System: The 10.4 miles of chilled water lines, supply, and return, are in good condition.
7. Central and Satellite Energy Facilities: These facilities house 1 gas/wood boiler, 3 gas boilers, 1 steam turbine, 1 gas turbine, 6 electric chillers and 1 steam absorption chiller and are in good condition. The Central Energy Facility has a Facilities Condition Index of 0.03 and the Satellite Energy Facility, which was built in 2006, has a Facilities Condition Index of 0.02.

G. Facility Infrastructure Condition:

1. Roads: Roads are generally adequate. Repairs are made on a planned basis, with annual inspections by CMU personnel. Several campus roads, particularly West Campus Drive, serve significant city and county/state traffic.
2. Parking lots: Central Michigan University has 102 acres of parking lots with 11,032 spaces. Parking lots were inspected, and condition rated in 2022; all parking lots are on a specific schedule for crack filling, repair, and reconstruction.

3. Parking structures: None
4. Sidewalks: Central Michigan University has 33.2 miles of sidewalks, and work occurs every year to replace and repair designated portions.
5. Bridges: None
6. IT Infrastructure: There are two infrastructure components:
  - a. CMU has a stand-alone, secured data center with backup generators and uninterruptable power systems.
  - b. The university network continues to be enhanced to support current technological demands. The university traditional voice telephone system has been converted to Voice and Video over Internet Protocol (VOIP). Voice, video, cable TV, and data are systems that use the university network to operate. The university network has the capacity for worldwide interconnections.

H. Adequacy of existing utilities and infrastructure systems to current and 5-year projected programmatic needs:

As part of our campus master plan, the overall facilities condition assessment, utility infrastructure assessment, land use and capital planning work products have identified the following utility and infrastructure upgrades that are required to support current and 5-year project programmatic needs.

1. Central Energy Facility Improvements: CMU has completed three major system improvements at the central plant totaling \$4M. These projects included projects to upgrade controls for four boilers and the gas turbine, the installation of a new absorption chiller plus heavy maintenance of the gas turbine.
2. Storm System Upgrades: The Federal Emergency Management Agency, through the Michigan State Police, Homeland Security Division, has awarded CMU a nationally competitive Pre-Disaster Mitigation grant for a project valued at \$497K. A storm water pump station was installed at the Student Activities Center, and additional storm water storage projects were completed as part of the Center for Integrated Health Studies.
3. Although the campus network is currently running well and is reliable, IT strategic planning has determined a need for approximately \$10 million in deferred maintenance investment across the CMU network by FY24.

I. Enterprise-wide energy plan:

Central Michigan University continues executing a formal energy reduction effort since 2009, to include an ongoing Direct Digital Controls upgrade program. The overall effort has resulted in numerous energy reductions projects focused on individual buildings, optimizing like systems that were operational in multiple buildings, and improving its central utilities infrastructure.

J. Land Owned by the University:

Improved (landscaped)	579.58 acres
Unimproved	1,171.68 acres
Total	<u>1,751.26 acres</u>

There is sufficient land to support the university’s needs for the foreseeable future. CMU’s long-term land use plan allows CMU to make short-term building decisions with the confidence that we are doing what is right for the future of CMU.

- K. State Building Authority: CMU has five buildings obligated to the State Building Authority. The buildings include Park Library, the Health Professions building, Education and Human Services Building, the Biosciences Building, and the Center for Integrated Health Studies. The expiration dates of the State Building Authority leases are shown in the table below:

<b>Building</b>	<b>Proposed Lease Expiration Date</b>
Park Library	04/01/2037
Health Professions	11/01/2040
Education and Human Services	12/01/2044
Biosciences	08/31/2052
Center for Integrated Health Studies	11/07/2054

V. **Implementation Plan**

A. Prioritized Major Capital Projects Requested:

As part of the campus master plan, a 10-year capital plan project list was approved by the CMU Board of Trustees in July, 2013; an updated list was approved in June 2017 and the current list was approved in December, 2021. These lists were developed by a cross-campus team of faculty and staff based on input from thousands of on-campus and community stakeholders. The CMU Brooks Hall Renovation project is on CMU’s current Capital Plan and will continue to be submitted in future Capital Outlay Requests based on student needs. Student demand for programs housed in Brooks Hall is high and renovated facilities will better serve students going into the sciences as well as all students taking general education science classes. We look forward to partnering with the state in the near future on this project.

Brooks Hall opened in 1964 and serves students with courses and programs in the fields of biology, biomedical science, earth and atmospheric sciences, astronomy, chemistry, biochemistry, and geology.

B. Impact of Addressing Deferred Maintenance and Structural Repairs:

The 2021 Facilities Condition Assessment of buildings on CMU’s main campus identified \$376 million in projected repair, upgrade and replacement costs for building assets valued at \$2.1 billion. In addition, deferred maintenance funds will be required to maintain the utility distribution systems valued at \$130 million and site infrastructure valued at \$45 million. The

projected upgrade and replacement cost for the university data systems is estimated at \$34 million.

C. Status of Ongoing SBA Projects:

CMU does not have any ongoing SBA projects.

D. Rate of Return on Planned Capital Expenditures:

Brooks Hall has significant deferred maintenance needs. If the Brooks Hall project is approved, the deferred maintenance funds otherwise slated for the building will be moved to other projects. Also, a modernized Brooks Hall with cutting-edge technology will assist the university in recruiting and retaining students who will go on to serve Michigan communities and businesses. While it is hard to quantify a specific rate of return, it is clear that approval of this project would greatly assist the university in addressing deferred maintenance issues and provide additional classroom and laboratory space to alleviate scheduling challenges on campus, as previously illustrated in the room utilization schedule. The additional, modern laboratory space would allow for more research to be performed with enhanced safety. Funded research provides a direct return on the capital expenditures.

E. Alternatives to New Infrastructure:

Science courses are some of the most difficult to deliver in a virtual environment. The active learning and lab components are harder to recreate online. Traditional face-to-face instruction is the preferred method for subjects taught in Brooks Hall. During the last decade, a few science courses became available in an online format, yet these offerings are limited due to course content and the need for hands-on, face-to-face experiences.

F. Maintenance Schedule for Major Items:

As defined in the 2021 facilities condition assessment, priority areas for major maintenance are:

- Building envelopes
- Mechanical, electrical, plumbing systems, including HVAC
- Utility infrastructure

CMU annually funds a minimum of \$5.7 million in deferred maintenance projects. Allocations among the various types of maintenance will depend on priority rankings and most urgent needs.

G. Non-Routine Maintenance:

CMU has consistently focused on deferred maintenance of buildings and grounds. Funding levels for deferred maintenance totaled \$5.7 million annually since 2010. In fiscal year 2014, an additional \$1.3 million in one-time funds was budgeted for roof replacement. Funding for deferred maintenance comes from the capital budget, which is funded by Auxiliary Services, Parking Services, and an annual general fund allocation of \$2.8 million. Since 2008, CMU also has invested about \$7 million in the renovation and upgrading of individual classrooms and auditoriums.



**CONTRIBUTIONS QUARTERLY REPORT: CONSENT AGENDA**

BE IT RESOLVED, That contributions received during the quarter ended September 30, 2022, in the amount of \$2,199,987 are accepted.

**ADVANCEMENT CONTRIBUTION REPORT**  
**Quarter Ended September 30, 2022**

<i>PURPOSE</i>	<u>CURRENT YEAR</u>		<u>PRIOR YEAR</u>		<u>CHANGE</u>	
	Quarter	FYTD	Quarter	FYTD	Quarter	FYTD
Current Operations	\$ 767,673	\$ 767,673	\$ 752,597	\$ 752,597	\$ 15,076	\$ 15,076
Capital Purposes	249,723	249,723	243,634	243,634	6,089	6,089
Endowment	319,280	319,280	796,327	796,327	(477,047)	(477,047)
Athletics (current)	315,770	315,770	273,631	273,631	42,139	42,139
Public Broadcasting	533,984	533,984	595,646	595,646	(61,662)	(61,662)
<b>GIFT TOTAL</b>	<b>\$ 2,186,430</b>	<b>\$ 2,186,430</b>	<b>\$ 2,661,835</b>	<b>\$ 2,661,835</b>	<b>\$ (475,405)</b>	<b>\$ (475,405)</b>
Gifts-in-Kind	13,558	13,558	406,398	406,398	(392,841)	(392,841)
<b>TOTAL GIFT RECEIPTS</b>	<b>\$ 2,199,987</b>	<b>\$ 2,199,987</b>	<b>\$ 3,068,233</b>	<b>\$ 3,068,233</b>	<b>\$ (868,246)</b>	<b>\$ (868,246)</b>

<i>SOURCE</i>						
Alumni	3,360	3,360	3,280	3,280	80	80
Alumni Amount	\$ 698,336	\$ 698,336	\$ 1,440,025	\$ 1,440,025	\$ (741,689)	\$ (741,689)
Friends	6,920	6,920	7,310	7,310	(390)	(390)
Friends Amount	\$ 681,680	\$ 681,680	\$ 1,122,944	\$ 1,122,944	\$ (441,264)	\$ (441,264)
Other Organizations	28	28	22	22	6	6
Other Org. Amount	\$ 103,762	\$ 103,762	\$ 62,175	\$ 62,175	\$ 41,588	\$ 41,588
Corporate**	137	137	125	125	12	12
Corporate Amount	\$ 297,500	\$ 297,500	\$ 250,385	\$ 250,385	\$ 47,115	\$ 47,115
Foundation	15	15	12	12	3	3
Foundation Amount	\$ 418,709	\$ 418,709	\$ 192,705	\$ 192,705	\$ 226,005	\$ 226,005
<b>DONOR TOTAL</b>	<b>10,540</b>	<b>10,460</b>	<b>10,749</b>	<b>10,749</b>	<b>(289)</b>	<b>(289)</b>
<b>TOTAL GIFT RECEIPTS</b>	<b>\$ 2,199,987</b>	<b>\$ 2,199,987</b>	<b>\$ 3,068,233</b>	<b>\$ 3,068,233</b>	<b>\$ (868,246)</b>	<b>\$ (868,246)</b>

\*\* Includes matching gifts.

**ENDOWMENTS / AWARDS / SCHOLARSHIPS: CONSENT AGENDA**

BE IT RESOLVED, That the following new endowments and endowment criteria changes are approved. Statements are approved for publication as applicable.

**New Endowments**

**Harold and Iris T. Abel Immokalee Student Teaching Program Endowment**

Established in 2022 by the Harold Abel and Iris T. Abel Family Foundation. Dr. Harold Abel (1926-2002) was the eighth Central Michigan University president (1975-85). Harold and Iris Abel were committed to advancing education at every level, and to increasing access to education among underserved populations. The endowment is intended to support the Immokalee Student Teaching Program, and to prepare aspiring educators who aim to teach in a diverse or underserved school district. Funds may be used to support the administrative and program costs associated with the operation of the Immokalee Student Teaching Program, and to cover student costs associated with participating in the program.

**The Kathleen S. Blahunka Resilience Scholarship Award**

Established in 2022 by Stephen J. Blahunka in memory of his wife. The Kathleen S. Blahunka Resilience Scholarship Award is given annually to a student at Central Michigan University who has shown extraordinary resilience to a personal or family health challenge. Kathleen Blahunka (Bank) attended CMU

from 1979-1983 and received her Bachelor of Science in Education degree in 1983, with a major in Child Development and minor in Reading. Kathleen was a two-time Hodgkin's cancer survivor by age sixteen and, despite her difficult health situation, she overcame her adversity and received her teaching degree with "extraordinary resilience." It is the hope of the donors that the scholarship recipients can use Kathleen's story as a source of inspiration as they complete their education and become productive citizens in our community. Kathleen passed away in 2020. This renewable scholarship will support a Junior or Senior student pursuing any degree or major who has a cumulative minimum GPA of 2.8. Qualified recipients must be students who have endured cancer (or other significant health condition) or supported an immediate family member with cancer. Primary preference will be given to students who are cancer survivors or who are currently battling cancer. Secondary preference will be given to students enrolled in a Teacher Education program

### **The Ken & Merrilee Jacobson Scholarship**

Established in 2022 by Ken and Merrilee Jacobson. Ken Jacobson (B.S. Biology '66) was the first in his family to pursue higher education. The supportive atmosphere at CMU guided him to a bachelor's degree and a successful career as a lifelong entrepreneur. While Ken left Michigan after graduation, he has stayed involved in CMU by providing annual donations, attending homecoming events and participating in the alumni gatherings in Raleigh, NC. This renewable scholarship will support an undergraduate student enrolled in any college who demonstrates financial need and is also Pell Grant eligible.

### **Ruth Anne Stevens and Stephen P. Latus Endowed Internship Program**

Established in 2022 by Ruth Anne Stevens '80 and her spouse Stephen P. Latus to assist students interested in a career in a media-related field to participate in a university-sanctioned internship program. Ruth, who spent 38 years working in higher education public relations, credits Central Michigan University with providing her valuable collegiate experiences and preparing her for the profession. Specifically, the internship she completed in CMU's public relations office directly led to her first job after college in higher education public relations – and several rewarding subsequent positions in the field. Ruth and Steve understand that internships often offer no or little pay. Award is to provide one-time awards to help students defray expenses associated with internship participation. "Having the CMU internship gave me significant practical experience and helped me get a great job right out of college," Ruth said. "We hope this award will pave the way for future students to do the same."

### **Jett W. Whitehead Poetry Award**

Established by Jett W. Whitehead '77 to create a contest to award to a student (either undergraduate or graduate) who has taken a creative writing class in the current academic year that they are applying for this award. To be eligible, in addition to taking a creative writing class, a student must submit up to three typed poems of any length. The creative writing faculty within the Department of English Language and Literature have the authority to create the selection process, including but not limited to, appointing a selection committee, appointing a guest judge, etc.

### **Endowment Criteria Changes**

#### **Margaret Foley Memorial Endowment**

Established in 1987 by Edward Foley '59 and Mary Cameron Foley Howe '64 in memory of their mother, Margaret Foley. This endowment originally supported a scholarship awarded to students in the Library Science program. Once that program was discontinued, the family chose to change the purpose of this endowment to support the needs of CMU Libraries. Beginning in 1956, Margaret served as a supervising teacher at the Central Michigan University Laboratory School. Later she established the Instructional Materials Center for the Laboratory School in their new facility at Rowe Hall. She remained as Director of the Center and as Assistant Reference Librarian until her retirement in 1970. Margaret passed away in 1986.

### **Dr. Nazem Haidar Memorial Fund**

Established in 2015 by Dr. Salma Haidar, in memory of her father. Salma, a professor at CMU in the School of Health Sciences, would like to share the following about her father: "My Dad, Nazem Haidar (1932-2013), was raised by a single mom. His father passed away when he was five years old. He lived a poor life and his only way out of poverty was through education. He was able to get his master's degree in Money and Banking from Wharton School of Business and a Ph.D. in Statistics from the University of Pennsylvania. He then went back to Syria where he worked as a professor at the School of Economics at Damascus University and also served as the Dean of that college for several years. My father valued education so much, especially for women. Growing up, he always pushed me to be a hard worker and try to be the best. Once I finished my college education, he pushed me to get higher education in the USA." This renewable scholarship will support Sophomores, Juniors or Seniors majoring in either Public Health Education or Environmental Health and Safety who have a cumulative minimum GPA of 3.5.

### **Alan W. and Janet E. Madsen Scholarship**

Established in 1983 by Mr. Alan W. '68 and Mrs. Janet E. Madsen. Al graduated from CMU with a Bachelor of Science in Business Administration. While attending CMU, he was active with Alpha Kappa Psi and a staff member with CM Life. This scholarship will support Freshmen, Sophomore, or Junior students with a cumulative minimum GPA of 2.8 who are pursuing a major/degree in the College of Business Administration. Preference will be given to members of Alpha Kappa Psi

### **Michael P. Shields Graduate Research Endowed Award**

Established in 2015 by Dr. Gail M. Shields to honor her late husband Dr. Michael P. Shields. Both Michael and Gail served as faculty at CMU in the Economics Department. Michael was a professor from 1993 until his retirement in 2012. While at CMU, Michael served as Chair and Graduate Director for the department. Upon his retirement, CMU awarded Michael the rank of Professor Emeritus. Michael was recognized in his profession for his many publications, both professional articles and textbooks. Michael passed away in 2014. Award will support graduate students pursuing a Master of Arts in Economics who are working with a faculty member on research. Qualified recipients (and the faculty member if applicable) must provide a written document, two page maximum, that includes the focus of the research. First preference will be given to international students. Second preference will be given to students who will co-author with the faculty member.

## **AUDIT COMMITTEE REPORT**

## **HEALTH CARE SPECIAL COMMITTEE**

## **HEALTH CARE SPECIAL COMMITTEE RECOMMENDATIONS**

It was moved by Trustee Beauboeuf, seconded by Trustee Oliver and carried that the following resolution be adopted as submitted.

BE IT RESOLVED, That the following recommendations of the Health Care Special Committee are accepted and endorsed by the Board of Trustees:

1. That university leadership move forward with program expansion of the Physician Assistant (PA) and Physical Therapy (PT) programs, as well as enlarging the nursing program into a four-year one as soon as possible. The committee believes that expansion of all three programs will greatly benefit health care in Michigan, particularly in underserved areas, as well as benefit the university through increased enrollment.

2. That university leadership explores the following three strategic initiatives that the committee believes will advance the College of Medicine:
- Reinforce and develop key relationships for the necessary clinical rotations that will ensure compliance with LCME accreditation standards and provide equitable student experiences.
  - Explore opportunities to engage all four years of students in a more progressive manner, including a discussion of having all students in one single location.
  - The demand of individuals who want to attend medical school, and specifically CMU's College of Medicine, as well as the demand for medical doctors that serve rural and underserved populations in Michigan—which is the mission of the College of Medicine—continues to increase; therefore, CMU should further analyze and explore expanding the size of the entering class cohorts.

BE IT FURTHER RESOLVED, That university leadership will provide updates at the February and April 2023 Board of Trustees meetings, with a more in-depth report and discussion occurring at the June 2023 meeting. The updates and discussion will include appropriate timelines and anticipated milestones for each of these recommendations.

BE IT FURTHER RESOLVED, That, in accordance with the February 2022 resolution creating it, the work of the Health Care Special Committee is officially concluded with the Board's appreciation to committee co-chairs Trustee Michael Sandler and Trustee Sharon Heath.

#### **TRUSTEES-FACULTY LIAISON COMMITTEE REPORT**

#### **TRUSTEES-STUDENT LIAISON COMMITTEE REPORT**

#### **APPROVAL OF CENTRAL MICHIGAN UNIVERSITY RESEARCH CORPORATION (CMURC) BYLAWS REVISION**

It was moved by Trustee Plawecki, seconded by Trustee Oliver and carried that the following resolution be adopted as submitted.

BE IT RESOLVED, That the Central Michigan University Board of Trustees, as the sole member of the Central Michigan University Research Corporation, adopted the revisions to the Bylaws on page 10, section 5 in the definition of the President and Chief Executive Officer role.

#### **CONSENT AGENDA**

It was moved by Trustee Plawecki, seconded by Trustee Oliver and carried that the items listed on the consent agenda be adopted, approved, accepted or ratified as submitted.

#### **OTHER/NEW BUSINESS** **PRESIDENTIAL REVIEW AND COMPENSATION FOR 2023**

It was moved by Trustee Oliver, seconded by Trustee Wardrop and carried that the following resolution be adopted as submitted.

BE IT RESOLVED, That the president's base salary will remain \$450,000 effective January 1, 2023.

**ELECTION OF BOARD OF TRUSTEES OFFICERS FOR 2023**

It was moved by Trustee Plawecki, seconded by Trustee Wardrop and carried that the following resolution be adopted as submitted.

BE IT RESOLVED, That the following slate of officers is elected for the calendar year 2023:

Chair	<u>Isaiah Oliver</u>
Vice Chair	<u>Sharon Heath</u>
Vice Chair	<u>Todd Anson</u>
Secretary	<u>Mary Jane Flanagan</u>
Treasurer	<u>Mary Moran Hill</u>

**PUBLIC COMMENT ON ANY ITEM/MATTER NOT LISTED ON THE AGENDA:** None

**CLOSING COMMENTS**

Trustee Todd Anson acknowledged the accomplishments of Trustee Studley and Trustee Wardrop and thanked them for their leadership throughout their time on the Board of Trustees.

Trustee Regine Beauboeuf also acknowledged this historic transition of leadership.

The meeting adjourned at 12:59 p.m.

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Mary Jane Flanagan  
Secretary to the Board of Trustees

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Richard K. Studley  
Chair, Board of Trustees