



# FY2016-FY2020 Capital Outlay Plan

# Grand Valley State University

## Five-Year Master Plan

FY 2016 – 2020

### I. **Mission Statement**

Grand Valley State University educates students to shape their lives, their professions, and their societies. The university contributes to the enrichment of society through excellent teaching, active scholarship, and public service.

The Board of Trustees approved the institutional vision, mission, and values in February 2003 and a full Strategic Plan 2008-2010 in July 2007, and it endorsed the prior efforts, methodologies, and processes used in the plan. The board also authorized the administration to undertake periodic revisions and updates of the plan to prepare the university for growth and change beyond 2010.

In October 2007, the Strategic Positioning 2010 Committee, a standing university committee comprising representatives from the university's constituent groups, was created to periodically review the university strategic plan for its relevance, currency, and appropriateness for strategically positioning Grand Valley State University for its preferred future. Since its inception, this committee has engaged the university community in the process of updating the strategic plan.

The Grand Valley State University Strategic Plan 2010-2015 [www.gvsu.edu/strategicplanning/](http://www.gvsu.edu/strategicplanning/) is the result of the efforts of the Strategic Positioning Committee 2010. This plan was endorsed by the Grand Valley State University Academic Senate in September 2009 and approved by the university's Board of Trustees in October 2009.

### II. **Instructional Programming**

#### **a. 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. labs, classrooms, current and future distance learning initiatives).**

The factor which is fueling the credit hour growth in existing academic programs is the continued growth in academic credit hours within the health sciences and engineering. The growth in health sciences requires certain foundational classes in the sciences and mathematics. This is also true for those students who choose engineering as a course of study. The demand for the foundational courses has exceeded the utilization capabilities of the existing teaching spaces.

For the sciences, a new State supported facility will be occupied in August 2015. This new facility will relieve the demand in the sciences and reutilization of existing buildings will relieve a portion of the demand in mathematics.

At the existing health sciences facility, the current utilization rate is estimated to be 80% higher than the accepted academic practice of 35 hours per week. This growth in the utilization rate is due in part to historic enrollment growth and the increase in academic program offerings.

A proposed new facility in close proximity to the regional medical facilities will provide the much needed space for the existing and proposed new programs. The updated and revised curriculum will provide the necessary preparation of students entering the health, nursing, medical engineering, and computer based analysis programs. New spaces would be constructed to meet new training protocols, simulation based learning, and group program analysis.

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

**Effective Teaching**

Our highest priority is to offer outstanding teaching in all of our undergraduate and graduate programs. The teaching culture of Grand Valley State University is characterized by the continual development of excellence in the classroom, the recognition of multiple ways of learning, and the accessibility of faculty members to students. In order to nurture the habits of intellectual growth, we seek to instill in our students curiosity as well as the love of learning. Students acquire new knowledge and explore its application through research, artistic expression, engagement with the local community, and scholarly activity. We value the vigorous engagement of students in the classroom and other learning environments.

**Liberal Education**

Grand Valley State University is committed to providing each student a broad educational experience that integrates liberal learning with preparation for a career or profession. Liberal education begins with encountering the great ideas of diverse traditions in the humanities, the visual and performing arts, the natural and social sciences, and mathematics, and is an essential part of all of our professional programs. We value the liberal ideals of critical thinking and preparing students for lifelong learning. The practice of liberal learning develops the skills of inquiry and reflection, which guide students to think for themselves, gain self-knowledge, and make ethical judgments. Such learning can inform individual and collective actions and prepare students for the responsibility of local, national, and global citizenship.

**Scholarship**

Scholarship is an essential component of the university's mission as an institution of higher learning. Excellence in teaching at the university level depends upon active scholarship by faculty members. Through basic and applied research, artistic expression and performance, and other forms of scholarship, faculty members contribute to the development and application of knowledge and create a dynamic environment for learning. Active scholarship may include collaboration of faculty and staff members with students, business and labor, government, and community organizations. In this way, the benefits of a liberal education and specific disciplines can extend beyond classroom walls to lifelong learning and partnerships between the university and its diverse communities and the greater community.

### **Service**

Grand Valley State University values the collaboration of faculty members, staff members, and students with external partners in addressing mutual interests and regional needs. The university offers the communities it serves resources and inspiration in their own lifelong pursuit of knowledge. Faculty and staff members are encouraged to contribute their expertise and service to the university, their disciplines' professional organizations, and working in partnership with the community. Students are encouraged to be active citizens, to become active service providers, and to take part in various service-learning and volunteer opportunities in the community and abroad.

### **Inclusiveness**

Possessing and mastering a range of thoughtful perspectives is necessary for open inquiry, a liberal education, and a healthy community. Recognizing this, Grand Valley seeks to include, engage, and support a diverse group of students and faculty and staff members. The institution values a multiplicity of opinions and backgrounds, and is dedicated to incorporating multiple voices and experiences into every aspect of its operations. We are committed to building institutional capacity and strengthening our liberal education through providing an inclusive environment for all of our Grand Valley constituents.

### **Community**

Grand Valley State University values its connections to, participation with, and responsibility for local communities, the West Michigan region, the state, the nation, and the world. The university embraces the participation of diverse individuals, groups, and organizations from every corner of the globe and both encourages and supports the participation of its students and faculty and staff members in educational opportunities abroad. To foster and expand these community connections, the institution and its members promote, value, and honor diverse perspectives. We seek to act with integrity, communicate openly and honestly, and accept responsibility for our words and actions.

### **Sustainability**

Grand Valley State University values the guiding principles of sustainability in helping to meet the current needs of our faculty and staff members and students without compromising the needs and resources of future generations. We are committed to working with our community partners to create a sustainable future for our university, our community, and our region. We will model applied sustainability best practices in our campus operations and administration, education for sustainable development, student involvement, and community engagement by promoting social responsibility, encouraging environmental stewardship, and creating efficiencies and value for the work we perform. We will provide our students with excellence in education for sustainable development by imbedding theory, systems-oriented thinking, and service-learning into our curricular and extracurricular program

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

The continued growth in the local medical and healthcare industry and the medical research industry is increasing the demand for qualified professionals. The demand is such that several State educational intuitions have joined in meeting the demand for educated

professionals. Grand Valley State University is the educator of practically all of the professions except for medical doctors and pharmacists.

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

The communities that host our campuses are among the state's most vibrant - each enjoys greater economic health because of Grand Valley's presence. Grand Valley creates more than \$732 million in economic activity in West Michigan, leading to the creation of more than 10,800 private sector jobs. Our 86,000 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 and alternative energy preserve and protect our environment. We're nationally recognized as a green campus. The philanthropic community has helped Grand Valley to construct new facilities, easing the burden on taxpayers while creating thousands of construction jobs. For more details, refer to Grand Valley's [Economic Impact site](#).

**III. Staffing and Enrollment**

**a. Current full and part-time student enrollments levels -**

		Full-time	Part-time	Allendale /Grand Rapids	Other Sites	Independent study / Fieldwork / Internship / Practicum	On-line
<b>Bachelors</b>	<b>Accounting</b>	607	74	98%	0%	0%	1%
	<b>Advertising &amp; Public Relations</b>	411	40	96%	0%	3%	1%
	<b>Allied Health Sciences</b>	861	86	99%	0%	0%	1%
	<b>Anthropology</b>	114	17	98%	0%	1%	0%
	<b>Art Education</b>	29	6	98%	0%	2%	0%
	<b>Art History</b>	9	1	98%	0%	2%	0%
	<b>Athletic Training</b>	277	17	100%	0%	0%	0%
	<b>Behavioral Science</b>	.	3	100%	0%	0%	0%
	<b>Biochemistry</b>	25	2	100%	0%	0%	0%
	<b>Biology</b>	581	68	99%	0%	1%	1%
	<b>Biomedical Sciences</b>	1137	118	99%	0%	1%	1%
	<b>Biopsychology</b>	73	8	99%	0%	0%	1%
	<b>Broadcasting</b>	143	14	95%	0%	4%	1%
	<b>Business Economics</b>	152	8	98%	0%	1%	1%
	<b>Business General</b>	816	49	99%	0%	0%	1%
	<b>Cell &amp; Molecular Biology</b>	75	15	99%	0%	1%	0%
	<b>Chemistry</b>	154	16	98%	0%	2%	0%
	<b>Chinese Studies</b>	12	2	100%	0%	0%	0%
	<b>Classics</b>	28	9	96%	0%	3%	1%

<b>Communication Studies</b>	<b>302</b>	<b>38</b>	96%	0%	3%	0%
<b>Comp Sci &amp; Arts for Teaching</b>	<b>329</b>	<b>24</b>	98%	0%	0%	1%
<b>Computer Engineering</b>	<b>100</b>	<b>11</b>	100%	0%	0%	0%
<b>Computer Science</b>	<b>366</b>	<b>51</b>	99%	0%	0%	0%
<b>Criminal Justice</b>	<b>608</b>	<b>67</b>	98%	1%	1%	1%
<b>Dance</b>	<b>54</b>	<b>1</b>	98%	0%	2%	0%
<b>Degree Seeking Undergraduate</b>	<b>1169</b>	<b>76</b>	99%	0%	0%	0%
<b>Diagnostic Medical Sonography</b>	<b>272</b>	<b>32</b>	99%	0%	1%	0%
<b>Earth Science</b>	<b>14</b>	<b>2</b>	100%	0%	0%	0%
<b>Economics</b>	<b>61</b>	<b>7</b>	98%	0%	1%	1%
<b>Education</b>	<b>1303</b>	<b>75</b>	97%	0%	1%	1%
<b>Electrical Engineering</b>	<b>160</b>	<b>30</b>	100%	0%	0%	0%
<b>Engineering</b>	<b>13</b>	<b>35</b>	98%	2%	0%	0%
<b>English</b>	<b>624</b>	<b>60</b>	98%	0%	1%	1%
<b>Exercise Science</b>	<b>949</b>	<b>106</b>	96%	0%	4%	0%
<b>Film Video</b>	<b>299</b>	<b>32</b>	98%	0%	2%	0%
<b>Finance</b>	<b>529</b>	<b>58</b>	98%	0%	1%	1%
<b>French</b>	<b>31</b>	<b>4</b>	98%	0%	1%	1%
<b>General Management</b>	<b>22</b>	<b>3</b>	100%	0%	0%	0%
<b>Geography</b>	<b>47</b>	<b>4</b>	97%	0%	0%	3%
<b>Geology</b>	<b>73</b>	<b>7</b>	99%	0%	0%	1%
<b>Geology-Chemistry</b>	<b>5</b>	<b>1</b>	100%	0%	0%	0%
<b>German</b>	<b>17</b>	<b>3</b>	98%	0%	2%	0%
<b>Group Social Studies</b>	<b>288</b>	<b>27</b>	96%	1%	2%	2%
<b>Health Communication</b>	<b>87</b>	<b>13</b>	97%	0%	3%	0%
<b>Health Professions</b>	<b>13</b>	<b>15</b>	97%	0%	2%	1%
<b>History</b>	<b>143</b>	<b>36</b>	97%	0%	1%	1%
<b>Hospitality Tourism Management</b>	<b>406</b>	<b>60</b>	95%	0%	2%	2%
<b>Human Resources Management</b>	<b>4</b>	<b>2</b>	96%	0%	0%	4%
<b>Information Systems</b>	<b>163</b>	<b>33</b>	98%	0%	0%	1%
<b>Integrated Science</b>	<b>114</b>	<b>5</b>	99%	0%	0%	1%
<b>Interdisciplinary Engineering</b>	<b>59</b>	<b>4</b>	100%	0%	0%	0%
<b>International Business</b>	<b>165</b>	<b>10</b>	100%	0%	0%	0%
<b>International Relations</b>	<b>135</b>	<b>13</b>	98%	0%	1%	0%
<b>Journalism</b>	<b>64</b>	<b>8</b>	98%	0%	2%	1%
<b>Legal Studies</b>	<b>114</b>	<b>18</b>	98%	0%	1%	1%
<b>Liberal Studies</b>	<b>134</b>	<b>138</b>	75%	14%	4%	6%
<b>Management</b>	<b>430</b>	<b>89</b>	97%	0%	1%	2%
<b>Marketing</b>	<b>627</b>	<b>61</b>	99%	0%	1%	1%
<b>Mathematics</b>	<b>358</b>	<b>27</b>	97%	0%	1%	1%

	<b>Mechanical Engineering</b>	526	89	100%	0%	0%	0%
	<b>Medical Imaging/Radiation Sci</b>	8	1	100%	0%	0%	0%
	<b>Medical Laboratory Science</b>	67	16	98%	0%	2%	0%
	<b>Music</b>	206	10	99%	0%	1%	0%
	<b>Natural Resources Mgmt</b>	199	20	97%	0%	2%	1%
	<b>Non Degree Undergraduate</b>	1	74	98%	1%	0%	1%
	<b>Nursing</b>	965	225	86%	0%	13%	1%
	<b>Occupational Safety/Health Mgt</b>	53	9	98%	0%	2%	0%
	<b>Operations Management</b>	2		100%	0%	0%	0%
	<b>Philosophy</b>	54	12	97%	0%	2%	1%
	<b>Photography</b>	86	10	96%	0%	4%	0%
	<b>Physical Education</b>	200	28	90%	0%	6%	3%
	<b>Physics</b>	45	8	99%	0%	1%	0%
	<b>Political Science</b>	173	21	98%	1%	1%	0%
	<b>Pre-Med Tech</b>	744	30	99%	0%	0%	0%
	<b>Product Dsgn &amp; Mfg Engineering</b>	134	19	100%	0%	0%	0%
	<b>Psychology</b>	1002	152	98%	0%	1%	1%
	<b>Public and Nonprofit Admin</b>	178	27	94%	0%	4%	1%
	<b>Radiation Therapy</b>	84	3	96%	0%	4%	0%
	<b>Radiologic &amp; Imaging Sciences</b>	27	2	99%	0%	0%	1%
	<b>Religious Studies</b>	7	2	97%	0%	3%	0%
	<b>Russian Studies</b>	3	2	100%	0%	0%	0%
	<b>Social Work</b>	408	73	90%	0%	8%	1%
	<b>Sociology</b>	142	16	97%	1%	2%	0%
	<b>Spanish</b>	139	19	96%	0%	3%	1%
	<b>Special Education</b>	310	22	98%	0%	0%	1%
	<b>Statistics</b>	110	15	100%	0%	0%	0%
	<b>Studio Art</b>	218	21	97%	0%	2%	0%
	<b>Supply Chain Management</b>	154	21	98%	0%	0%	1%
	<b>Theatre</b>	45	5	97%	0%	1%	2%
	<b>Therapeutic Recreation</b>	136	4	92%	0%	7%	0%
	<b>Women and Gender Studies</b>	47	3	96%	0%	3%	1%
	<b>Writing</b>	175	27	98%	0%	1%	1%
<b>Graduate</b>	<b>Accounting</b>	60	39	98%	0%	2%	0%
	<b>Biology</b>	19	15	68%	0%	32%	0%
	<b>Biomedical Sciences</b>	5	6	83%	0%	17%	0%
	<b>Biostatistics</b>	28	9	95%	0%	5%	0%
	<b>Business General</b>	33	185	95%	4%	1%	0%
	<b>Cell &amp; Molecular Biology</b>	20	13	80%	0%	16%	4%
	<b>Communications</b>	9	41	86%	0%	14%	0%

Computer Information Systems	25	53	98%	0%	2%	0%
Criminal Justice	12	11	90%	0%	10%	0%
Educational Leadership	7	306	37%	24%	33%	6%
Educational Technology	1	42	80%	0%	3%	17%
Engineering	28	26	92%	0%	8%	0%
English	4	22	83%	0%	15%	2%
General Education	1	96	49%	2%	30%	19%
Health Administration	30	43	93%	0%	6%	1%
Higher Education	80	40	88%	0%	8%	4%
Instruction & Curriculum	46	188	30%	2%	16%	53%
Leadership	3	27	67%	31%	2%	0%
Literacy Studies	7	122	44%	1%	24%	31%
Medical & Bioinformatics	14	4	96%	0%	4%	0%
Non Degree Graduate	20	225	79%	6%	1%	14%
Nursing	55	56	78%	0%	22%	0%
Occupational Therapy	107	17	91%	0%	9%	0%
Philan & Nonprofit Leadership	1	4	100%	0%	0%	0%
Physical Therapy	158	.	71%	0%	29%	0%
Physician Assistant Studies	143	.	75%	0%	25%	0%
Public Administration	61	121	88%	1%	4%	7%
Public Health	75	18	97%	0%	0%	3%
Reading	.	18	38%	0%	38%	24%
School Counseling	14	29	67%	0%	24%	9%
School Psychology	11	.	69%	0%	8%	23%
Social Work	208	183	70%	16%	14%	0%
Special Education	7	101	44%	5%	26%	25%
Speech-Language Pathology	85	.	59%	0%	41%	0%
Taxation	6	25	100%	0%	0%	0%

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

We project stable to slightly increasing undergraduate enrollment for 2015 – 2020, with 21,000 – 23,000 (FTE) students primarily 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. On-line instruction will continue to expand as one way to address students’ demands for curricular flexibility, but on-line-only academic programs are not projected to be a significant part of our academic offerings over the next five years.

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

In the last 5 years, overall enrollment increased by 2.8%, from 24,408 in fall 2009 to 25,094 in fall 2014. All of that headcount growth was in undergraduate enrollment, but graduate



enrollment underwent a significant shift from part-time to full-time, full-time equivalent graduate enrollment increased by 17.6%. The number of student credit hours delivered online has doubled in the last 5 years, but still accounts for less than 2% of GVSU credits.

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

Fall 2014	FTE Faculty per FTE Student	FTE Other Staff per FTE Student
Brooks College of Interdisciplinary Studies	0.04	0.07
College of Community and Public Service	0.04	0.08
College of Education	0.07	0.08
College of Health Professions	0.07	0.06
College of Liberal Arts and Sciences	0.05	0.05
Kirkhof College of Nursing	0.10	0.10
Padnos College of Engineering and Computing	0.07	0.06
Seidman College of Business	0.04	0.07

**e. Project future staffing needs based on five-year enrollment estimates 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 27 students. This is not projected to change in the next 5 years.

**IV. Facility Assessment**

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

<u>Campus Building</u>	<u>Type</u>	<u>Type</u>	<u>Type</u>	<u>Type</u>	<u>Year Completed</u>
Lake Michigan Hall	Classroom 90%			Office 10%	1963
Lake Superior Hall	Classroom 90%			Office 10%	1963
Seidman House	Library				1964

Seidman House Addition	Office				2001
Lake Huron Hall	Classroom 90%			Office 10%	1964
Copeland Living Center	Dormitory				1966
Central Utilities Building	Service				1966
The Commons	Dining Hall 90%			Office 10%	1967
The Commons Addition	Dining Hall 90%			Office 10%	1995
Robinson Living Center	Dormitory				1967
Mackinac Hall	Classroom 50%			Office 50%	1967
Mackinac Hall Addition	Classroom 50%			Office 50%	1998
Mackinac Hall Addition	Classroom 50%			Office 50%	2002
Mackinac Hall Addition	Classroom 50%			Office 50%	2008
Manitou Hall	Classroom 50%			Office 50%	1968
Fieldhouse	Gymnasium 50%			Office 50%	1968
Zumberge Hall	Administrative				1969
Zumberge Addition I	Administrative				2014
Performing Arts Center	Classroom 80%	Auditorium 10%		Office 10%	1971
Scene Shop Addition	Service				1976
PAC Addition	Classroom 80%			Office 10%	1997
PAC Addition	Classroom 80%			Office 10%	1998
PAC Addition	Classroom 80%			Office 10%	2001
Kistler Living Center	Dormitory				1971
Boat House	Warehouse				1972
Kirkhof Center	Dining Hall 25%	Service 60%		Office 15%	1973
Kirkhof Center Addition	Service 90%			Office 10%	2002
Kirkhof Center Addition	Service 90%			Office 10%	2008
Service Building	Service 50%			Office 50%	1973
Warehouse Addition	Warehouse				1985
Vehicle Shelter	Warehouse				1986
Mailroom/Mezzanine	Service				
Service Building Addition	Office				2001
Ravine Apartments	Dormitory				1973

Ravine Center	Service				1973
TV Transmitter Building	Service				1973
GVSU Transmitter Building Addition	Service				2003
Au Sable Hall	Classroom 90%			Office 10%	1976
Au Sable Hall Addition I	Classroom 90%			Office 10%	1990
Au Sable Hall Addition II	Classroom 90%			Office 10%	1993
Au Sable Hall Addition III	Classroom 90%			Office 10%	2014
Calder Art Center	Classroom 90%			Office 10%	1997
Cedar Studio	Classroom				1977
Water Resources Institute	Laboratory				1990
Ceramics Building	Classroom				1996
Calder Art Center Addition	Classroom				2004
Hazardous Material Storage	Warehouse				1977
Football Center	Gymnasium				1979
Press Box	Service				1979
University Guest House	Dormitory				1982
Hoobler Living Center	Dormitory				1987
Johnson Living Center	Dormitory				1987
Ott Living Center	Dormitory				1987
Weed Living Center	Dormitory				1987
DeVos Living Center	Dormitory				1989
Pew Living Center	Dormitory				1989
Pickard Living center	Dormitory				1989
Kleiner Commons	Dining Hall 90%			Office 10%	1989
Instructional Technology	Service				1990
Cook- DeWitt Center	Auditorium				1991
Meadows Pump House	Service				1992
Meadows Maintenance Bldg.	Service				1993
Meadows Learning Center	Classroom				1993
Meadows Clubhouse	Dining 50%	Service 45%	Classroom 5%		1993
Cook Carillon Tower	Service				1994
Student Services Building	Service 50%			Office 50%	1995
Henry Hall	Classroom 50%			Office 50%	1995
Padnos Hall of Science	Classroom 30%	Laboratory 20%		Office 50%	1995

Children Center	Service				1995
Swanson Living Center	Dormitory				1997
Seidman Living Center	Dormitory				1997
Laker Village Apt.'s - Phase 1	Dormitory				1997
Laker Village Apt.'s - Phase 2A	Dormitory				1998
Laker Village Apt.'s - Phase 2B	Dormitory				1999
LVA - Community Bldg. (North)	Dormitory				1997
LVA - Community Bldg. (South)	Dormitory				1999
Kirkpatrick Living Center	Dormitory				1998
Stafford Living Center	Dormitory				1998
Calder Residence	Dormitory				1999
Baseball Scoring Box #1	Service				1998
Baseball Scoring Box #2	Service				1998
Alumni House	Service				2000
Grand Valley Apartments	Dormitory				2000
Frey Living Center	Dormitory				2001
Hills Living Center	Dormitory				2001
North C	Dormitory				2001
Multi-purpose Facility	Service				2002
North A	Dormitory				2002
North B	Dormitory				2002
West A	Dormitory				2002
West B	Dormitory				2002
House 4227 Lake Michigan Drive	Service				2003
Murray Living Center	Dormitory				2004
VanSteeland Living Center	Dormitory				2004
South Utilities Building	Service				2004
South Entry Ticket Office	Service				2004
Campus Health Center	Hospital				2004
Art Gallery Support Facility	Service				2004
Art Gallery Support Facility Addition	Classroom				2010
Lake Ontario Hall	Classroom 50%			Office 50%	2005
Soccer Pressbox	Service				2005
Pump House - Maintenance	Service				2004
Pump House - Meadows	Service				2004
Soffball Pressbox	Service				2007
House - Luce Ave.	Service				2008
Garage - Luce Ave.	Warehouse				2008

Niemeyer East	Dormitory				2008
Niemeyer West	Dormitory				2008
Honors College	Classroom 90%			Office 10%	2008
Kelly Family Sports Center	Gymnasium				2008
Fillmore Storage Building	Warehouse				2009
Grounds Storage Garage	Warehouse				2010
South Apartments C	Dormitory				2010
South Apartments D	Dormitory				2010
South Apartments E	Dormitory				2010
the Connection	Dining Hall 90%	Classroom 10%			2010
South Concession	Service				2011
GVSU Student Rec. Fields - Building A	Service				2011
GVSU Student Rec. Fields - Building B	Service				2011
GVSU Student Rec. Fields - Building C	Service				2011
GVSU Student Rec. Fields - Building D	Service				2011
Mary Idema Pew Library	Library				2013
TV-35/52 Control Building/Kalamazoo	Service				1985
WGVU-AM Caledonia	Service				
WGVU-FM Coopersville	Service				
WGVS-AM Muskegon	Service				
President's Residence	Service				
Meijer Campus (Holland)	Classroom 90%			Office 10%	1998
Lake Michigan Center (Muskegon)	Classroom 10%	Laboratory 10%		Office 80%	2001
GVSU Transmitter Building/Kalamazoo	Service				2003
Michigan Alternative & Renewable Energy Ctr.	Service 90%			Office 10%	2004
AWRI Boat Storage Building (Muskegon)	Warehouse				2008
Detroit Center (Detroit)	Classroom 90%			Office 10%	2012
Technology Demonstration Building	Service				2013
Robert B. Annis Field Station (Muskegon)	Laboratory 90%	Classroom 5%			2013
Eberhard Center	Classroom 90%			Office 10%	1988
The Depot	Office				1994
Richard M. DeVos Center	Classroom 75%	Auditorium 1%	Library 9%	Office 20%	2000

Secchia Hall	Dormitory				2000
Keller Engineering Building	Engineering				2000
Steelcase Storage Building	Service				2002
Cook-DeVos Center for Health Sciences	Science				2003
Winter Hall	Dormitory				2003
Seward Parking Lot Ramp	Garage				2004
Kennedy Hall of Engineering	Engineering				2007
609 Watson	Laboratory 5%	Warehouse 95%			2008
L. William Seidman Center	Classroom 50%	Auditorium 5%		Offices 45%	2013

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

General purpose classrooms are used at 72% of capacity during peak hours, 57% during off-peak, 48% during evening hours and 3% during weekends. Laboratory utilization is 52% during peak hours, 42% during off-peak, 21% in evening, and 2% during weekends (Fall 2014).

**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 located on the Allendale campus. 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.**

All existing structures meet the functionality of the programs which operate within the buildings. These facilities meet applicable codes and standards which may be in place for each facility.

Crowding exists in facilities used by the movement sciences, communication arts, illustrative arts, music, sciences, and the health sciences curriculums. The 2015 completion of the new science lab structure in Allendale will relieve crowding in the sciences.

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

Building Name	14-15 Building	14-15 Contents	14-15 Fine Arts	14-15 Library Values	14-15 Total Values
Alumni House	2,000,674	436,193	35,389	0	2,472,257
Au Sable Hall	5,623,117	453,522	48,453	0	6,125,092
Baseball Scoring Box	66,106	5,570	0	0	71,676
Boat House	165,620	32,820	0	0	198,439

Calder Art Center	13,377,889	495,009	31,598	0	13,904,496
Calder Living Center	1,912,015	96,931	800	0	2,009,746
Central Utilities	13,139,745	202,857	4,060	0	13,346,663
Children's Center	471,856	18,628	3,900	0	494,385
Commons/Fresh Food Co.	8,196,042	568,097	15,484	0	8,779,623
Cook Carillon Tower	561,500	335,315	0	0	896,815
Cook-Dewitt Center	2,110,153	439,309	17,530	0	2,566,992
Copeland Living Center	5,172,644	27,780	0	0	5,200,425
DeVos Living Center	1,887,483	200,273	0	0	2,087,756
Fieldhouse	39,332,208	4,472,674	13,965	0	43,818,846
Frey Living Center	1,980,020	253,304	2,500	0	2,235,824
Grand Valley Apartments	8,965,941	1,019,564	835	0	9,986,341
Hills Living Center	2,227,523	253,304	680	0	2,481,507
Hoobler Living Center	1,167,260	101,687	1,500	0	1,270,447
North Living Centers A & B	8,056,064	916,800	3,588	0	8,976,452
Instructional Technology (CUB)	55,469	22,279	0	0	77,748
Johnson Living Center	1,167,260	101,687	2,000	0	1,270,947
Kirkhof Center	16,844,459	409,591	146,307	0	17,400,357
Kirkpatrick Living Center	3,510,223	311,770	634	0	3,822,627
Kistler Living Center	8,093,294	29,461	2,000	0	8,124,755
Kleiner Commons	2,782,394	185,930	7,330	0	2,975,654
Kleiner Commons Addition & Renovations	7,500,000				7,500,000
Lake Huron Hall	4,923,947	333,356	28,934	0	5,286,237
Lake Michigan Hall	5,975,727	1,169,334	26,231	0	7,171,292
Lake Superior Hall	5,966,153	400,545	28,079	0	6,394,777
Laker Village Apts	23,619,015	354,628	2,750	0	23,976,393
Padnos Hall – Henry Hall – Student Services	57,473,033	11,671,096	113,803	0	69,257,932
Lubbers Stadium & Football Complex	6,143,955	111,392	0	0	6,255,347
Laker Village Apts -Community Bldg (North)	383,623	43,623	1,375	0	428,620
Laker Village Apts-Community Bldg (South)	383,623	43,623	1,375	0	428,620
Mackinac Hall	14,666,705	1,498,817	200,560	0	16,366,082
Manitou Hall	6,084,715	3,227,622	3,000	0	9,315,337
Meadow's Buildings	2,442,706	432,610	800	0	2,876,117
North Living Center C	4,801,797	546,037	400	0	5,348,234
Ott Living Center	1,167,260	101,687	3,500	0	1,272,447
Performing Arts Center	12,891,849	386,334	124,125	0	13,402,308
Pew Living Center	1,887,483	200,273	0	0	2,087,756
Pickard Living Center	1,887,483	200,273	1,250	0	2,089,006
Press Box	0	0	0	0	0
Ravine Apt. A, B, C, D, E, F, G, H	7,461,204	23,516	0	0	7,484,720
Ravine Center	385,073	6,783	68	0	391,924
Robinson Living Center	6,353,256	19,252	1,000	0	6,373,508
Seidman House	1,651,902	233,866	5,022,000	0	6,907,768
Seidman Living Center	2,327,009	118,209	9,530	0	2,454,748
Service Building	4,050,610	949,681	7,620	0	5,007,911
Softball Scoring Box	66,106	5,570	0	0	71,676
Murray & VanSteeland Living Centers	23,815,422	3,649,156	9,318	0	27,473,896
Stafford Living Center	3,510,223	311,770	0	0	3,821,993

Swanson Living Center	2,327,009	118,209	4,065	0	2,449,283
University Guest House	265,978	19,001	0	0	284,980
Weed Living Center	1,167,260	101,687	0	0	1,268,947
Zumberge Library	27,428,782	2,484,000	121,862		30,034,644
801 Plymouth - President's House	959,061	30,881	117,843	0	1,107,785
Cook-DeVos Center For Health Sciences	41,076,408	11,361,931	345,626	509,772	53,293,737
Depot	295,133	44,556	0	0	339,689
DeVos Center	54,832,505	9,332,476	2,086,007	4,040,740	70,291,728
Eberhard Center	33,593,901	7,696,935	208,687	0	41,499,524
Keller Engineering Building	6,212,009	1,152,543	0	0	7,364,553
Pew Campus Parking Structure	18,809,953	111,392	0	0	18,921,345
Secchia Hall	8,941,793	41,373	0	0	8,983,166
Steelcase Building	2,278,304	1,058,191	0	2,930,524	6,267,019
Winter Hall	11,753,404	661,264	7,655	0	12,422,324
Meijer Campus	5,136,719	584,123	62,514	0	5,783,356
Lake Michigan Center	3,918,258	556,957	111,137	0	4,586,352
MAREC	4,218,658	2,272,386	23,958	0	6,515,002
WGVU -- Allendale	0	0	0	0	0
WGVU -- Allendale TV Transmitter Building	761,885	2,147,090	0	0	2,908,974
WGVU -- Allendale Tower	1,974,368	0	0	0	1,974,368
WGVU -- Allendale Satellite Building	136,052	1,084,563	0	0	1,220,614
WGVU -- Allendale Antennas	720,525	0	0	0	720,525
WGVU -- Kalamazoo	0	0	0	0	0
WGVU -- Kalamazoo Building #1	81,631	61,265	0	0	142,896
WGVU -- Kalamazoo Tower	440,260	0	0	0	440,260
WGVU -- Kalamazoo Building #2	415,642	1,435,999	0	0	1,851,641
WGVU -- Kalamazoo Tower	801,657	0	0	0	801,657
WGVU -AM Muskegon	162,645	284,215	0	0	446,860
WGVU-FM Whitehall -	0	125,538	0	0	125,538
WGVU-AM Kentwood	136,708	284,215	0	0	420,924
WGVU-FM Coopersville	136,708	284,215	0	0	420,924
WRI - Muskegon	1,560,753	278,479	111,137	0	1,950,369
Art Gallery Support	390,188	31,431	4,500,000	0	4,921,620
Campus Health Center Building	232,105	20,036	0	0	252,141
Lake Ontario Hall	10,651,185	951,284	124,258	0	11,726,727
Multi-Purpose Outdoor Rec Facilities	8,344,620	11,139	0	0	8,355,759
Kennedy Hall Of Engineering	12,387,503	1,798,924	302,687	0	14,489,114
Niemeyer Honors Hall and Niemeyer Living Centers East & West	24,770,013	2,915,315	144,193	0	27,829,521
Kelly Family Sports Center	11,494,004	1,352,791	871	0	12,847,666
Bicycle Factory (BIK)	0	654,821	48,772	0	703,593
Fillmore Storage	78,038	681,014	0	0	759,051
House & Garage Luce Street	134,225	20,954	0	0	155,179
Watson Building	1,040,502	251,451	0	0	1,291,953
South Living Centers C, D & E	34,984,510	3,887,167	0	0	38,871,677
The Connection	4,945,506	494,551	11,600		5,451,657
L. William Seidman Center	23,585,496	2,620,608	385,000	0	26,591,104
Mary Idema Pew Library and Information Commons	43,076,783	4,786,309	734,000	20,968,834	69,565,926



Robert B. Annis Field Station	3,502,680	0			3,502,680
West Living Centers A&B	7,436,367	845,629	3,312		8,285,308
Au Sable Addition & renovations	6,834,000	0			6,834,000
GVSU Detroit Center	10,000,692	1,111,188			11,111,880
<b>TOTALS</b>	<b>791,119,226</b>	<b>103,477,504</b>	<b>15,379,454</b>	<b>28,449,870</b>	<b>938,426,055</b>

**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 has internal staff and external consultants holistically review the utility distribution systems as an ongoing component of our campus accountability. Age, capacity, future expansions, reliability, bottlenecks, conduit sizes, pressures, and cost estimates are a sampling of what the studies contain. All utility system studies are publically available for review as it strives to sync our capital improvements and transparency initiatives.

The studies indicate a state of good repair and reliability. GVSU continues to invest significant financial and personnel resources to maintain the integrity of the utility systems. The university also utilizes best management practices to ensure long-term safety and return on investment.

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

The university completes periodic evaluations for infrastructure conditions including outside consultant inspections and reports. Roads, curbs, sidewalks, bridges, parking lots, and parking structures, etc. are inspected annually by internal personnel and periodically by outside consultants familiar with the infrastructure. Following these inspections, improvements and repairs identified to sustain the integrity of the infrastructure are then funded or scheduled as part of annual project development. Grand Valley completes annual improvements to each of these infrastructure features.

The university has an annual allocation of funds for sidewalks and other pedestrian path improvements. This funding is periodically adjusted to accommodate the increase in paths to be maintained. Emphasis is placed on paths which are critical to compliance with the ADA.

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

For the Allendale campus, and consistent with the conditions referenced in section IV (f & g), GVSU has utility and infrastructure systems in place that meet the current and 5-year projected programmatic needs of the university. This includes both new and repurposed campus infrastructure.

The university has been systematically upgrading the university-owned electrical transmission system on the Allendale campus. The 1960-70 era cabling is being replaced in phases so that campus operations are not affected.

Recent upgrades in the cooling systems have increased reliability and efficiency of these systems by replacing 70s-era cooling equipment.

For the Grand Rapids campus and other regional sites, the university is connected entirely to public utilities. There are no reported deficiencies with these systems.

**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?**

Yes, the university has an enterprise-wide energy plan that takes into account pricing/purchasing, design standards, conservation measures, preventive maintenance, alternative energy and campus wide involvement. In the past 15 years, Grand Valley State University has implemented over 250 energy-saving projects, policies, and procedures resulting in an energy cost avoidance factor of nearly \$2 million annually. Examples 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.

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). Those meters not automatically read are recorded manually. Utility metrics are consistently used to track usage and energy performance of campus buildings.

In addition to our internal energy strategies, the university signed the American College & University Presidents Climate Commitment (ACUPCC). Since its signing in 2007, we continue to meet the requirements of submitting greenhouse gas (GHG) reports to the ACUPCC and to the Association for the Advancement of Sustainability in Higher Education (AASHE). In the most recent AASHE report, GVSU was the only Michigan institution to receive a gold status based on responses that evaluate commitment to environmental improvement, helping to solve climate problems, and making significant efforts to operate sustainably.

Grand Valley has truly become a nationally recognized leader in sustainability. Nineteen of the university's construction projects have received differing levels of LEED® certification, with the most recent designation of LEED® platinum for the Mary Idema Pew Library Learning and Information Commons. Also, for the past several years, Grand Valley has been recognized as one of the country's greenest universities. In August 2014, the Sierra Club recognized the university in this regard for the third year in a row, making Grand Valley the highest ranking institution in Michigan.

**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 Allendale campus consists of 1,322 acres. There is adequate capacity to meet future development needs and opportunities.

The Holland and Muskegon locations are intended to remain as specialized operations and the existing land holdings meet projected needs.

Currently, the university owns approximately 67 acres in the City of Grand Rapids. This total includes land for future expansion of the health professions campus and 18 acres 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
Padnos College of Engineering	2007	2007 Series I MM
School of Business and Graduate Library	2000	2000 Series I

**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 capital expenditures projects (new construction and remodeling) actual and projected enrollment and program growth, utilization rates of the current facilities, space required to provide student, faculty, and staff spaces to accommodate enrollment and program growth, critical adjacencies, technological and other programmatic factors, and actual condition of existing facilities. With these factors in mind, GVSU has developed fourteen master plans and studies which are periodically updated.

Consistent with its process of reviewing its facilities on a 5 year basis, Grand Valley State University is currently undertaking an overall review of master plan studies completed in 2006 through 2010. This review, coupled with re-allocation of space following the completion of the new library and business program structures, permitted the university to gain a better alignment of facilities with the academic programs. Studies and master plans being reviewed or undertaken include the following:

- |                                    |   |
|------------------------------------|---|
| Allendale Campus Master Plan       | Michigan Street Health Sciences Complex       |
| Pew Campus Master Plan             | Student Recreation Space Analysis             |
| Holland Campus Master Plan         | <b>LEED®</b> Compliance Standard, 2009 vs. V4 |
| Allendale Domestic Water & Sewer   | Allendale Storm Water Management              |
| Allendale Steam and Chilled Water  | Allendale Electrical Distribution             |
| Campus Landscape Standard and Plan | Student Housing and other auxiliaries         |
| Campus-wide Parking Plan           | Bus Transportation Plan                       |

The findings and recommendations of these activities are being incorporated into the current and future developments. The 2016-2020 capital development plan identifies 764,100 square feet of additional structures, additional student parking, and renewal efforts in existing buildings.

**Facilities/Capital Plan: 2016-2020**

<b><u>Proposed Projects</u></b>	<b><u>Gross Square Feet</u></b>	<b><u>Project Budget</u></b>
-Movement Science & Student Recreation Bldg.	70,000	20,000,000
-Student Housing/Academic Classroom Bldg.	230,000	41,000,000
-Communications/Performing Arts Addition To the Performing Arts Center	150,000	60,000,000
-Facilities Service Building Addition	26,000	12,000,000
-Health Programs Expansion/New Building Including/300 vehicle parking structure	95,000	50,000,000
<b>TOTAL</b>	<b>571,000</b>	<b>\$183,000,000</b>

**Projects Under Construction**

Allendale Classroom/Labs*	151,000	55,000,000
Bookstore & Retail Marketplace	42,100	12,000,000
<b>TOTAL</b>	<b>193,100</b>	<b>\$67,000,000</b>

\*State Capital Outlay Project

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

Priority No. 1 is the proposed construction of a new facility to serve the health professions programs. This new structure would be located in close proximity to the existing building; certain services would be shared between the two buildings to assist in managing long term operating costs. This new classroom, teaching lab, and office building would assist in reducing the crowding within the existing building and enable the university to cancel existing leases. The new structure would be designed to meet all applicable codes and standards, including LEED® certification.

- 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.**

Not applicable.

- 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 Science Lab Building is under construction. The building is 75% complete and will be substantially complete in July 2015. It will be occupied and placed in student service in August 2015. This is consistent with the previously submitted Capital Outlay plans.

- 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.**

Increased enrollments in the health sciences field would generate tuition and service dollars across the campus. The proposed new programs and increased enrollment in existing programs will add critically needed health care providers across the region.

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

GVSU believes that distance learning offers some excellent opportunities for higher education. Currently, GVSU offers about 5% of its courses online. For its online instruction, GVSU strongly prefers blended online course delivery, meaning that there is always a face-to-face component to the online instruction because published research and our own experience has shown that blended online course instruction is the most effective way of delivering online course content and produces the strongest retention rate. To help meet a critical shortage of trained medical personnel in northern Michigan, in Fall Semester of 2015 GVSU will begin teaching a group of Physician Assistant students in Traverse City and simultaneously teaching a Grand Rapids-based group, using synchronous distance learning. Of that cohort of students, 36 students will be based in Grand Rapids and 12 in Traverse City. We plan to increase the size of the cohort from 48 to 60.

- f. Identify a maintenance schedule for major maintenance items in excess of \$1,000,000 for fiscal year 2016 through fiscal year 2020.**

The university does not have any individual maintenance items in excess of \$1,000,000.

- 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 \$ 4.1 million in its general operating budget to address capital maintenance items for academic structures. This sum is increased as space increases. The university has budgeted \$ 2.7 million in its auxiliary services budget to address capital maintenance items associated with auxiliary structures. These sums increase as space increases.

The total budget for capital maintenance in the fiscal year period of 2013-2014 was \$ 5.8 million.