

# Grand Valley State University

## Five-Year Master Plan

FY 2024 – 2028

### I. Mission Statement

Reach Higher 2025 defines a new mission, vision, values, and commitments for Grand Valley State University.

Mission: At Grand Valley State University, we **empower learners** in their **pursuits, professions, and purpose**. The university enriches society through excellent teaching, active scholarship, advancement of equity, and public service.

Vision: Grand Valley State University will **prepare globally minded citizens for the future they face and the communities they shape**. Our community of educators create and employ innovative approaches to liberal education and professional programs that center on and prepare students **for a lifetime of continual learning and growth**.

Values: Innovation, Integrity, International Perspectives, Inquiry, Inclusive and Equitable Community

Commitments:

1. An Empowered Educational Experience
2. A Lifetime of Learning
3. A Culture of Educational Equity

Reach Higher 2025 was approved by the University's Board of Trustees in February 2022.

### II. Instructional Programming

- a. **Describe existing academic programs and projected programming changes during the next five years, in so far as academic programs are affected by specific structural considerations, (i.e. laboratories, classrooms, current and future distance learning initiatives, etc.)**

Grand Valley State University offers 96 undergraduate degrees and 45 graduate degrees.

Grand Valley State University has 8 academic colleges including:

- The Brooks College of Interdisciplinary Studies
- The College of Education and Community Innovation
- The College of Health Professions
- The College of Liberal Arts and Sciences
- The Kirkhof College of Nursing
- The Seidman College of Business
- The Seymour and Esther Padnos College of Engineering and Computing

Academic programs that continue to experience growth in credit hours are computing, engineering, and health sciences. The growth in these programs also results in a rise in liberal education and foundational classes, particularly in the sciences and mathematics.

Grand Valley State University seeks to become the intersection for this convergence of talent, transformation, and technology by establishing a trans-disciplinary hub of teaching, learning, innovation, and research that will develop skills in every graduate for an ever-changing world. Programs will support **1) building of digital literacies in all GVSU graduates 2) expanding the number of graduates with deep technical, computing, data, AI and related expertise and 3) expanding the applied research and business supports through increased synergies between GVSU, startup organizations, entrepreneurs, local businesses, and corporate partners to advance their digital transformations.**

West Michigan is poised to capitalize on the knowledge-based economy. Already, more than 1,100 IT establishments call greater Grand Rapids home and provide more than 11,500 jobs. The sector has a projected job growth rate of more than 18% and needs to be supported by a substantial increase in tech graduates each year. The growth required in technical, engineering and STEM is 10 X our current degree production over the next decade.

GVSU colleges are currently collaborating on creating computer science, data science and transdisciplinary degrees at the intersection of Computing, Business, and the Humanities. Programs are currently under development and set to start within a year. They include full bachelor and master's degrees as well as stackable badges and certificates. Employers in our state have clearly articulated a need for "new talent" and the need to up-skill half of the current workforce. The Blue Dot lab would provide the anchor for the creation and enhancement of the critical skills workers to meet the demands of the future.

Programming changes will also include general digital skills as a required student learning outcome for all undergraduate majors. A shift in curriculum will focus on digital fluency, experiential learning, team, and project-based learning - providing students with skills and learning opportunities that are most essential for entering the workforce. Also, skills required for innovation, complex problem solving, analytical thinking, creativity, and analysis. Program changes are required to prepare students to be career-ready with the skillsets demanded by today's workforce including interdisciplinary learning and experiences. Here are just a few examples of digital skills, fluencies, competencies they will learn:

Data and Information literacy

Digital image manipulation

Digital object creation Multimedia composition creation

Digital collaboration with teams and projects

Selection, use, and critique of digital tools and platforms

Digital learning and personal learning networks

Digital identity management and wellbeing

GVSU is the leading provider of health professions in the region. The GVSU Health Campus is located on the Medical Mile in Grand Rapids. The campus is in close proximity to health care, clinical and research

institutions and is renowned as a world class healthcare destination. The GVSU Health Campus includes three buildings which provide classroom and laboratory facilities for over 20 different health related academic programs, prepared to educate and meet the demand for qualified health professionals.

- The Cook-DeVos Center for Health Sciences, a State supported facility completed in August 2003.
- The Raleigh J. Finkelstein Hall, completed in April 2018.
- The Daniel and Pamela DeVos Center for Interprofessional Health, recently completed in May of 2021. This State supported facility provides additional space needed for existing and proposed new programs in health sciences. This includes the GVSU Simulation Center which is one of the largest interprofessional simulation centers in the State of Michigan. The center also includes teaching facilities for computer information systems programs.

Finally, the growth of distance learning programs spanning multiple disciplinary areas will necessitate the construction of contemporary, flexible, technology enhanced teaching spaces that allow for delivery of these programs. Adapted teaching and learning spaces will be required to realize these goals.

**b. Identify the other unique characteristics of the university's academic mission.**

Reach Higher 2025 includes three key commitments, Lakers joining together to Reach Higher and make an impact on the communities and societies of which we are an integral part:

**An Empowered Educational Experience**

Student agency and success will always drive our collective work. We will demonstrate this by prioritizing:

- Continual movement toward an understanding of individual student needs, motivations, and goals that is actively supported by faculty and staff.
- Expanded flexibility for students to learn when, how, and where they learn best, coupled with appropriate support for faculty and staff to be able to adapt to changes while continuing to provide quality educational opportunities.
- Relevant programs full of learning opportunities that can be applied to the pressing concerns and problems of our communities and the world.
- Deeper and broader experiential learning for all students that includes internships, practica, cooperative placements, global learning, undergraduate research, community-based learning, and more.
- Strong integration of liberal education with professional education that also reflect students' digital literacy, technological proficiency, and leadership development.
- Collaborative research, scholarship, and creative expression that brings students and faculty members together in partnership and models lifelong learning and pursuit of new knowledge.
- Personalized assistance for students to identify and develop a network of mentors and advisors from among faculty, staff, peers, employers, alumni, and community members that form an extended GVSU learning community.
- Community engagement practices that demonstrate reciprocity of learning.
- Progressive expansion of high-demand programs rigorously designed and reflective of the integration of liberal education and professional education.

**A Lifetime of Learning**

Design and leverage learning opportunities for students of all stages in their lives and careers, meeting their needs where they are.

We will succeed at this through:

- Championing a strong foundation of liberal education that engenders the mindset and skills to advance students' education across a lifetime; the liberal education will always be integrated with experiential, practical, and professional educational opportunities that propel all in our learning communities to positively effect society and the larger world.
- Developing beneficial and supportive connections between and across all those in the larger GVSU learning community, including future and currently enrolled students, alumni, faculty, staff, and community members.
- Increasing flexibility for students in terms of pace and engagement with curricular components; this may include additional terms across the calendar year, more summer time, online, low-residency, and on-demand selections.
- Attracting our traditional-aged FTIAC student population and supporting them in learning across their lifetimes while also providing more and attractive options for adult learners.
- Building strategic institutional partnerships to scale our impact, expand our reach, and better serve diverse groups of learners (e.g., community colleges, Hispanic-serving institutions, historically Black colleges and universities, etc.).

### **A Culture of Educational Equity**

Center equity and inclusion for a more diverse learning community.

We will achieve this through:

- Removing systemic barriers to educational access, retention, and persistence.
- Developing and establishing university policies, practices, systems, and culture that demonstrate our institutional accountability to diversity, equity, inclusion, access, and total well-being for all community members.
- Recruiting, empowering, and retaining a diverse student body, faculty, and staff.
- Appropriately acknowledging GVSU exists on the land of the Anishinaabe peoples—the Ojibwe, Odawa, and Bodéwadmi —and commits to increasing the visibility of Anishinaabe people among its students, faculty, and staff; its curriculum; and its cultural programming.
- Incorporating environmental, human, and economic factors toward global and societal vitality that advance beyond our current award-winning sustainable practices.

### **c. Identify other initiatives, which may impact facilities usage.**

The continued growth in the local healthcare and medical research industries is increasing the demand for qualified professionals. The demand is such that several state educational and healthcare institutions have joined in meeting the demand for educated professionals. Grand Valley State University provides the largest number of healthcare-related graduates in the region, and provides the largest breadth of medical science professions, including most disciplines except medical doctors and pharmacists.

**d. Demonstrate economic development impact of current/future programs (i.e. technical training centers, life science corridor initiatives, etc.).**

The communities that host our campuses are among Michigan's most vibrant – each enjoys greater economic health because of Grand Valley's presence. Our 136,100 alumni are the bedrock of the communities in which they live and work. Our business development centers work every day to help entrepreneurs and small business owners succeed and prosper. Our research centers in water resources preserve and protect our environment. The philanthropic community has helped Grand Valley to construct new facilities, easing the burden on taxpayers while creating thousands of construction jobs.

### III. Staffing and Enrollment

#### a. Current full and part-time student enrollment levels

##### Fall 2022 Enrollment by Academic Program and Course Type/Location

"Hybrid" sections are counted in the location where their in-person meetings occur.

		Full-time	Part-time	Allendale / Grand Rapids	Other Sites	Independent Study / Fieldwork / Internship / Practicum	Online
Bachelors	Accounting	412	51	74%	0%	0%	26%
	Advertising & Public Relations	325	29	83%	0%	2%	15%
	Allied Health Sciences	512	92	81%	1%	1%	17%
	Anthropology	51	12	90%	0%	2%	8%
	Applied Food & Nutrition	74	6	87%	0%	5%	7%
	Art Education	41	3	89%	0%	0%	10%
	Art History	9	2	91%	0%	1%	8%
	Behavioral Neuroscience	200	31	86%	0%	1%	13%
	Biochemistry	95	12	90%	0%	1%	9%
	Biology	342	43	90%	0%	0%	9%
	Biomedical Engineering	96	12	94%	0%	0%	6%
	Biomedical Sciences	688	67	90%	0%	0%	10%
	Business Economics	207	17	82%	0%	0%	18%
	Business General	970	54	78%	0%	0%	21%
	Cardiovascular Sonography	55	7	85%	0%	0%	15%
	Cell & Molecular Biology	61	11	94%	0%	0%	6%
	Chemistry	57	7	91%	0%	1%	9%
	Classics	16	1	94%	0%	0%	6%
	Communication Sci & Disorders	196	23	70%	0%	1%	29%
	Communication Studies	197	20	83%	1%	2%	14%
	Comp Sci & Arts for Teaching	231	9	90%	1%	0%	9%
	Computer Engineering	76	39	89%	0%	0%	11%
	Computer Science	471	75	94%	0%	0%	6%
	Criminal Justice	473	49	77%	0%	0%	23%
	Cybersecurity	116	4	91%	0%	0%	8%
	Dance	49	1	84%	0%	2%	14%
	Degree Seeking Undergraduate	106	24	89%	0%	1%	9%
	Diagnostic Medical Sonography	204	13	84%	0%	2%	14%
	Earth Science	9	1	100%	0%	0%	0%
	Economics	26	7	79%	0%	1%	20%
	Education	931	50	89%	0%	1%	10%
	Education Birth-Kindergarten	23	2	89%	0%	0%	11%
	Educational Studies	344	10	95%	0%	0%	5%
Electrical Engineering	129	45	91%	0%	0%	9%	

Engineering		1	0%	0%	100%	0%
English	275	29	91%	0%	1%	9%
Entrepreneurship	65	7	82%	0%	0%	18%
Environ and Sustain Studies	195	20	76%	1%	1%	22%
Exercise Science	805	60	82%	0%	3%	14%
Exploratory Study	554	22	93%	0%	0%	7%
Film and Video	238	30	93%	0%	1%	5%
Finance	697	52	81%	0%	0%	19%
Fisheries and Aquatic Sciences	16	2	93%	0%	0%	7%
French	7	4	84%	0%	4%	12%
General Management	212	23	73%	0%	0%	27%
Geography	21	4	78%	0%	0%	21%
Geology	34	10	96%	0%	0%	4%
Geology-Chemistry	7	1	94%	0%	1%	6%
German	7	5	94%	0%	3%	3%
Global Studies & Social Impact	20	2	78%	0%	0%	22%
Group Social Studies	161	11	86%	0%	0%	13%
Health & Physical Education	53	1	83%	0%	0%	17%
Health Communication	45	3	89%	0%	4%	7%
Health Information Management	52	5	20%	0%	0%	80%
Health Professions		1	17%	0%	0%	83%
History	147	14	89%	0%	2%	10%
Hospitality Tourism Management	154	15	67%	0%	0%	33%
Human Resources Management	139	11	75%	0%	0%	25%
Information Systems	76	6	80%	0%	1%	19%
Information Technology	81	13	87%	0%	0%	13%
Integrated Science	2		90%	0%	0%	10%
Integrated Science Elementary	31	1	92%	1%	0%	7%
Integrated Science Secondary	11	1	91%	0%	0%	9%
Integrative Studies	87	163	21%	1%	3%	75%
Interdisciplinary Engineering	51	5	95%	0%	0%	5%
International Business	56	6	84%	0%	0%	16%
International Relations	57	5	85%	0%	2%	13%
Legal Studies	122	11	77%	0%	1%	22%
Liberal Studies	3	4	30%	0%	3%	67%
Management	60	11	74%	1%	1%	24%
Marketing	801	65	79%	0%	0%	21%
Mathematics	186	12	90%	0%	1%	9%
Mechanical Engineering	331	108	91%	0%	0%	9%
Medical Laboratory Science	56	8	91%	0%	0%	9%
Microbiology	18	2	94%	0%	0%	6%
Multimedia Journalism	86	9	90%	0%	2%	7%
Music	140	12	91%	0%	0%	8%
Natural Resources Mgmt	110	14	91%	0%	1%	8%

	Non Degree Undergraduate	9	169	56%	28%	0%	16%
	Nursing	1079	140	76%	0%	14%	10%
	Occupational Safety/Health Mgt	47	7	93%	0%	1%	6%
	Operations Management	31		76%	0%	0%	24%
	Ped Cont Know 3rd-6th	50	1	94%	0%	0%	6%
	Ped Cont Know PreK-3rd	183	8	95%	0%	0%	5%
	Ped Cont Know PreK-6th	189	2	96%	0%	0%	4%
	Philosophy	23	11	93%	0%	1%	6%
	Photography	28	2	90%	1%	3%	6%
	Physical Education	13	1	85%	0%	2%	13%
	Physics	26	5	96%	0%	1%	3%
	Political Science	194	16	89%	1%	1%	9%
	Pre-professional Preparation	744	56	89%	0%	1%	10%
	Product Dsgn & Mfg Engineering	52	20	88%	0%	0%	12%
	Psychology	1056	98	82%	0%	1%	17%
	Public and Nonprofit Admin	61	13	66%	0%	3%	30%
	Radiation Therapy	72	5	87%	0%	4%	10%
	Recreational Therapy	82	10	85%	0%	2%	13%
	Religious Studies	1	1	42%	0%	26%	32%
	Respiratory Care	2	10	53%	0%	0%	47%
	Social Work	314	69	71%	0%	10%	19%
	Sociology	66	12	85%	0%	0%	15%
	Spanish	52	13	90%	0%	3%	7%
	Special Education	197	4	92%	1%	0%	8%
	Sport Management	259	15	76%	0%	4%	20%
	Statistics	90	14	88%	0%	0%	11%
	Studio Art	208	35	90%	0%	2%	8%
	Supply Chain Management	296	19	80%	0%	0%	19%
	Theatre	30	4	92%	0%	2%	6%
	Therapeutic Recreation	5	8	66%	0%	26%	8%
	Wildlife Biology	97	7	96%	0%	0%	3%
	Women, Gender & Sexuality Stdy	22	4	76%	0%	3%	22%
	Writing	114	29	87%	0%	3%	10%
Graduate	Accounting	64	28	79%	0%	0%	21%
	Applied Computer Science	96	27	55%	0%	2%	43%
	Applied Linguistics		1	0%	0%	100%	0%
	Applied Statistics	5	1	90%	0%	4%	6%
	Athletic Training	14	1	88%	0%	12%	0%
	Biology	22	11	63%	0%	34%	3%
	Biomedical Sciences	15	14	91%	0%	8%	1%
	Biostatistics	21	8	85%	0%	8%	6%
	Business General	35	73	96%	0%	3%	0%
	Cell & Molecular Biology	28	13	91%	0%	7%	3%



Clinical Dietetics	34	2	60%	0%	23%	17%
Communications	19	22	78%	0%	20%	2%
Computer Information Systems	.	5	67%	0%	0%	33%
Criminal Justice	17	8	59%	1%	3%	38%
Cybersecurity	21	9	37%	0%	2%	61%
Data Science and Analytics	83	27	63%	0%	5%	32%
Educational Leadership	4	189	41%	9%	31%	20%
Educational Technology	4	19	2%	0%	5%	93%
Engineering	21	34	88%	0%	9%	3%
English	.	17	54%	0%	46%	0%
General Education	.	10	23%	0%	38%	38%
Health Administration	34	30	77%	0%	5%	18%
Health and Bioinformatics	46	7	55%	0%	4%	41%
Higher Education	42	21	60%	0%	18%	23%
Instruction & Curriculum	29	107	16%	0%	16%	68%
Leadership	1	30	77%	0%	0%	23%
Literacy Studies	.	59	3%	0%	7%	90%
Medical Dosimetry	21	1	5%	0%	39%	57%
Non Degree Graduate	2	81	74%	0%	4%	22%
Nursing	41	28	25%	0%	34%	41%
Occupational Therapy	112	33	81%	0%	9%	10%
Philan & Nonprofit Leadership	2	15	61%	0%	3%	35%
Physical Therapy	174	1	68%	0%	32%	0%
Physician Assistant Studies	141	3	50%	15%	28%	7%
Public Administration	19	49	76%	0%	4%	20%
Public Health	74	16	86%	0%	14%	0%
Reading	.	1	0%	0%	0%	100%
Recreational Therapy	13	.	65%	0%	0%	35%
School Counseling	24	79	13%	0%	1%	86%
School Psychology	21	15	44%	0%	24%	31%
Social Innovation	7	25	60%	0%	12%	29%
Social Work	171	133	45%	4%	15%	36%
Special Education	2	76	29%	0%	24%	47%
Speech-Language Pathology	99	1	55%	0%	42%	3%
Taxation	.	4	43%	0%	0%	57%
Water Resource Policy	1	3	77%	0%	12%	12%

**b. Evaluate enrollment patterns over the last five years –**

In the last 5 years, overall enrollment has declined, from 25,049 to 21,648. Over that period, undergraduate enrollment declined by 15%, while graduate headcount decreased by 4%. At the same time though, graduate enrollment underwent a significant shift from part-time to full-time, so full-time equivalent graduate enrollment increased by about 1%. Sixteen percent of fall 2022 credit hours are in fully online classes.

**c. Project enrollment patterns over the next five years –**

We project recovering undergraduate enrollment during 2024-2028, with 20,000 to 23,000 students attending classes at the Allendale and Grand Rapids campuses. We project moderate growth in graduate enrollments, as we expand programs strategically to meet both employer and student demand. Online instruction will continue to expand as appropriate for learners’ needs and curricular demand.

**d. Provide instructional staff/student and administrative staff/student ratios for major academic programs or college –**

**Fall 2022 Staffing Ratios by College**

	FTE Faculty per FTE Student	FTE Other Staff per FTE Student
College of Education and Community Innovation	0.05	0.03
College of Health Professions	0.07	0.03
College of Liberal Arts & Sciences	0.06	0.01
Brooks College of Interdisciplinary Studies	0.05	0.03
Kirkhof College of Nursing	0.10	0.06
Padnos College of Engineering & Computing	0.08	0.02
Seidman College of Business	0.04	0.02

**e. Project future staffing need based on five-year enrollment estimate and future programming changes -**

Staffing will need to keep pace with enrollment. This will include strategic hiring in select new academic areas as new programs are created in areas of strong demand.

**f. Identify current average class size and projected average class size based on institution’s mission and planned programming changes –**

The average size of a GVSU class is 24 students. This is not projected to change in the next five years.

#### IV. Facility Assessment

##### a. Summary description of each facility –

Building Count	Building Name	Type	Type	Type	Type	Year Completed
1	Lake Michigan Hall	Classroom 90%			Office 10%	1963; Addition-1996
2	Lake Superior Hall	Classroom 90%			Office 10%	1963
3	Seidman House	Library 100%				1964; Addition - 2001
4	Lake Huron Hall	Classroom 50%			Office 50%	1964; Addition-2020
5	Copeland Living Center	Dormitory 100%				1966; Addition - 2001
6	Central Utilities Building	Service 100%				1966
7	The Commons	Dining Hall 90%			Office 10%	1967; Addition-1995
8	Robinson Living Center	Dormitory 100%				1967; Addition - 2000
9	Mackinac Hall	Classroom 50%			Office 50%	1967; Additions-1998, 2002, 2008
10	Manitou Hall	Classroom 50%			Office 50%	1968
11	Fieldhouse & Rec Center	Gymnasium 50%			Office 50%	1968; Additions - 1982, 1995, 2002, 2016, 2017
12	James H. Zumberge Hall	Administrative 100%				1969; Addition-2014
13	Performing Arts Center	Classroom 80%	Auditorium 10%		Office 10%	1971; Additions - 1976, 1997, 1998, 2001, 2016,2017
14	Kistler Living Center	Dormitory 100%				1971; Additions-2001, 1972

15	Boat House	Warehouse 100%				1972
16	Kirkhof Center	Dining Hall 20%	Service 65%		Office 15%	1973; Additions- 2002, 2008
17	Service Building	Service 50%			Office 50%	1973; Additions- 1985, 1986, 2001, 2017, 2018
18	Grounds Shed near SER	Service 100%				2012
19	Ravine Center	Dormitory 100%				1973
20	TV Transmitter Building	Service 100%				1973; Additions- 2003
21	Au Sable Hall	Classroom 90%			Office 10%	1976; Additions- 1990, 1993, 2014
22	Calder Art Center	Classroom 90%			Office 10%	1997; Additions- 1977, 1990, 1996, 2004
23	Football Center	Gymnasium 100%				1979; Additions- 1998, 2019
24	Football Pressbox	Service 100%				1979; Additions- 2000, 2017
25	Maple Living Center	Dormitory 100%				1987
26	Oak Living Center	Dormitory 100%				1987
27	Pine Living Center	Dormitory 100%				1987
28	DeVos Living Center	Dormitory 100%				1989
29	Pew Living Center	Dormitory 100%				1989
30	Pickard Living Center	Dormitory 100%				1989
31	Kleiner Commons	70% Dining		30% Office		1989; Additions- 2000, 2014
32	Instructional Technology	Service 100%				1990
33	Cook-DeWitt Center	Auditorium 100%				1991
34	Meadows Pump House - Hole 3	Service 100%				1992

35	Meadows Maintenance Building	Service 100%				1993
36	Meadows Learning Center	Classroom 100%				1993; Additions-2014
37	Meadows Club House	Dining 50%	Service 45%	Classroom 5%		1993; Addition-2008
38	Cook Carillon Tower	Service 100%				1994
39	Arend and Nancy Lubbers Student Services Center	Service 50%			Office 50%	1995; Addition-2018
40	Henry Hall	Classroom 50%			Office 50%	1995
41	Padnos Hall of Science	Classroom 30%	Laboratory 20%		Office 50%	1995
42	Children's Enrichment Center	Service 100%				1995
43	Swanson living Center	Dormitory 100%				1997
44	Seidman Living Center	Dormitory 100%				1997
45	Laker Village Apartments	Dormitory 100%				1997; Additions-1998-PH 2A, 1999-PH 2B
46	LVA - Community Building (North)	Dormitory 100%				1997
47	LVA - Community Building (South)	Dormitory 100%				1999
48	Kirkpatrick Living Center	Dormitory 100%				1998
49	Stafford Living Center	Dormitory 100%				1998
50	Calder Residence	Dormitory 100%				1999
51	Baseball Scoring Box	Service 100%				1998
52	Baseball Locker Room Building	Service 100%				1998
53	Alumni House	Service 100%				2000

54	Grand Valley Apartments	Dormitory 100%				2000
55	Frey Living Center	Dormitory 100%				2001
56	Hills Living Center	Dormitory 100%				2001
57	North C Living Center	Dormitory 100%				2001
58	Multi-Purpose Facility (Odie Building)	Service 100%				2002
59	Athletics Shed near Odie Building	Service 100%				2019
60	Ella Koeze-Weed Living Center	Dormitory 100%				2002
61	Icie Macy Hoobler Living Center	Dormitory 100%				2002
62	Paul A. Johnson Living Center	Dormitory 100%				2002
63	Arnold C. Ott Living Center	Dormitory 100%				2002
64	Murray Living Center	Dormitory 100%				2004
65	VanSteeland Living Center	Dormitory 100%				2004
66	South Utilities Building	Service 100%				2004
67	South Entry Ticket Office - Lubbers Stadium	Service 100%				2004
68	GVSU Campus Health Center	Hospital 100%				2004
69	Art Gallery Support Building	Service 100%				2004; Addition-2010
70	Lake Ontario Hall	Classroom 50%			Office 50%	2005
71	Soccer Pressbox	Service 100%				2005
72	Maintenance Pump House	Service 100%				2004

73	Meadows Pump House - Between Holes 6 and 7	Service 100%				2004
74	Softball Pressbox	Service 100%				2007
76	Garage - Luce Ave.	Service 100%				2008
77	Glenn A. Niemeyer Learning and Living Center - East Housing	Dormitory 100%				2008
78	Glenn A. Niemeyer Learning and Living Center - West Housing	Dormitory 100%				2008
79	Glenn A. Niemeyer Learning and Living Center - Honors College	Classroom 90%			Office 10%	2008
80	Kelly Family Sports Center	Gymnasium 100%				2008
81	Fillmore Storage Building	Warehouse 100%				2009
82	Grounds Storage Garage near GVA and South Apartments	Warehouse 100%				2010
83	South Apartments C	Dormitory 100%				2010
84	South Apartments D	Dormitory 100%				2010
85	South Apartments E	Dormitory 100%				2010
86	South Campus Storage Building	Warehouse 100%				2010
87	The Blue Connection	Dining Hall 90%	Classroom 10%			2010
88	South Concessions - Lubbers Stadium	Service 100%				2011

89	GVSU Student Rec. Fields - Building A - Track Scoring Facility	Service 100%				2011
90	GVSU Student Rec. Fields - Building B - Support Facility	Service 100%				2011
91	GVSU Student Rec. Fields - Building C - Support Facility	Service 100%				2011
92	GVSU Student Rec. Fields - Building D - Rugby Support Facility	Service 100%				2011
93	Mary Idema Pew Library	Library 100%				2013
94	The Lubbers Stadium Ticket Booth - North Entrance	Service 100%				2014
95	The Marketplace	Service 90%			Office 10%	2015
96	P. Douglas Kindschi Hall of Science	Classroom 20%	Laboratory 50%		Office 30%	2015
97	Holton-Hooker Learning and Living Center	Classroom 11%	Dormitory 85%		Office 4%	2016
98	Tennis Court Storage Building	Service 100%				2018
99	TV-35/52 Control Building/ Kalamazoo	Service 100%				1985
100	WGVU - AM Caledonia	Service 100%				
101	WGVU - FM Coopersville	Service 100%				
102	WGVU - AM Muskegon	Service 100%				



103	Meijer Campus (Holland)	Classroom 90%			Office 10%	1998
104	Lake Michigan Center	Classroom 10%	Laboratory 10%		Office 80%	2001
105	GVSU Transmitter Building/ Kalamazoo	Service 100%				2003
106	Muskegon Innovation Hub	Service 90%			Office 10%	2004; Addition-2013
107	AWRI Boat Storage Building (Muskegon)	Warehouse 100%				2008
108	Detroit Center (Detroit)	Classroom 90%			Office 10%	2012
109	Robert B. Annis Field Station (Muskegon)	Laboratory 90%	Classroom 5%		Office 5%	2013
110	Michillinda Road Antenna Tower, Fruitland Township	Service 100%				2016
111	Standale Plaza	Service 100%				2017
112	Eberhard Center	Classroom 90%				1988
113	The Depot	Office 100%				1994
114	Richard M. DeVos Center	Classroom 75%	Auditorium 1%	Library 9%	Office 15%	2000; Addition-2008
115	Secchia Hall	Dormitory 100%				2000
116	Keller Engineering Lab	Engineering 90%			Office 10%	2000
117	Steelcase Building	Service 75%			Office 25%	2002
118	Cook-DeVos Center for Health Sciences	Science 70%		Library 2%	Office 28%	2003
119	Winter Hall	Dormitory 100%				2003
120	Seward Parking Lot Ramp	Garage 100%				2004

121	Kennedy Hall of Engineering	Engineering 80%			Office 20%	2007
122	609 Watson	Warehouse 50%			Office 50%	2008
123	L. William Seidman Center	Classroom 50%	Classroom 50%		Office 45%	2013
124	Bicycle Factory Condominium Unit 2, Unit 3 and Common Space	Office 100%				2010
125	Innovation Design Center	Classroom 50%			Office 50%	2017
126	Raleigh J. Finkelstein Hall	Laboratory 51%	Classroom 16%		Office 33%	2018
127	Daniel and Pamella DeVos Center for Interprofessional Health	Laboratory 50%	Classroom 20%	Office 20%	Library 10%	2021
128	335 Michigan Shared Parking Ramp	Garage 100%				2021

**b. Building and/or classroom utilization rates –**

Fall 2022 utilization of space on its main campuses is described as follows. General-purpose classrooms were used at 59% of capacity during peak hours, 25% during off-peak, 29% during evening hours, and 1% during weekends. Laboratory utilization was 43% during peak hours, 18% during off-peak, 18% in the evening, and 1% during weekends.

**c. Mandated facility standards for specific programs, where applicable (i.e. federal/industry standards for laboratory, animal, or agricultural research facilities, hospitals, use of industrial machinery, etc.)**

A small species facility is operated in the Padnos Hall of Science and the P. Douglas Kindschi Hall of Science located on the Allendale campus. These facilities conform to regulations issued by the U.S. Department of Agriculture.

A water species facility is operated at the Water Resources institute (Muskegon, Michigan) research site. This facility conforms to regulations issued by the U.S. Department of Agriculture.

**d. Functionality of existing structures and space allocation to program areas served.**

Existing structures meet the functionality of the programs which operate within the buildings. These facilities meet applicable codes and standards. Crowding exists in facilities used by computing information systems curriculums. Integrated technology and flexible furniture

upgrades are needed in classroom spaces to improve functionality, facilitate active student engagement and collaborative learning.

**e. Replacement value of existing facilities –**

<b>Building Count</b>	<b>Building Name</b>	<b>2022 - 2023 Building Values</b>	<b>2022 - 2023 Contents</b>	<b>2022 - 2023 Fine Arts</b>	<b>2022 - 2023 Library</b>	<b>2022 - 2023 Total Values</b>
1	Lake Michigan Hall	\$6,864,737	\$1,337,090	\$26,231	\$0	\$8,228,058
2	Lake Superior Hall	\$6,853,739	\$458,009	\$28,079	\$0	\$7,339,827
3	Seidman House	\$1,890,000	\$267,418	\$22,000	\$5,250,000	\$7,429,418
4	Lake Huron Hall	\$10,538,271	\$1,575,000	\$38,954	\$0	\$12,152,225
5	Copeland Living Center	\$5,942,179	\$31,766	\$0	\$0	\$5,973,945
6	Central Utilities Building	\$9,183,141	\$6,144,258	\$4,560	\$0	\$15,331,959
7	The Commons	\$9,415,367	\$649,598	\$15,484	\$0	\$10,080,449
8	Robinson Living Center	\$7,298,431	\$22,013	\$1,000	\$0	\$7,321,444
9	Mackinac Hall	\$18,287,000	\$5,250,000	\$200,560	\$0	\$23,737,560
10	Manitou Hall	\$6,989,939	\$3,690,668	\$3,000	\$0	\$10,683,607
11	Fieldhouse, Arena, Pool & Recreation Center	\$58,903,098	\$6,557,125	\$36,965	\$0	\$65,497,188
12	James H. Zumberge Hall	\$28,564,699	\$2,840,363	\$645,172	\$0	\$32,050,234
13	Thomas J. and Marcia J. Haas Center for Performing Arts	\$29,567,944	\$4,557,315	\$400,125	\$0	\$34,525,383
14	Grace Olkistler Living Center	\$9,297,334	\$33,687	\$2,000	\$0	\$9,333,022
15	Boat House	\$190,259	\$37,528	\$0	\$0	\$227,787
16	Kirkhof Center	\$19,350,411	\$468,353	\$146,307	\$0	\$19,965,071
17	Service Building	\$4,653,220	\$1,085,926	\$58,120	\$0	\$5,797,266
19	Ravine Center	\$442,361	\$7,757		\$0	\$450,118
20	TV Transmitter Building	\$375,071	\$2,455,119	\$0	\$0	\$2,830,189
21	Au Sable Hall	\$11,292,183	\$906,542	\$143,379	\$0	\$12,342,104

22	Calder Art Center	\$15,368,119	\$1,616,025	\$33,098	\$0	\$17,017,242
23	Jamie Hosford Football Center	\$6,532,992	\$4,209,102	\$0	\$0	\$10,742,094
24	Football Pressbox	\$2,124,436	\$0	\$0	\$0	\$2,124,436
25	Maple Living Center	\$1,340,913	\$116,275	\$0	\$0	\$1,457,189
26	Oak Living Center	\$1,340,913	\$116,275	\$3,500	\$0	\$1,460,689
27	Pine Living Center	\$1,340,913	\$116,275	\$1,000	\$0	\$1,458,189
28	DeVos Living Center	\$2,168,284	\$229,004	\$0	\$0	\$2,397,288
29	Robert C. Pew Living Center	\$2,168,284	\$229,004	\$0	\$0	\$2,397,288
30	William F. Pickard Living Center	\$2,168,284	\$229,004	\$1,250	\$0	\$2,398,538
31	Robert Kleiner Commons	\$8,609,955	\$1,673,358	\$7,330	\$0	\$10,290,643
33	Cook-DeWitt Center	\$2,424,080	\$502,334	\$17,530	\$0	\$2,943,943
37	Meadows Club House	\$2,806,108	\$494,673	\$800	\$0	\$3,301,582
38	Cook Carillon Tower	\$645,033	\$383,422	\$2,000	\$0	\$1,030,455
39; 40; 41	Padnos, Henry Hall & Student Services Complex	\$72,345,866	\$7,022,907	\$113,803	\$0	\$79,482,576
42	Children's Enrichment Center	\$542,055	\$21,301	\$3,900	\$0	\$567,256
43	Maxine M. Swanson living Center	\$2,673,199	\$135,168	\$4,065	\$0	\$2,812,431
44	Seidman Living Center	\$2,673,199	\$135,168	\$9,530	\$0	\$2,817,896
45	Laker Village Apartments	\$27,132,818	\$405,504	\$2,750	\$0	\$27,541,072

46	Laker Village Apartments - Community Building (North)	\$440,694	\$49,882	\$1,375	\$0	\$491,951
47	Laker Village Apartments - Community Building (South)	\$440,694	\$49,882	\$1,375	\$0	\$491,951
48	William A. Kirkpatrick Living Center	\$4,032,439	\$356,498	\$634	\$0	\$4,389,571
49	Dale Stafford Living Center	\$4,032,439	\$356,498	\$1,000	\$0	\$4,389,937
50	Alexander Calder Residence	\$2,196,465	\$110,838	\$800	\$0	\$2,308,103
51	Baseball Scoring Box	\$75,941	\$6,368	\$0	\$0	\$82,309
52	Baseball Locker Room Building	\$75,941	\$6,368	\$0	\$0	\$82,309
53	Alumni House and Visitor Center	\$2,298,315	\$498,771	\$35,389	\$0	\$2,832,475
54	Grand Valley Apartments	\$13,534,259	\$1,165,835	\$8,800	\$0	\$14,708,894
55	Edward J. Frey Living Center	\$2,274,588	\$289,643	\$2,500	\$0	\$2,566,732
56	Arthur C. Hills Living Center	\$2,558,912	\$289,643	\$680	\$0	\$2,849,236
57	North C Living Center	\$5,516,160	\$624,373	\$400	\$0	\$6,140,933
60; 61	Weed & Hoobler Living Centers	\$9,254,565	\$1,048,328	\$3,588	\$0	\$10,306,481
62; 63	Johnson & Ott Living Center	\$8,542,675	\$966,947	\$5,312	\$0	\$9,514,934
64; 65	Murray & Van Steeland Living Center	\$27,358,444	\$4,172,677	\$9,318	\$0	\$31,540,439
66	South Utilities Building	\$931,581	\$1,575,000	0	\$0	\$2,506,581
68	Metro Health GVSU Campus Center	\$266,635	\$22,911	\$5,000	\$0	\$294,546

69	Art Gallery Support Building	\$448,237	\$35,940	\$50,000	\$0	\$534,178
70	Lake Ontario Hall	\$12,235,762	\$1,087,759	\$124,258	\$0	\$13,447,779
74	Softball Pressbox	\$75,941	\$6,368	\$0	\$0	\$82,309
76	Garage - Luce Ave.	\$154,194	\$23,961	\$0	\$0	\$178,155
77; 78; 79	Glenn A. Niemeyer Honors Hall and Living Centers East & West	\$28,455,049	\$3,333,557	\$144,193	\$0	\$31,932,799
80	Kelly Family Sports Center	\$13,203,968	\$1,546,867	\$871	\$0	\$14,751,706
81	Fillmore Storage Building	\$89,648	\$778,714	\$0	\$0	\$868,362
83; 84; 85	South Living Center C, D & E	\$40,189,159	\$4,444,834	\$90,000	\$0	\$44,723,993
87	Blue Connection	\$5,681,250	\$565,501	\$11,600	\$0	\$6,258,351
89; 90; 91; 92	Multi-Purpose Outdoor Rec Facilities	\$1,795,831	\$12,738	\$0	\$0	\$1,808,569
93	Mary Idema Pew Library	\$48,231,306	\$5,334,279	\$884,000	\$25,094,326	\$79,543,910
95	The Marketplace	\$9,860,946	\$4,200,000	\$0	\$0	\$14,060,946
96	P. Douglas Kindschi Hall of Science	\$39,837,000	\$12,379,500	\$110,558	\$0	\$52,327,058
97	Holton-Hooker Learning and Living Center	\$34,416,309	\$2,100,000	\$25,000	\$0	\$36,541,309
99	TV-35/52 Control Building/ Kalamazoo	\$1,568,427	\$1,712,068	\$0	\$0	\$3,280,495
101	WGVU - FM Coopersville	\$70,875	\$324,990	\$0	\$0	\$395,865
102	WGVU - AM Muskegon	\$70,875	\$324,990	\$0	\$0	\$395,865

103	Meijer Campus (Holland)	\$5,900,910	\$667,925	\$62,514	\$0	\$6,631,349
106	Muskegon Innovation Hub	\$4,846,268	\$2,598,389	\$23,958	\$0	\$7,468,615
107	AWRI Boat Storage Building (Muskegon)	\$1,720,184	\$304,275	\$0	\$0	\$2,024,460
108	Detroit Center (Detroit)	\$11,488,496	\$1,270,603	\$115,000	\$0	\$12,874,099
109	Robert B. Annis Field Station (Muskegon)	\$4,023,774	\$1,260,000	\$2,000	\$0	\$5,285,774
111	Standale Plaza	\$892,263	\$0	\$0	\$0	\$892,263
112	Eberhard Center	\$38,591,669	\$8,801,165	\$390,343	\$0	\$47,783,177
113	The Depot	\$339,040	\$50,949	\$0	\$0	\$389,989
114	Richard M. DeVos Center	\$62,989,942	\$10,671,345	\$3,010,000	\$4,242,777	\$80,914,064
115	Secchia Hall	\$10,272,064	\$47,309	\$0	\$0	\$10,319,373
116	Keller Engineering Lab	\$7,136,170	\$1,317,892	\$0	\$0	\$8,454,062
117	Steelcase Building	\$2,550,924	\$1,179,339	\$0	\$0	\$3,730,263
118	Cook-DeVos Center for Health Sciences	\$59,856,489	\$13,524,494	\$345,626	\$535,261	\$74,261,870
119	Winter Hall	\$13,501,959	\$756,132	\$7,655	\$0	\$14,265,746
120	Seward Parking Lot Ramp	\$21,608,311	\$127,373	\$0	\$0	\$21,735,684
121	Kennedy Hall of Engineering	\$14,230,393	\$2,057,004	\$302,687	\$0	\$16,590,083
122	609 Watson	\$1,195,298	\$287,526	\$0	\$0	\$1,482,824
123	L. William Seidman Center	\$33,901,166	\$5,607,000	\$385,000	\$0	\$39,893,166
124	Bicycle Factory Condominium Unit 2, Unit 3 and Common Space	\$5,293,321	\$748,764	\$50,772	\$0	\$6,092,857
125	Innovation Design Center	\$8,364,965	\$1,648,500	\$9,494,000	\$0	\$19,507,465
126	Raleigh J. Finkelstein Hall	\$25,560,151	\$5,092,500	\$287,657	\$0	\$30,940,308

127	Daniel and Pamella DeVos Center for Interprofessional Health	\$59,251,500	\$4,725,000	\$1,516,083	\$31,500	\$65,524,083
128	335 Michigan Shared Parking Ramp	\$0	\$105,000		\$0	\$105,000
129	55 Ionia - Unit 11 - Presidents Residence	\$266,438	\$105,000			\$371,438
130	Belknap Residential Properties	\$1,087,065				\$1,087,065

**f. Utility system condition (i.e., heating, ventilation, and air conditioning (HVAC), water and sewage, electrical, etc.) -**

To ensure continued reliability of critical infrastructure, GVSU assigns internal staff and external consultants to perform engineering studies to assess and improve utility systems and infrastructure on an ongoing basis. Service life, capacity, reliability, redundancy, performance, energy efficiency, environmental compliance, communication, and technology are all considered when prioritizing improvements.

The following engineering studies and utility plans currently exist:

- Allendale Township Water and Sewer Mapping
- Allendale Campus Storm Water Management Plan - GIS
- Allendale Campus Utility Mapping Plan
- Allendale Campus Utility Distribution Study
  - Steam and Condensate System
  - Chilled Water System
  - Electrical Distribution System

The following major infrastructure projects have been recently completed by the University:

- 60,000 #/hr Water Tube Steam Boiler for Central Utilities Building
- DeVos/Secchia Boiler System Replacement
- Central Chilled Water System Optimization
- Electrical Distribution System Cable Replacement & Redundancy
- Building HVAC Major System Replacements – Manitou, Lake Huron, Commons
- Domestic Water System Redundancy

GVSU continues to invest significant financial resources to maintain the integrity of utility systems and infrastructure. The university also utilizes best management practices to ensure long-term safety and return on investment.



For buildings served 100% by public utilities, the university is in contact with public utilities to ascertain conditions and reliability as it relates to university operations.

**g. Facility infrastructure condition (i.e. roads, bridges, parking structures, lots, etc.)–**

To ensure continued reliability of facility infrastructure, GVSU assigns internal staff and external consultants to perform engineering studies to assess and improve facility infrastructure on an ongoing basis.

The following engineering studies and facility plans currently exist:

- Parking & Roadways - 5 Year Plan – All Campuses
- Pedestrian Bridge Structural Inspections
- Parking Structures – Asset Management Plan
- Emergent Maintenance Projects – 5 Year Plan

GVSU continues to invest significant financial resources to maintain the integrity of facility infrastructure. The university also utilizes best management practices to ensure long-term safety and return on investment.

The university also allocates annual funds to improve sidewalks and pedestrian paths for ADA compliance.

**h. Adequacy of existing utilities and infrastructure systems to current and 5-year projected programmatic needs –**

For the Allendale campus, utilities and infrastructure appear adequate for the programmatic needs currently projected for the next 5 years. Additional chilled water infrastructure is currently being studied for increased capacity and redundancy.

For the Grand Rapids campuses and other regional sites, the university is connected entirely to public utilities. There are no reported deficiencies with these systems; however, where different systems were encountered the university has assisted the municipalities in updating the affected utilities.

University owned telecommunication and audio-visual systems are routinely updated to address service life, capacity, and new technologies.

**i. Does the institution have an enterprise-wide energy plan? What are its goals? Have energy audits been completed on all facilities, if not, what is the plan/timetable for completing such audits?**

The university has an enterprise-wide energy plan that considers pricing and purchasing, design standards, conservation measures, preventive maintenance, alternative energy and campus wide involvement. In the past 20 years, Grand Valley State University has implemented over 400 energy-saving projects, policies, and procedures resulting in an energy cost avoidance factor of nearly \$2.6 million annually and additionally \$6 million on an aggregated yearly basis. On a square foot basis, utility consumption has been reduced by 31% for electrical and 34% for natural gas. Grand Valley has long term electrical and natural gas contracts in place out to 2027 and 2028 respectively with 15% renewable wind power out to 2036. Examples of energy projects include lighting improvements, temperature set points and setbacks, installing energy efficient HVAC equipment, improving building system infrastructures, upgrading energy monitoring and controls, improving building HVAC schedules and energy savings education. The university has also reduced water consumption on a sq. ft. basis by 50%.

Energy audits are conducted on a continuing basis and all applicable utilities are metered. This includes electrical, natural gas, steam, and chilled water. Data is reported automatically via our Building Management System (BMS). Utility metrics are consistently used to track usage and energy performance of campus buildings.

In addition to our internal energy strategies, the Grand Valley signed the American College & University Presidents Climate Commitment (ACUPCC). Since its signing in 2007, GVSU continues to track greenhouse gas (GHG) through the ACUPCC and more recently through a software developed specifically for GVSU.

We also continue to submit reports to the Association for the Advancement of Sustainability in Higher Education's (AASHE) Sustainability Tracking Assessment and Rating System (STARS). GVSU has held an AASHE STARS gold rating since 2013 and is the highest ranked university in Michigan. The gold status is based on responses that evaluate commitment to environmental improvement, helping to solve climate problems, and making significant efforts to operate sustainably in its academics, engagement, operations, planning, administration, and innovation. Grand Valley has also been included on the Sierra Club's "Cool Schools" list for six years in a row. This list recognizes the nation's greenest universities and GVSU is the highest-ranking university in the state.

Grand Valley has truly become a nationally recognized leader in sustainability. Twenty-six (26) of the university's construction projects have received different levels of LEED® certification, with the highest designation of LEED® platinum for the Mary Idema Pew Library Learning and Information Commons.

**j. Land owned by the institution and include a determination of whether capacity exists for future development, additional acquisitions are needed to meet future demands, or surplus land can be conveyed for a different purpose.**

The university owns 1,457 acres in Ottawa, Kent, and Muskegon counties and the city of Detroit. There is adequate capacity to meet future development needs and opportunities.

Currently, the university owns approximately 64 acres in the City of Grand Rapids. The total includes land for future expansion of the health professions campus. There is also 11 acres of land bordering the cities of Walker and Grand Rapids for parking expansion to serve students traveling between the university's Allendale and Grand Rapids campuses.

- k. What portions of existing buildings, if any, are currently obligated to the State Building Authority and when these State Building Authority leases are set to expire.**

(Facility Description)	Lease Date	SBA Bond Issue	Expiration Date
Science Lab, Classroom and Office Building (KHS)	2015	2015 Series IR	07/31/2050
Padnos College of Engineering (KEN)	2007	2007 Series I MM	11/30/2042
School of Business and Graduate Library (DEV)	2000	2000 Series I	11/30/2035
Health and Medical Sciences Lab and Classroom Building (DCIH)	2021	2021 Series I	06/30/2056

**V. Implementation Plan**

**The Five-Year Capital Outlay Plan should identify the schedule by which the institution proposes to address major capital deficiencies, and;**

- a. Prioritize major capital projects requested from the State, including a brief project description and estimated cost, in the format provided. (Adjust previously developed or prior years’ figures utilizing industry standard CPI indexes where appropriate).**

Grand Valley State University uses the following factors to guide its prioritization of major capital projects. The university strategic plan, actual and projected enrollment, program changes, strategic initiatives, condition of existing facilities, space required to accommodate program growth and change, critical adjacencies, technology, and utilization of existing facilities. With these factors in mind, GVSU has developed multiple master plans and studies, which are periodically updated.

Grand Valley State University has completed the new strategic plan and campus master plan for the Allendale, Pew, and Health Campuses and Regional Centers. These include:

- Reach Higher 2025
- Campus Master Plan - All Campuses
- Housing & Dining 10-year Plan
- Athletics Master Plan
- Bus Transportation Plan
- Belknap Neighborhood Plan

The findings and recommendations of these activities are being incorporated into the current and future developments.

**Facilities/Capital Plan: 2024-2028**

<b>Proposed Projects</b>	<b>Gross Square Feet</b>	<b>Project Budget</b>
Blue Dot Lab	175,000	\$140,000,000
<b>TOTAL</b>	<b>175,000</b>	<b>\$140,000,000</b>

Projects listed above exceed the \$3,000,000 reporting threshold as required by JCOS.

Priority No. 1 is the proposed Blue Dot Lab. This is the renovation of an existing 1988 academic building plus new addition. This building will house computer science, data science and transdisciplinary degrees at the intersection of Computing, Business, and the Humanities. This building will include spaces for innovation, experimentation, research, and development. This will require digital simulation and visualization spaces for programming and interactions. The spaces will be an innovation accelerator for faculty and students working on research and development projects supported by digital simulation, data analytics and virtual environments. Graduates will have a transdisciplinary foundation and a mindset that allows them to adapt to future changes.

This building will also provide technology rich teaching environments, flexible learning spaces, and collaborative innovation centers. A shift in curriculum will focus on digital fluency, experiential learning, team and project-based learning - providing students with skills and learning opportunities that are most essential for entering the workforce. Also, skills required for innovation, complex problem solving, analytical thinking, creativity and analysis. Program changes are required to prepare students to be career-ready with the skillsets demanded by today’s workforce including interdisciplinary learning and experiences.

The Blue Dot Lab will also be a collaboration space and innovation accelerator for faculty and students working on applied research and development projects supported by digital simulation, data analytics and virtual environments. It will also it will beacon of opportunity igniting a new model of collaboration, transforming how we live and learn, through a unique blend and fusion between educational institutions, startup organizations, entrepreneurs, local businesses, and corporate partners.

**b. If applicable, provide an estimate relative to the institution’s current deferred and structural repairs, including programmatic impact, immediately versus over the next five years.**

The university has completed a comprehensive Facilities Condition Assessment to identify deficiencies and costs for deferred and structural repairs over the next twenty years. The University contracted with a national consultant in the building assessment industry with expertise in property condition assessments. On-site inspections and data collection were completed, asset descriptions were established, and issues were identified for repair and replacement. Projects were estimated and prioritized for annual funding and are included in the university capital maintenance plan. The table below lists deferred maintenance costs for the next five years for 11 of the oldest university buildings.

For the remaining buildings, the university maintains an active and comprehensive list of capital maintenance projects. Projects are identified, estimated and prioritized for annual funding and are included in the university capital maintenance plan. Funding is provided by the general operating

budget or the auxiliary services budget. The estimated cost of deferred maintenance for the remaining buildings over the next five years is \$30 million. The university intends to complete the comprehensive Facilities Condition Assessment for the remaining university buildings over the next several years.



## Requirement Forecast Report

Region : GVSU - 2020 Asset Data Complete\_04192021

Campus: GVSU FCA - 2020

Asset: All

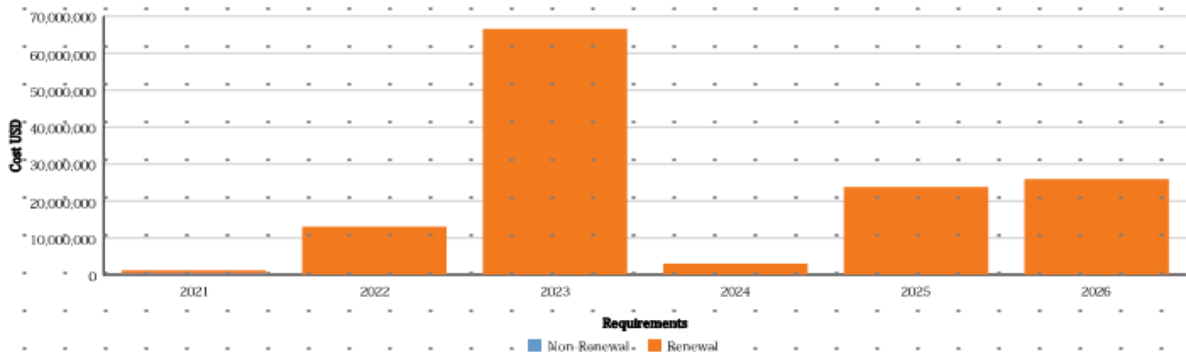
Currency: USD

Period: 6 years

Inflation: 4.70%

The current year is always the Period start date. If "Include past due Action Dates/Renewals" is selected, the cost of those past due Requirements is included in the current year cost.

### Summary of Funding Needed by Requirement Type and Year



Year	Renewal Requirements	Non-Renewal Requirements	Total
2021	864,563	331,389	1,195,952
2022	12,988,961	73,221	13,062,181
2023	66,597,074	0	66,597,074
2024	3,043,546	0	3,043,546
2025	23,684,355	72,826	23,757,182
2026	25,901,935	0	25,901,935
<b>Total</b>	<b>133,080,434</b>	<b>477,436</b>	<b>133,557,870</b>

- c. Include the status of on-going projects financed with State Building Authority resources and explain how completion coincides with the overall Five-Year Capital Outlay Plan.

The Health Sciences Building was the latest building that received authorization for design and construction. Construction of this facility began in May 2018 and was completed on schedule in May 2021.

- d. Identify to the extent possible, a rate of return on planned expenditures. This could be expressed as operational "savings" that a planned capital expenditure would yield in future years.

Both traditional students and adult learners need to advance their digital skills to meet industry

demand and the expectations of today’s workforce. Courses, programs, technology, and opportunities made available in the Blue Dot Lab would be accessible to all students, community members, adult learners and working adults pursuing their professions, completing research or advancing skills required for the work force. Increased enrollments would generate tuition revenue which would support the return on expenditures.

Operational savings would result by centralizing digital learning, use of software tools, production labs, fabrication labs on campus for students in all colleges and areas of study. The Blue Dot Lab will combine technology rich spaces, teaching spaces, flexible learning spaces, and transdisciplinary working spaces into one facility for all learners and faculty to share and utilize. The Blue Dot Lab will promote cross disciplinary teaching, collaboration and connection between faculty, students, community and industry with spaces right sized and technology enhanced

**e. Where applicable, consider alternatives to new infrastructure, such as distance learning.**

GVSU will continue to strategically combine our expertise in online and in-person pedagogies to serve diverse learners where they learn best. We expect that to result in a measured increase in online offerings over time. GVSU has recently developed fully online micro credentials and degree programs to better fit with the busy schedules of working adults, and we will continue to develop in that direction to serve the documented needs of Michigan students.

**f. Identify a maintenance schedule for major maintenance items in excess of \$1,000,000 for fiscal year 2024 through fiscal year 2028.**

- \$1,500,000 DeVos Unit C Skylight Glazing
- \$1,175,000 Athletics Facilities Upgrades
- \$2,900,000 Padnos Lab Exhaust and Fume Hood Controls Ph 1
- \$2,900,000 Padnos Lab Exhaust and Fume Hood Controls Ph 2
- \$2,600,000 Sports Field Turf Replacement
- \$1,500,000 Replace 2nd Boiler at Central Utilities Building
- \$1,100,000 Replace 1200 Ton Centrifugal Chiller
- \$1,000,000 Chilled Water Piping Improvements

**g. Identify the amount of non-routine maintenance the institution has budgeted for in its current fiscal year and relevant sources of financing.**

The university has budgeted \$5.8 million in its general operating budget to address capital maintenance items for academic structures. The university has budgeted \$5.2 million in its auxiliary services budget to address capital maintenance items associated with auxiliary structures. The total budget for capital maintenance in the fiscal year period of 2022-2023 is \$11 million.