

HEALTH PROFESSIONS STUDY +  
UNIVERSITY OF NORTH DAKOTA

**nexus**  
SOLUTIONS®



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# INTRODUCTION

## Introduction and Background

The University of North Dakota (UND) has identified its Health Professions academic programs as key areas for growth. These programs are anticipated to experience significant expansion in the coming years to meet the evolving needs of the population. To strategically plan for this expansion, UND undertook a comprehensive analysis of existing building and program relationships. Reviewing existing facilities and comparing utilization rates provided critical insights for developing a programmatic understanding of future space needs.

This analysis revealed three compelling factors driving the need to rethink spaces used by Health Professions programs:

- **Enhanced Educational Efficiency and Capacity:** Additional shared educational spaces across health professions programs would promote more efficient space utilization and support expansion of student enrollment to address ongoing healthcare workforce shortages in the state.
- **Support for Burgeoning Research:** The need for new or relocated research space is crucial to accommodate the flourishing health professions research enterprise.
- **Modernization and Efficiency:** New space is also needed to replace outdated and expensive-to-maintain existing educational and research facilities.

## Objectives

Various objectives were identified when initiating this master plan study. Below is a list of overall goals, as well as near term and long term objectives:

- Strategically plan a blueprint for the future of departments within Health Professions.
- Create a holistic plan to establish future goals and strategies to drive academic and student services needs.
- Compare occupational demands and the relevant degree programs offered by UND.
- Define space needs in new and existing buildings to meet current and future needs.

### Near Term objectives

- Address immediate space challenges of various programs
- Expand research activity space

### Long Term objectives

- Enhance educational experience and outcomes
- Promote inter-professional education of various health professionals.
- Increase operational and space efficiencies.
- Create a 'Health Professions Neighborhood' as a hub of learning while simultaneously creating opportunities for cross-disciplinary collaboration.



UND President  
Andrew Armacost

## Process

Nexus Solutions and JLG Architects used the following processes to collect and evaluate information:

- Conduct departmental interviews to gather information on existing space use, areas of concern, and learn about aspects of growth
- Provide questionnaires to department leaders to share with colleagues to collect insight into space use.
- Gather information from the Office of the Registrar to conduct space utilization studies.
- On-site documentation and analysis
- Facility condition reports

# INTRODUCTION

## Assessment Assumptions

Through extensive consultations with Health Professions stakeholders, Facilities department personnel, and faculty from the School of Medicine and Health Sciences (SMHS), a series of key assumptions were established to provide a framework for the development of the Health Professions Masterplan. These assumptions are as follows:

- **Demolition Schedule:** Hyslop Building demolition is anticipated for 2025, with Columbia Building and the College of Nursing Building demolition planned for the coming years.
- **Center for Biomedical Research (CBR-1) Building:** This building will remain, serving as the core facility. Shared infrastructure elements (mechanical, plumbing, IT) will be relocated.
- **Bookstore Relocation:** The current bookstore location will be vacated, creating additional space opportunities.
- **Programmatic Adjacencies:** Health Professions departments expressed a strong desire for co-location of similar program elements (research, clinic, and classroom spaces) to foster inter-departmental collaboration.

## Department and Program - Health Professions and School of Medicine and Health Sciences

For a comprehensive overview of program affiliations within the Health Professions and School of Medicine and Health Sciences, please refer to the list below:

### HEALTH & WELLNESS PROGRAMS

Alumni & Community Relations	Biomed Sciences   Neuroscience Research
Biomed Sciences   Anatomy Labs	Northern Plains Community Clinic
Biomed Sciences   Biomedical Research	Nursing
Biomedical Sciences	Nutrition + Dietetics
Clinic Social Work	Obstetrics-Gynecology
Community Sciences + Disorders	Occupational Therapy
Counseling	Pathology
Dean's Office Med	Pediatrics
Emergency Medicine	Physical Therapy
Biomed Sciences   Epigenetics Research	Physician Assistant Program
Family + Community Medicine	Population Health
Geriatrics	Psychiatry + Behavioral Sciences
Indians Into Medicine	Psychology
Indigenous Health	Population Health & Public Health
Kinesiology	Rural Health
Medical Lab Sciences	Simulation Center
Microbiology Labs in Columbia (approx. 4,000 SF)	Sports Medicine
Neurology	Student Affairs & Financial Aid Office
	Surgery

# KEY CONTRIBUTORS



## Initial UND Participants

### School of Medicine & Health Sciences

Joshua Wynne | Dean of School of Medicine  
David Relling | Associate Dean of Health Sciences  
Ken Ruit | Sr. Associate Dean of Education and Faculty Affairs  
Colin Combs | Associate Dean for Research Affairs &  
Chair of Biomedical Sciences  
Namil Choi | Associate Dean for Admin & Finance  
Terry Nelson | Director of Finance  
Mary Hamilton | Administrative Secretary  
Jon Allen | Director of Simulation Center  
Jeanie McHugo | Chair of PA Studies  
Steven Westereng | Chair of Sports Medicine  
Sarah Nielsen | Chair of Occupational Therapy  
Cindy Flom-Meland | Chair of Physical Therapy  
Brooke Solberg | Chair of Medical Laboratory Science  
Ashley Bayne | Asst Director for the Public Health Program  
Thomas Peterson | Facilities & Safety Director  
David Wilson | Assoc VP for Health Research, Chair of Indigenous Health  
Donald Sens | Professor of Pathology  
Michael Ulrich | UAS Research Scientist  
Gary Schwartz | Chair of Population Health  
Zauna Synnott | Department Manager of Indigenous Health  
Jessi Nicola | Program Administrator of UND Simulation Center  
Wendy Warner | Associate Director of Rural Health  
Brad Gibbons | Acting Director of the Center for Rural Health  
Nasser Hammami | CIO of IT  
Tass Wood | Administrative Assistant in SMHS  
Dani Stramer | Administrative Assistant

### College of Medicine

Randal Luehring | Facility Manager for Center for Biomedical Research  
John Mihelich | Interim VP for Research & Economic Development  
Darin Meulebroeck | Attending Veterinarian at Division of Research  
Jeffrey Holm | Vice Provost for Strategic Programming & Special Initiatives  
Michele Carroll | Executive Assistant to the Provost  
Scott Correll | Registrar's Office  
Robert Hodek | Drafting Technician  
Laura Vatnsdal | Scheduler in Registrar's Office  
Leslie Bjore | Director of Planning & Design  
Craig Berntsen | Space Information Manager  
Michael Nord | Assistant Director of Energy & Sustainability  
Brian Larson | Director of Construction Management  
Corey Shock | Assistant Director of MEP  
Mark Johnson | Interim Associate VP of Facilities

### College of Engineering

Kouhyar Tavakolian | Executive Director of BioInnovation Zone

### College of Education

Deborah Worley | Chair/Professor of Education, Health & Behavior  
Cheryl Hunter | Interim Dean of Education & Human Development  
Jesse Rhoades | Associate Professor/Director, BiPed Lab  
Melissa Quincer | Professor of Counseling Psychology & Co-Director of NPCC  
Rachel Navarro | Professor of Counseling Psychology & Training Director

### College of Arts & Science

Daphne Pederson | Associate Dean of Arts & Science  
Jessica Foley | Communication Sciences & Disorders  
JP Legerski | Psychology  
Joelle Ruthig | Department Chair of Psychology  
Andre Kehn | Department Chair of Psychology (elect)  
Joseph Miller | Clinical Psychology Director of Clinic Training  
Manish Rami | Department Chair of CSD  
Sarah Robinson | Department Chair of CSD (elect)

### College of Nursing

Maridee Shogren | Dean CNPD/Clinical Professor  
Desiree Tande | Department Chair of Nutrition & Dietetics  
Stephanie Christian | Chair of Nursing  
Kris Hendrickx | Chair of Graduate Nursing  
Bret Weber | Professor of Social Work  
Glenda Lindseth | Professor of Nursing  
Ellen Steidle | Simulation Director of Nursing  
Dori Dunnigan | Account Specialist



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# EXECUTIVE SUMMARY

## Introduction & Masterplan Goals

The University of North Dakota (UND) is committed to fostering a robust Health Professions education program to address future workforce needs. In line with the university's strategic vision, this Masterplan was developed to create a comprehensive Health Professions platform. This platform will enhance academic excellence, student success, and prepare graduates to tackle emerging healthcare challenges.

The Masterplan involved a thorough analysis of current Health Professions programs, facilities, and functionalities. This data was used to design a future-oriented blueprint that optimizes UND's Health Professions offerings and positions the university as a leader in healthcare education.



## Summary of the Masterplan

The masterplan process revealed both existing challenges within UND's Health Professions facilities and the potential benefits to create a more integrated Health Professions 'neighborhood'. By focusing on these key elements, the masterplan establishes a foundation to develop preliminary space allocation strategies.

### Challenges:

- **Fragmented Programs:** Health Professions programs are scattered across 11 buildings, some over 100 years old, hindering collaboration and development of modern learning environments.
- **Inefficient Infrastructure:** Deferred maintenance costs and outdated facilities limit the ability to create innovative learning spaces.
- **Limited Growth Potential:** Existing facilities constrain the expansion of programs to meet future healthcare industry needs.

### Solutions:

- **Strategic Consolidation:** Relocating and consolidating programs will foster collaboration and optimize space utilization.
- **Renovation and Modernization:** Upgrading existing buildings will create contemporary learning environments.
- **Targeted Expansion:** A new addition to the School of Medicine and Health Sciences will support program growth and interdisciplinary learning.

### Benefits:

- **Enhanced Collaboration:** Proximity will foster program synergies and cross-disciplinary learning.
- **Improved Learning Environments:** Modernized facilities will support innovative teaching methods.
- **Future-Proofed Programs:** Expansion will allow UND to meet evolving healthcare workforce demands.
- **Reduce campus on-going maintenance:** smaller final square footage will help eliminate deferred maintenance costs

### Next Steps:

Space allocation diagrams were developed based on program needs and enrollment projections. These plans will help guide the renovation and construction of facilities to create a unified and future-oriented Health Professions learning environment.

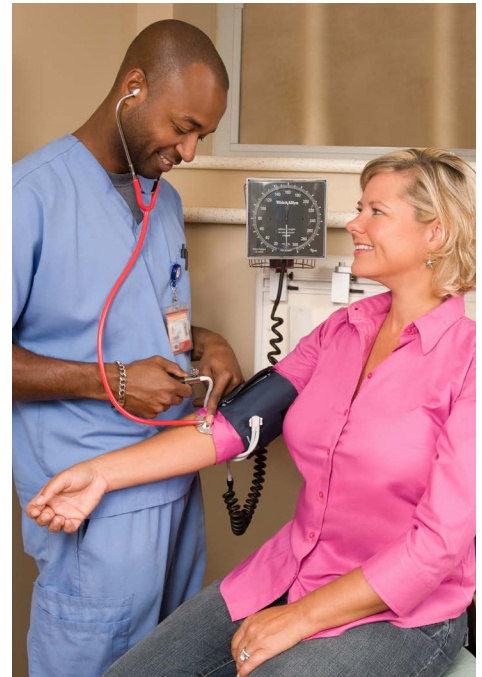
# WORKFORCE AND PROGRAM GAP ANALYSIS

## Workforce Analysis

North Dakota, like the broader United States, is experiencing a demographic shift towards an aging population. While North Dakota's overall population remains stable, this aging trend will significantly increase the demand for healthcare services. According to a report by the North Dakota Department of Health (NDDoH) there is an 'historic workforce shortage, not only in nursing but in other patient care and non-clinical areas'.<sup>1</sup> By understanding current and future needs for healthcare services, UND (University of North Dakota) can position itself in a strategic position to meet these demands.

A study by the American Hospital Association (AHA) found a 30% increase in job vacancies for nursing personnel between 2019 and 2022.<sup>2</sup> This sharp rise suggests a growing gap between the available nurses and the number of open positions. Furthermore, a Mercer analysis predicts a national shortage of up to 3.2 million healthcare workers, across various fields, by 2026.<sup>3</sup>

Overall, both North Dakota and the United States face challenges in meeting future healthcare demands. By understanding workforce needs, UND can elevate their educational programs and attract qualified professionals.



## Program Gap Analysis

A report by the American Association of Colleges of Nursing highlights a national challenge. In 2021 alone, nursing schools turned away over 90,000 qualified applicants, in undergraduate and graduate programs, due to limitations in faculty, clinical placements, classroom space, clinical preceptors, and budgetary constraints.<sup>4</sup>

UND can play a pivotal role in addressing this national shortage of healthcare workers. Strategically increasing enrollment in healthcare programs can create a larger pipeline of qualified professionals. Retaining current students enrolled in healthcare tracks is equally important. Creating innovative classrooms and places of learning will allow students and research professionals to prepare for the future. Expanding training and clinical programs will further equip graduates with the necessary skills and experience. Through proactive planning and program development, UND can become a key player in closing the healthcare workforce gap in North Dakota.

An analysis of the current Health Professions spaces across the UND campus accompanies this report. This analysis identifies areas with over use and underutilization.

- Overuse – Programs or room types experiencing high utilization can be targeted for expansion or resource allocation.
- Underutilization – Spaces with low utilization rates can be evaluated for potential consolidation or repurposing to accommodate growing healthcare programs.

1. North Dakota State Government - ND Portal. "State of North Dakota Encourages Return to Health Care Workforce," n.d. <https://www.nd.gov/news/state-north-dakota-encourages-return-health-care-workforce>.

2. American Hospital Association. "Fact Sheet: Strengthening the Health Care Workforce | AHA," May 26, 2021. <https://www.aha.org/fact-sheets/2021-05-26-fact-sheet-strengthening-health-care-workforce>.

3. Mercer. (2021). *US healthcare labor market* [White paper]. Bateman, Hobaugh, Pridgen, Reddy. <https://www.mercer.com/content/dam/mercer/assets/content-images/north-america/united-states/us-healthcare-news/us-2021-healthcare-labor-market-whitepaper.pdf>

4. American Association of Colleges of Nursing. (2022). *Nursing Faculty Shortage* [Fact Sheet]. Rosseter. <https://www.aacnnursing.org/Portals/0/PDFs/Fact-Sheets/Faculty-Shortage-Factsheet.pdf>



# LEARNING SPACE ANALYSIS & STRATEGIES

## Learning Space Analysis

The analysis of space, size, functionality, and utilization data for Health Professions programs revealed preferences for specific learning environments. For instance, Communication Sciences, Clinical Psychology, and the Psychology programs expressed a need for more medium-sized classrooms (up to 50 students) with flexible seating arrangements. The Nursing program identified a critical need for expanded simulation space due to current over utilization, evidenced by an average utilization rate of over 100%, which necessitates program activities to extend into early mornings and late evenings. Furthermore, most Health Professions programs expressed a desire to be in proximity to similar programs to foster cross-disciplinary collaboration and access to shared resources and research opportunities.

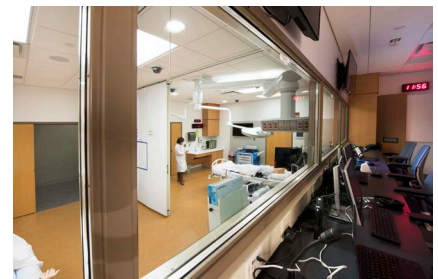
The current Health Professions program spaces are inadequate for future needs due to limitations in size, aging infrastructure, and physical separation across campus. Implementing national space standards would provide each student with a more appropriate learning environment. For example, increasing the current average square footage per student from 20sf to an average of 32sf would significantly improve learning conditions. Renovations to existing campus buildings can be strategically utilized to house related program elements from various departments. Additionally, a new addition to the School of Medicine and Health Sciences is proposed. These combined strategies address the current shortcomings of Health Professions learning environments.



## New Learning Strategies

Creating new learning spaces is crucial for Health Professions programs to grow and serve the evolving needs of the population. Renovating the Northern Plains Center for Behavioral Research (NPCBR) will transform it into a central hub for interdisciplinary Health Professions research and development programs. This renovation will provide adequately sized and equipped spaces to foster research collaboration and support future research endeavors. Consolidating the research functions of several Health Professions programs within the NPCBR to facilitate resource sharing and collaborative knowledge exchange.

Similarly, relocating the Northern Prairie Community Clinic (NPCC) to a new space presents an opportunity to optimize clinic space allocation and layouts. This relocation can enhance visibility and accessibility for non-UND users, strategically group related activities and resources, and create designated zones with increased privacy as needed by clinic functions. Finally, an addition to SMHS will allow for the creation of much-needed classrooms and learning spaces. These new spaces will address the over-utilization issues currently faced by several departments. Moreover, the addition can be designed to provide the flexibility in classroom layouts requested by numerous programs.



# ENROLLMENT & STAFFING PROJECTIONS

ENROLLMENT AND STAFFING PROJECTIONS							
on-campus					off-campus (hybrid/remote)		
Program / Year	2023 enrollment	CHANGE	projected 2033 enrollment		2023 enrollment		projected 2033 enrollment
<b>Epigenetics &amp; Biomedical Sciences</b>							
Undergraduate	42	26% GROWTH	50			N/A	
Graduate	35		50				
PhD	16		18				
Full-Time Faculty	41		41				
Part-Time Faculty							
<b>Total</b>	<b>134</b>		<b>159</b>				
<b>Nursing Program</b>							
Undergraduate	256	25% GROWTH	320			16% GROWTH	
Graduate	75		75		281		325
PhD							
Full-Time Faculty	17		20				
Part-Time Faculty	3		5				
Adjunct Faculty	18		20				
Staff	3		5				
<b>Total</b>	<b>372</b>		<b>445</b>				
<b>Clinical Social Work</b>							
Undergraduate	55	NO CHANGE	55		295	NO CHANGE	295
Graduate							
PhD							
Full-Time Faculty	17		17				
Part-Time Faculty	2		2				
Staff	3		3				
<b>Total</b>	<b>77</b>		<b>77</b>				
<b>Nutrition + Dietetics</b>							
Undergraduate	50	13% GROWTH	55		20	300% GROWTH	60
Graduate							
PhD							
Full-Time Faculty	7		9				
Part-Time Faculty	7		8				
<b>Total</b>	<b>64</b>		<b>72</b>				
<b>Counseling + Counseling Psychology</b>							
Undergraduate	179	3% GROWTH	179			N/A	
Graduate	20		25				
PhD	35		35				
Full-Time Faculty	13		14				
Part-Time Faculty	1		1				
<b>Total</b>	<b>248</b>		<b>254</b>				
<b>Psychology + Clinical Psychology</b>							
Undergraduate	500	NO CHANGE	500			N/A	
Graduate	55		55				
PhD							
Full-Time Faculty	19		19				
Admin	3		3				
Post-doc fellows	2		2				
Part-Time Faculty							
<b>Total</b>	<b>579</b>		<b>579</b>				
<b>Kinesiology</b>							
Undergraduate	157	12% GROWTH	175		316	27% GROWTH	400
Graduate							
PhD							
Full-Time Faculty	10		12				
Staff	2		2				
<b>Total</b>	<b>169</b>		<b>189</b>				
<b>Communication Sciences and Disorders</b>							
Undergraduate	120	2% GROWTH	120			N/A	
Graduate							
PhD							
Full-Time Faculty	8		9				
Part-Time Faculty	4		5				
Part-Time Admin	1		1				
<b>Total</b>	<b>133</b>		<b>135</b>				



# EXISTING BUILDING UTILIZATION ANALYSIS | COLUMBIA HALL

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE

JLG and Nexus Solutions gathered information from the school registrar to determine utilization of existing classroom and learning spaces to determine how effectively spaces occupied by the Health Professions program are used. The utilization information from the registrar was the best metric for comparison because it not only showed enrolled students per class but also length and type of program occupying each space. Utilization rates are shown as a percentage to provide an easy to decipher comparison on space efficiency as deficiency.

## Fall Schedule

COLUMBIA 1370																						
SEATING CAPACITY: 90																						
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY				24	27	14								21						6	6	
TUESDAY				40		14		18	51			52								8	4	
WEDNESDAY				24	27	14	11						21							7	7	
THURSDAY				40		14		18	51			52								8	6	
FRIDAY				24	27	14														3	3	
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

107%

HEALTH PROFESSIONS

87%

UNIVERSITY UTILIZATION

107%

HEALTH PROFESSIONS

87%

## Spring Schedule

COLUMBIA 1370																						
SEATING CAPACITY: 60																						
SPRING 2023																						
TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	HOURS	
MONDAY				26		18		31												-	3	
TUESDAY				20				84	43				50							3	2	
WEDNESDAY				26		18		31												-	3	
THURSDAY				20				84	43				50							3	2	
FRIDAY				26		18		31												-	3	
SATURDAY																				-	-	
SUNDAY																				-	-	

UNIVERSITY UTILIZATION

20%

HEALTH PROFESSIONS

43%

YEARLY UNIVERSITY UTILIZATION

63%

YEARLY HEALTH PROFESSIONS UTILIZATION

65%

UNIVERSITY UTILIZATION

20%

HEALTH PROFESSIONS

43%

YEARLY UNIVERSITY UTILIZATION

63%

YEARLY HEALTH PROFESSIONS UTILIZATION

65%

Efficient usage of space can reduce operational costs, reduce commute times, and promote collaboration across disciplines. UND has expressed the desire to operate at an 80% utilization rate. Utilization rates for Classrooms were determined by using the methods set out by UND's system guidelines. A classroom utilization rate of 100% is based on the classroom being used 30-hours per week with student course enrollment of at least 80% of classroom seating capacity. The laboratory utilization rate is based on the laboratory being used 20 hours per week with student course enrollment of at least 75% of laboratory capacity. Currently, the average across Health Professions is 37%, based on information provided by the Registrar. This utilization analysis primarily focused on classrooms and learning spaces due to the availability of comprehensive and quantifiable data provided by the university registrar's office. Research labs, conference rooms, offices, and common spaces were not included due to limitation in readily available data.

# EXISTING BUILDING UTILIZATION ANALYSIS | NURSING

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE

AVERAGE UTILIZATION	65%
---------------------	-----

NURSING 102   CLASSROOM																									
SEATING CAPACITY: 65																									
Fall 2023																									
	TIME OF DAY AND NUMBER OF STUDENTS																								
	AM						PM																		
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS				
MONDAY			59																	2	2				
TUESDAY			10																					8	8
WEDNESDAY			10																					8	8
THURSDAY									18											1					
FRIDAY	8																			6	6				
SATURDAY																									
SUNDAY																									

UNIVERSITY UTILIZATION	83%
------------------------	-----

HEALTH PROFESSIONS	80%
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NURSING 105   Simulation Room 1																						
SEATING CAPACITY: 16																						
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY			16																		2	
TUESDAY			16																			10
WEDNESDAY			16																		6	
THURSDAY			16																		4	
FRIDAY																						
SATURDAY																						
SUNDAY																						

NOTE: DUE TO ROOM USAGE FLUCTUATIONS, UTILIZATION HAS BEEN AVERAGED ACROSS THE ENTIRE SEMESTER.  
NOTE: AN ADDITIONAL 1 HOUR OF PREP TIME AND 1 HOUR OF CLEAN-UP TIME HAS BEEN CALCULATED PER 1 HOUR OF INSTRUCTIONAL USE.

UNIVERSITY UTILIZATION	0%
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HEALTH PROFESSIONS	73%
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NURSING 107   Simulation Room 2																							
SEATING CAPACITY: 16																							
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY																							
TUESDAY																							
WEDNESDAY			16																		5		
THURSDAY			16																			8	
FRIDAY			16																				11
SATURDAY			16																		1		
SUNDAY																							

NOTE: DUE TO ROOM USAGE FLUCTUATIONS, UTILIZATION HAS BEEN AVERAGED ACROSS THE ENTIRE SEMESTER.  
NOTE: AN ADDITIONAL 1 HOUR OF PREP TIME AND 1 HOUR OF CLEAN-UP TIME HAS BEEN CALCULATED PER 1 HOUR OF INSTRUCTIONAL USE.

UNIVERSITY UTILIZATION	0%
------------------------	----

HEALTH PROFESSIONS	83%
--------------------	-----

# DEFERRED MAINTENANCE

## Deferred Maintenance Costs

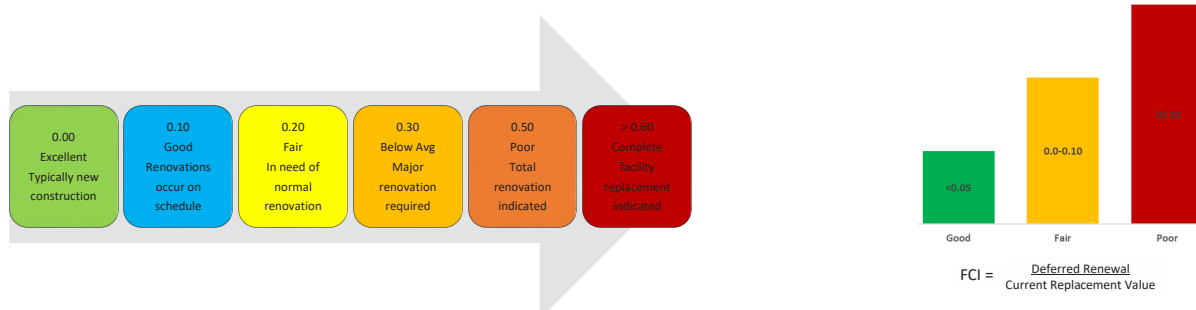
This masterplan study anticipates a combination of new construction, renovations, and repurposing of existing facilities. This approach aims to address deferred maintenance and life safety concerns by:

- **Decommissioning and renovating underutilized spaces:** This strategy leverages existing infrastructure while eliminating the ongoing costs associated with maintaining unoccupied areas identified in the recent SMHS commissioning report and the current ISES deferred maintenance assessment.
- **Incorporating upgrades during repurposing:** Projects like the repurposing of the University Bookstore and the Northern Plains Behavioral Research building will integrate deferred maintenance and life safety improvements to ensure the suitability of these facilities for their new functions.
- **Strategic demolition:** The planned demolition of Columbia Hall will eliminate a significant portion of the deferred maintenance and life safety backlog associated with that building.

BUILDING NUMBER	BUILDING NAME	BUILDING TYPE	YEAR BUILT	GSF	CRV	RENEWAL COSTS (\$)	FCNI	FCI
0004	GILLETTE HALL	CLASS/ACAD	1918	27,871	\$ 12,120,937	\$ 6,063,058	0.50	0.23
0012	COLUMBIA HALL	OFF/ADMIN/CLASS/LAB	1950	280,202	\$ 133,312,063	\$ 48,104,285	0.34	0.17
0017	BIOMEDICAL RESEARCH FACILITY (CBR-1)	LAB	2001	24,876	\$ 16,093,676	\$ 5,853,896	0.36	0.12
0022	EDUCATION BUILDING	CLASS/ACAD	1954	9,370	\$ 38,319,862	\$ 4,789,483	0.12	0.02
0041	UNIVERSITY BOOKSTORE	RETAIL	2000	32,347	\$ 10,838,680	\$ 2,715,294	0.16	0.05
0058	UNIV HEALTH FAC - ALTRU FAMILY RESIDENCY	MED/CLINIC	2001	45,111	\$ 24,682,076	\$ 4,060,725	0.16	0.06
0068	NEUROSCIENCE RESEARCH CENTER	LAB	2004	17,478	\$ 11,295,092	\$ 2,681,159	0.24	0.01
0117	COLLEGE OF NURSING	CLASS/ACAD	1976	61,796	\$ 25,319,204	\$ 12,544,493	0.45	0.38
0119	NO. PLAINS CENTER FOR BEHAVIORAL RESEARCH	OFF/ADMIN/CLASS/LAB	2008	28,840	\$ 16,465,498	\$ 2,281,470	0.13	0.04
0237	SCHOOL OF MEDICINE (SMHS)	CLASS/LAB/OFF	2016	327,111	\$ 127,949,633	\$ 6,665,647	0.05	0.00
0316	NURSING - NPCBR SKYWALK	CIRC	2011	519	\$ 193,612	\$ 23,660	0.12	0.00

UND contracted with ISES Corporation to perform a Facility Condition Assessment across multiple buildings. A part of their study assessed estimated renewal costs related to deferred maintenance projects as well as a comparison of the renewal costs and needs as reflected in an FCNI and FCI number.

The above spreadsheet shows projected Deferred Maintenance costs pulled from the ISES report. The FCNI provides a life-cycle cost comparison. It is a ratio of a 10-year renewal needs (including deferred renewal) to the current replacement value of the asset. The FCI provides another relative measure of the building condition. It is derived by dividing the total recurring Deferred Renewal needs by the CRV (Current Replacement Value). The information provided by the FCNI and FCI numbers can help UND target deferred maintenance projects or strategic demolition projects.



# COST ESTIMATES

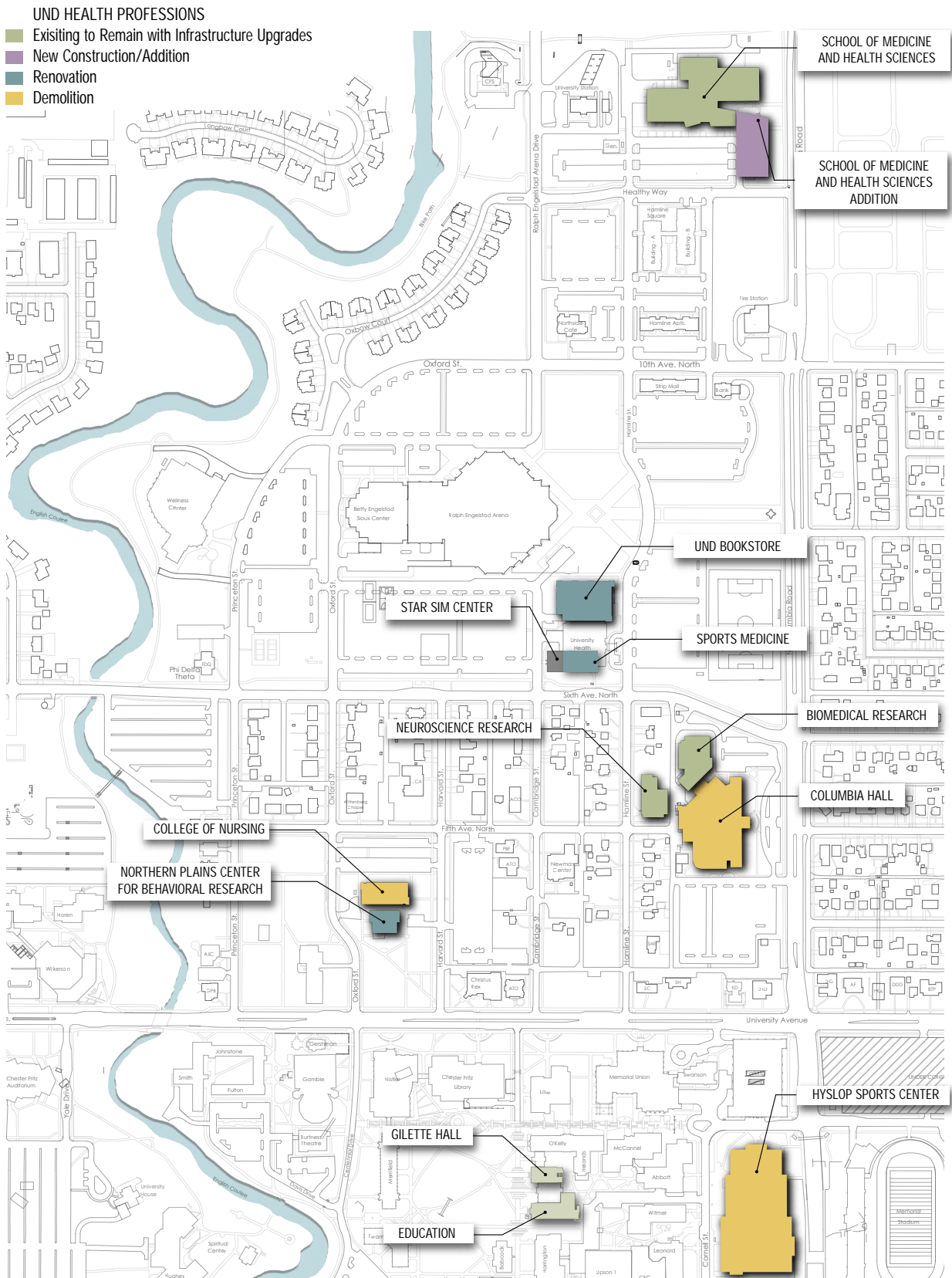
## Deferred Maintenance Costs

This masterplan study anticipates a combination of new construction, renovations, and repurposing of existing facilities. The capital renewal needs shown in the table below are taken from the ISES report. All numbers have been reviewed by multiple design, engineering, and construction professionals.

Gross Square Feet Reduction / Capital Renewal Needs Eliminated

Project	Gross Square Feet (GSF)	Capital Renewal Needs Eliminated	Estimated Project Costs	Estimated Project Cost %	Funding Source
Demo Columbia Hall	-280,202	(\$48,104,285)	\$8,988,478	8%	Appropriated/ Fundraising/Local
Demo College of Nursing Bldg.	-61,796	(\$12,544,493)	\$1,500,000	1.30%	Appropriated/ Fundraising/Local
New Addition to SMHS	92,650	-	\$77,887,921	67%	Appropriated/ Fundraising/Local
Bookstore Renovation	Existing bldg..	(\$2,715,294)	\$7,911,576	6.80%	Appropriated/ Fundraising/Local
Northern Plains Renovation	Existing bldg..	(\$2,281,470)	\$2,052,021	1.80%	Appropriated/ Fundraising/Local
SMHS Deferred Maintenance (including steam line extension, deferred maintenance, and STAR Sim Center Remodel for Simulated Hospital)	Existing bldg..	(\$6,665,647)	\$17,756,171	15.10%	Appropriated/ Fundraising/Local
	-249,348	(\$72,311,189)	\$116,096,167	100%	

# PROPOSED SCOPE OF WORK



# PROPOSED SCOPE OF WORK

The University of North Dakota (UND) is proposing a comprehensive plan to modernize and expand its Health Professions Services infrastructure. This initiative aims to enhance educational experiences, promote cross-departmental collaboration, and optimize resource utilization. The full scope of this project will result in an overall **reduction in campus square footage by 249,348 GSF** and will **reduce deferred maintenance costs by \$72.3M**.

## Project Components

1. New Health Professions addition at the School of Medicine & Health Sciences (SMHS):
  - a. A new addition will provide dedicated teaching and simulation spaces along with Gross Anatomy and UG Microbiology teaching spaces for Health Professions programs. The (95,710sf) addition is based on program needs and expected Nursing cohort growth (64 to 80). Careful review of existing spaces, capacities, and utilization rates allow for some of these program needs to be relocated to existing SMHS spaces, increasing efficiency.
2. Repurposing the Bookstore as a Clinic Space:
  - a. The existing Bookstore will be relocated to a new site (leased by UND's Bookstore provider), and its vacant space will be repurposed for Clinical and Academic spaces from Columbia Hall. This renovated space offers an opportunity for a dedicated educational health services clinic, potentially including simulation and certification programs. Work associated with this repurpose includes general construction, engineering services, and life-safety updates.
3. Northern Plains Center for Behavioral Health Research:
  - a. This underutilized building will be renovated and designated as the new 'Research' hub for several Health Professions Discipline programs by providing dedicated research facilities. New spaces in this building will include dry research and office relocation for Nursing, Psychology from Columbia Hall, and Counseling Psychology from the College of Education. Work associated with this renovation includes general construction, engineering services, and life-safety updates.
4. Demolition of Columbia Hall and Nursing Buildings
  - a. Due to high deferred maintenance costs over the next decade, and their unsuitability for modern program needs, these buildings will be demolished.
  - b. Undergraduate Microbiology labs in Columbia Hall will move to the new SMHS addition to share equipment with Anatomy Labs. Fewer and larger labs with higher use will serve the same number of students, reduce building space, and improve efficiency.
5. Extending UND's existing steam and condensate lines
  - a. Extending steam and condensate lines to SMHS and its new addition will provide high-quality steam for research and academics. The condensate recovery systems saves energy and reduces water use. The project includes 4,000ft of 10-inch steam and 3-inch condensate piping with four new utility holes.
6. Chiller @ Columbia Hall
  - a. The Biomedical Research (CBR-1) building and the Neuroscience Research building are currently provided cooling through a chiller at Columbia Hall. These buildings will require their own cooling system when Columbia is demolished.
7. STAR Sim Center - Renovation to Simulated Hospital ER
  - a. Simulated environments are ideal for practicing patient encounters, medical procedures, and teamwork. A new simulation center can mimic a real hospital with a resuscitation bay, an emergency room, a multi-patient ward, and a working clinic.

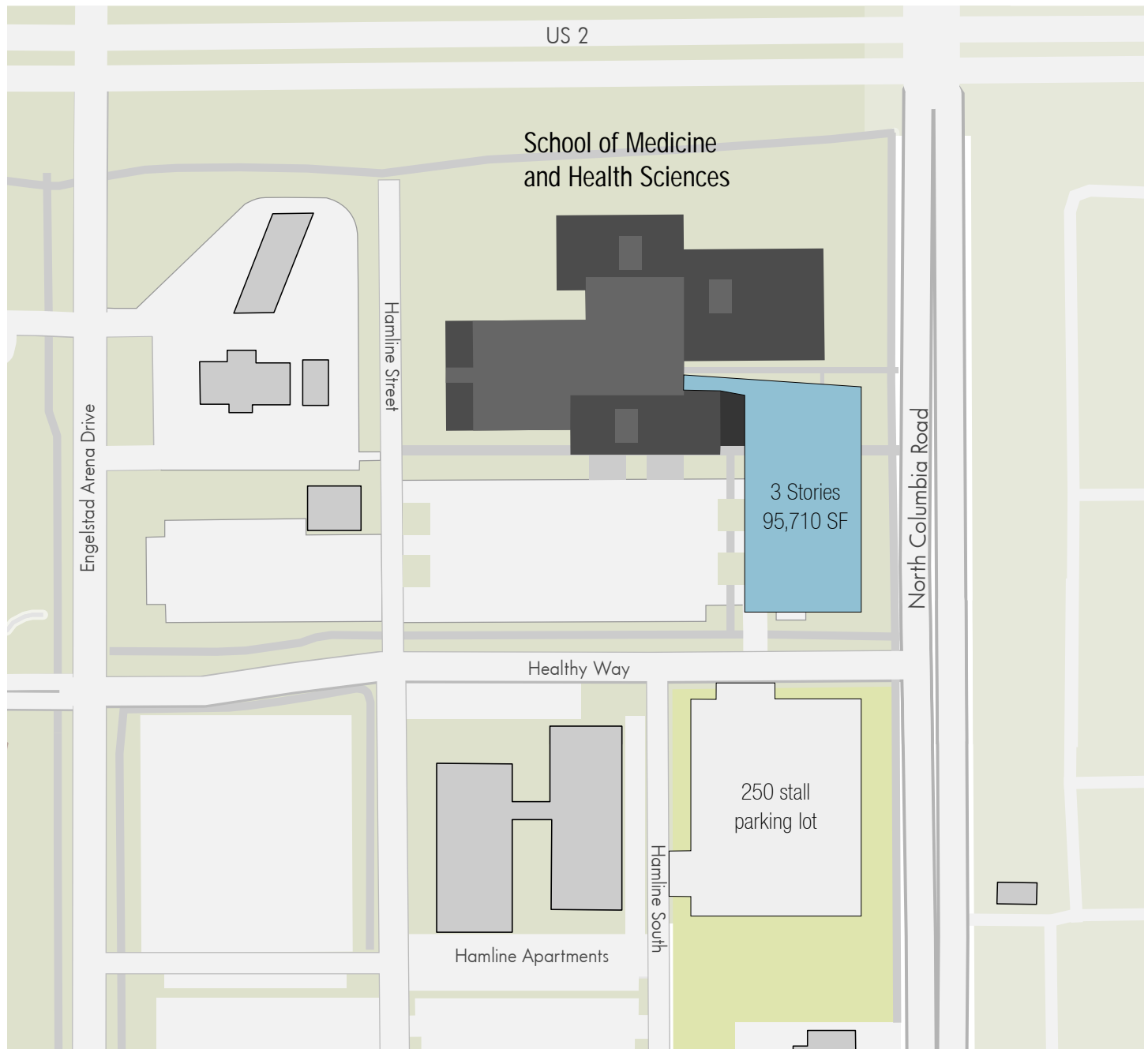
The Masterplan analysis identified a need for dedicated research, classroom/simulation, and clinic spaces. These hubs will foster collaboration, optimize building use, and enhance education. New construction and renovations will address space limitation and outdated infrastructure, creating a modern, efficient learning environment. Repurposing existing buildings and demolishing inefficient structure maximizes cost-effectiveness. This comprehensive plan, developed collaboratively with design and construction teams, will significantly improve the University's ability to deliver

# SPACE PROGRAM/NEEDS DESCRIPTION

## School of Medicine and Health Sciences | Addition

An addition on to SMHS would create dedicated space for the College of Nursing & Professional Disciplines while also fostering collaborative research endeavors. The addition will be strategically located along North Columbia Road for optimal visibility and convenient vehicular and service access. A dedicated parking lot will be situated across Healthy Way, accommodating both the new building and displaced parking from the construction site.

A connecting link between the existing SMHS building and the new addition will house programmatic space for Anatomy Lab currently in Columbia Hall and Anatomy Labs from the 4th floor of SMHS. This co-location will foster closer collaboration among these lab functions, promoting the sharing of resources, ideas, and expertise. The vacated Anatomy Labs in the 4th floor of SMHS would be repurposed as a collaborative 'wet bench' research space.





# SPACE PROGRAM/NEEDS DESCRIPTION

## School of Medicine and Health Sciences | Addition

### Key Benefits of the Health Professional Addition Project

- **Addressing the Nursing Shortage:** The project directly addresses the state's critical need for nurses and healthcare professionals by providing space for the College of Nursing & Professional Disciplines to expand student enrollment from cohorts of 64 to cohorts of 80 (25% increase).
- **Enhanced Efficiency and Productivity:** Economies of scale can be achieved through closer collaboration between the School of Medicine and Health Sciences (SMHS) and the College of Nursing & Professional Disciplines, possibly leading to greater operational efficiency and productivity.
- **Facilitating Recruitment and Research:** Collaborative learning environments created by the project will enhance recruitment and retention of faculty and students, ultimately leading to increased and improved research opportunities.
- **Promoting Inter-professional Education:** The project will create a space for fostering greater collaboration and inter-professional education among students from various health professions programs at UND.
- **Supporting Research Expansion:** The addition will provide the necessary infrastructure for the Biomedical and Neuroscience Research Centers to operate independently from Columbia Hall, facilitating its decommissioning. Additionally, it will provide essential space for relocating SMHS laboratories and classrooms currently housed in Columbia Hall. This relocation will also free up valuable space for additional research activities at SMHS.

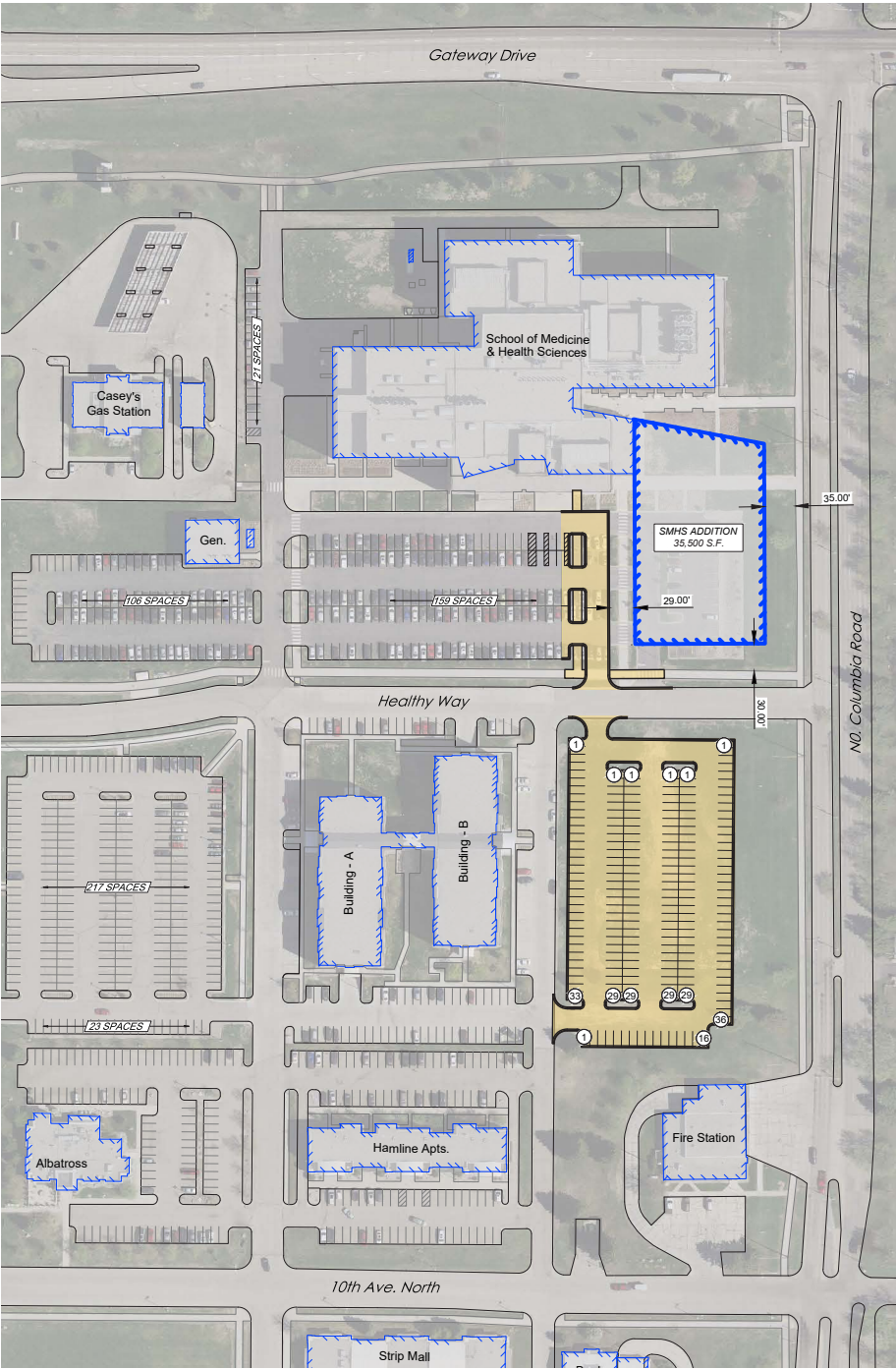




# SPACE PROGRAM/SITE WORK

## School of Medicine and Health Sciences | Addition

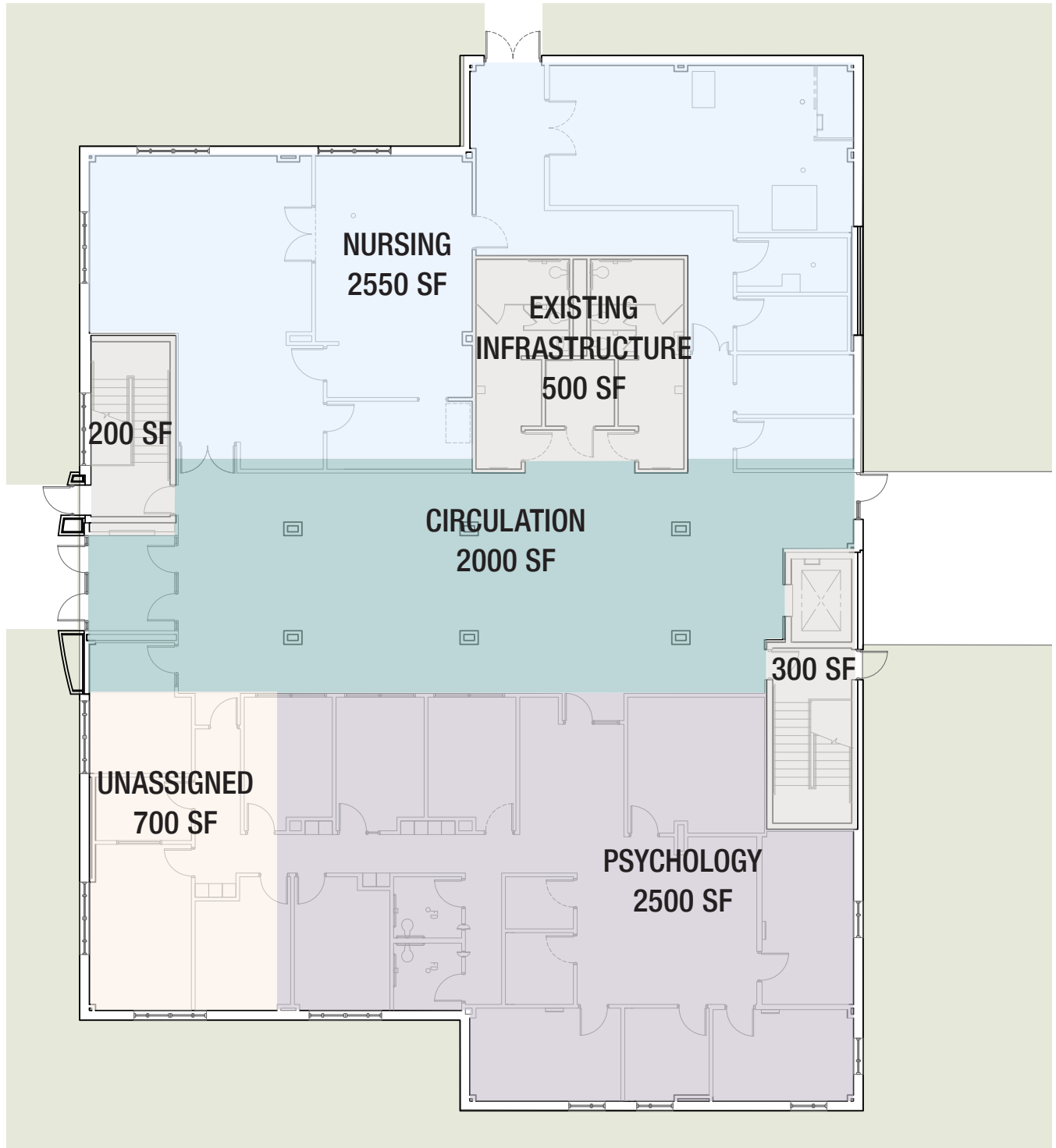
The proposed addition to SMHS will require an alteration to the current parking lot on site and space for an additional parking to the south of the site across Healthy Way. The parking will accommodate growth, will increase functionality, and improve life-safety measures including handicap parking and accessible pathways. With this addition, the parking will increase from 571 stalls to 727, including 11 accessible stalls.



# SPACE PROGRAM/NEEDS DESCRIPTION

## Northern Plains Center for Behavioral Research | First Floor

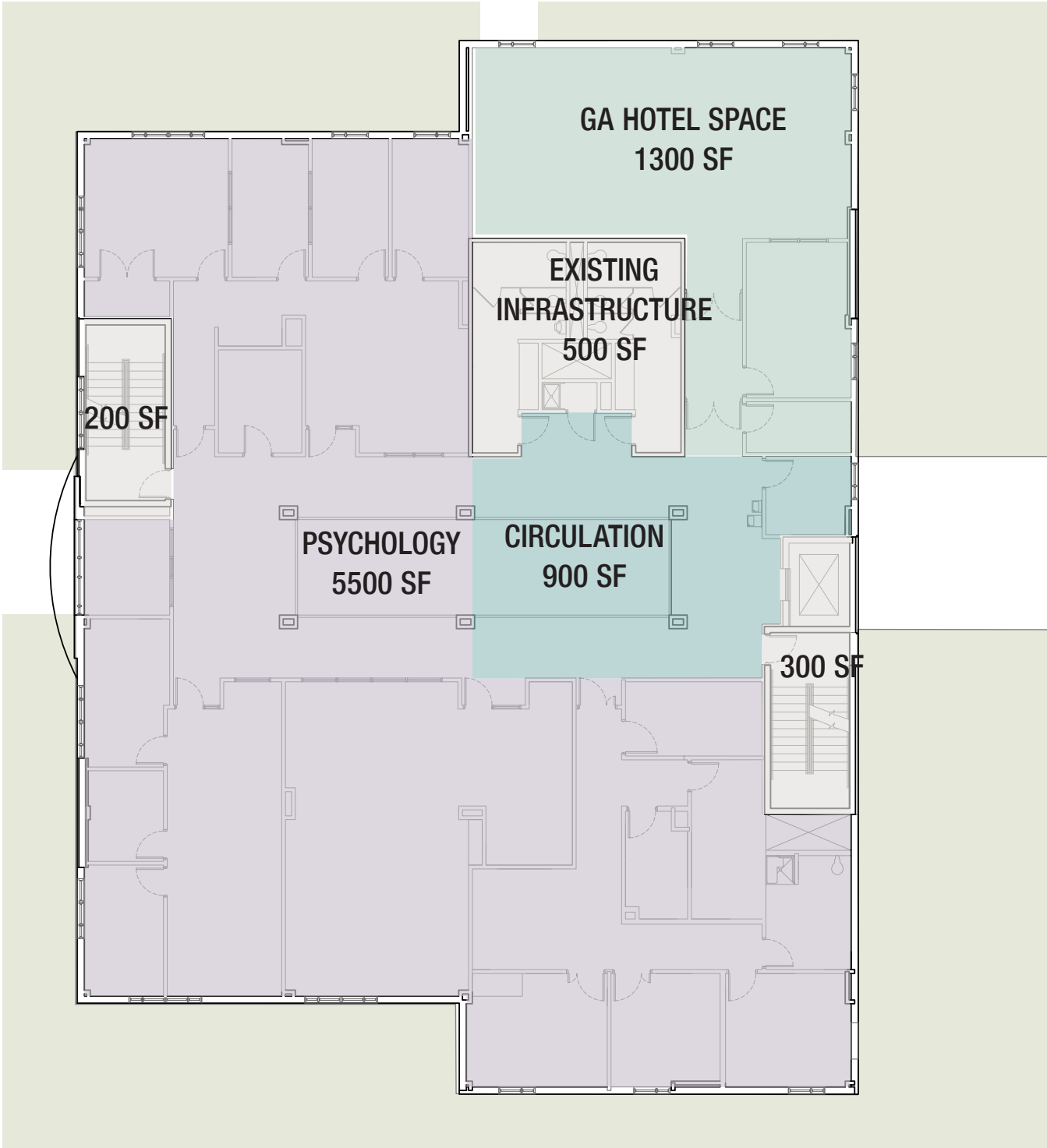
A complete renovation to the existing Northern Plains Center for Behavioral Research (NPCBR) allows for the placement of all research aspects for The College of Nursing & Professional Disciplines, SMHS, and the College of Education & Human Development. Additionally, the renovated space provides dedicated research areas for the Psychology department in the College of Arts & Sciences.



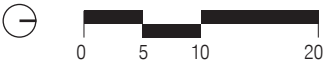
Northern Plains Center for Behavioral Research | Level 1

# SPACE PROGRAM/NEEDS DESCRIPTION

Northern Plains Center for Behavioral Research | Second Floor

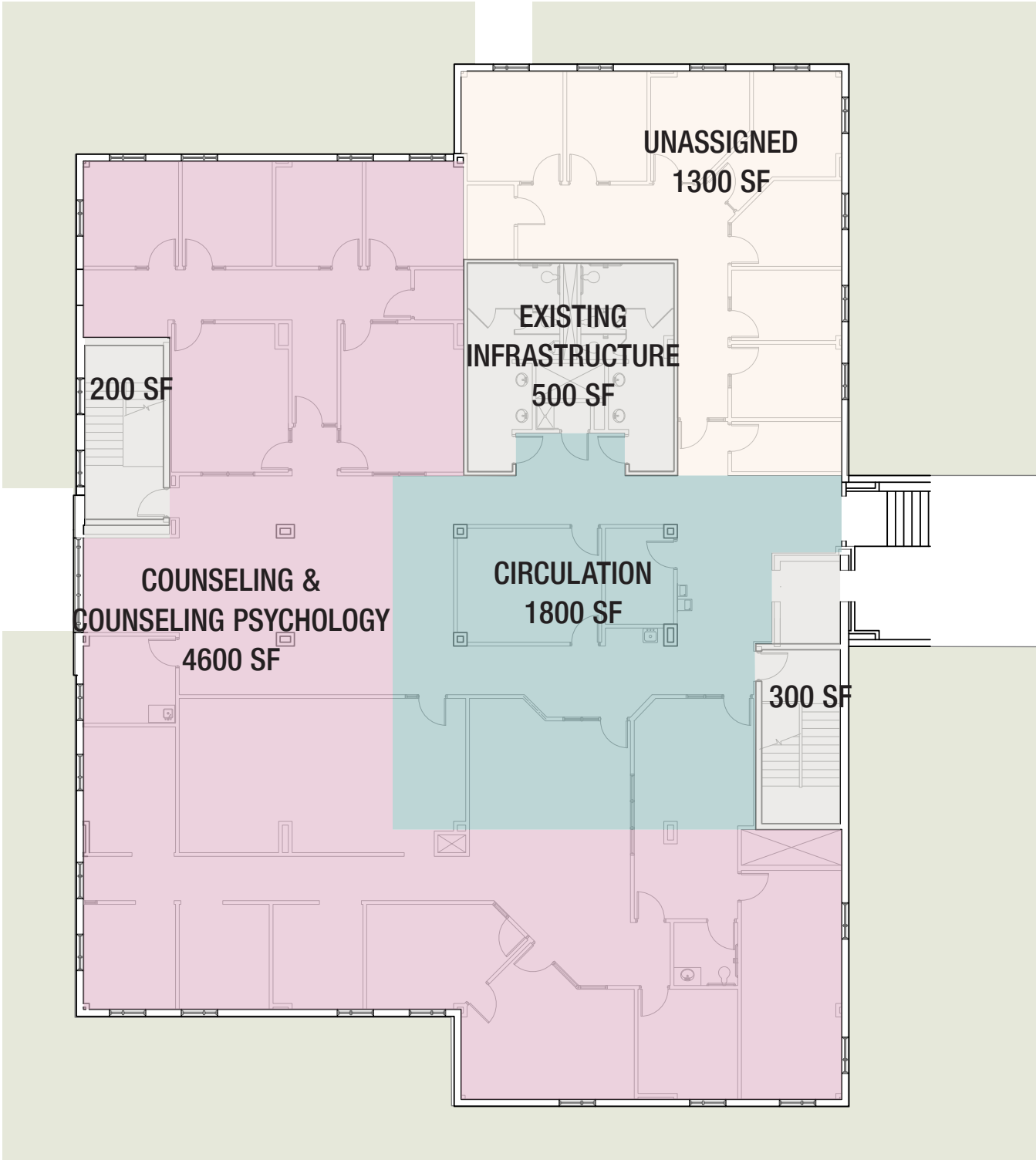


Northern Plains Center for Behavioral Research | Level 2

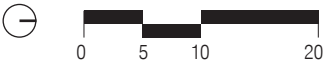


# SPACE PROGRAM/NEEDS DESCRIPTION

Northern Plains Center for Behavioral Research | Third Floor



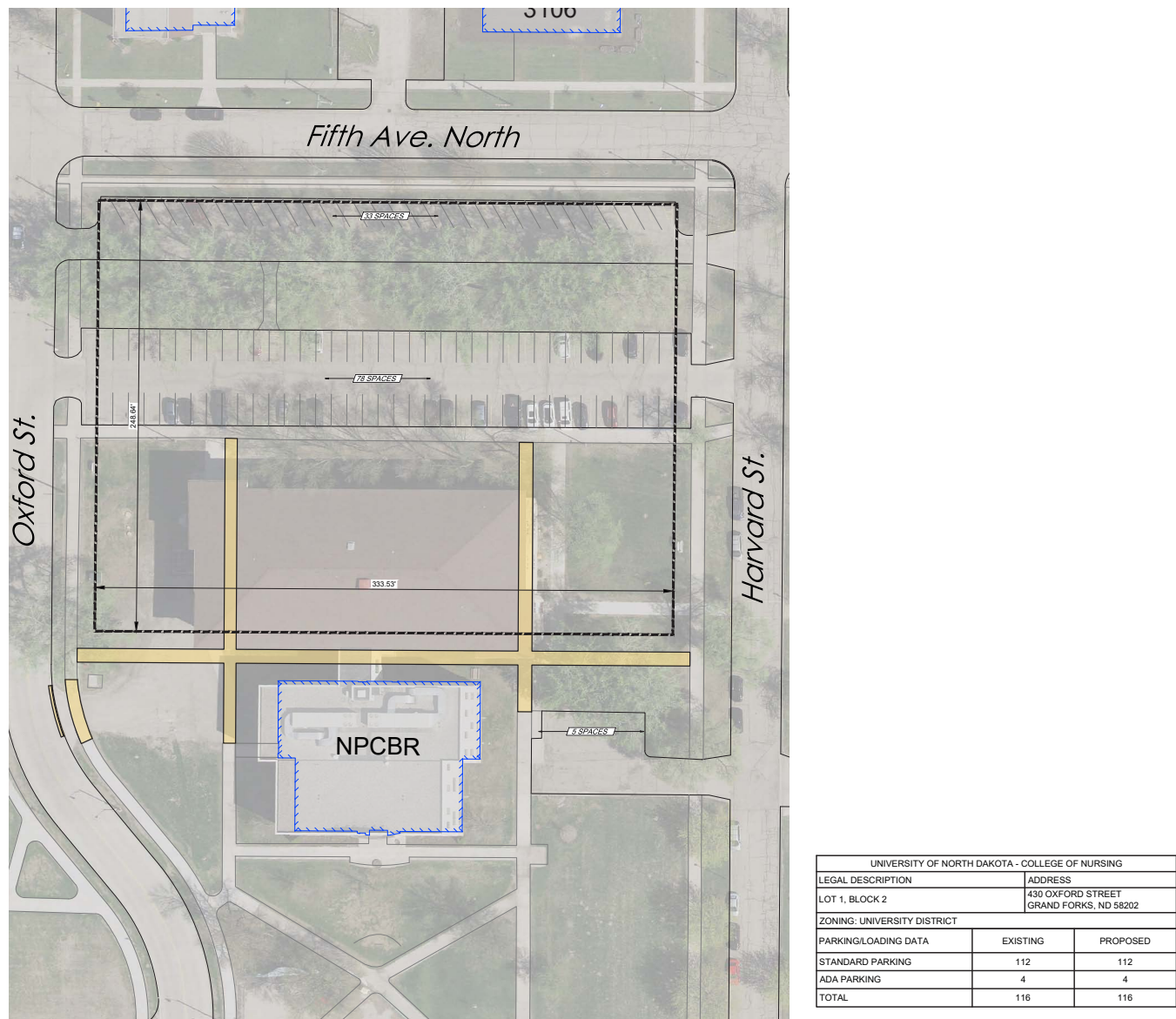
Northern Plains Center for Behavioral Research | Level 3



# SPACE PROGRAM/SITE WORK

## Northern Plains Center for Behavioral Research | Renovation

The Northern Plains Center for Behavior Research building has 116 existing parking stalls, including 4 accessible stalls. Along with the proposed renovations at the interior of NPCBR, the site would be altered to improve access from existing sidewalks and adding sidewalks on both sides of the building. The parking numbers would remain steady as there is no increase in number of occupants.



# SPACE PROGRAM/NEEDS DESCRIPTION

## Northern Plains Center for Behavioral Research

This spreadsheet provides a detailed overview of proposed space allocations within the NPCBR. Departments are distinguished by color coding, with their current square footage allocation in Columbia Hall displayed in the leftmost column. The corresponding proposed space needs for each department in the NPCBR are located in the rightmost column. Some aspects of certain departments are not included in the move to reflect the strategic relocation of specific departmental elements to other campus buildings. This approach aims to foster collaborative learning environments by grouping similar program functions.

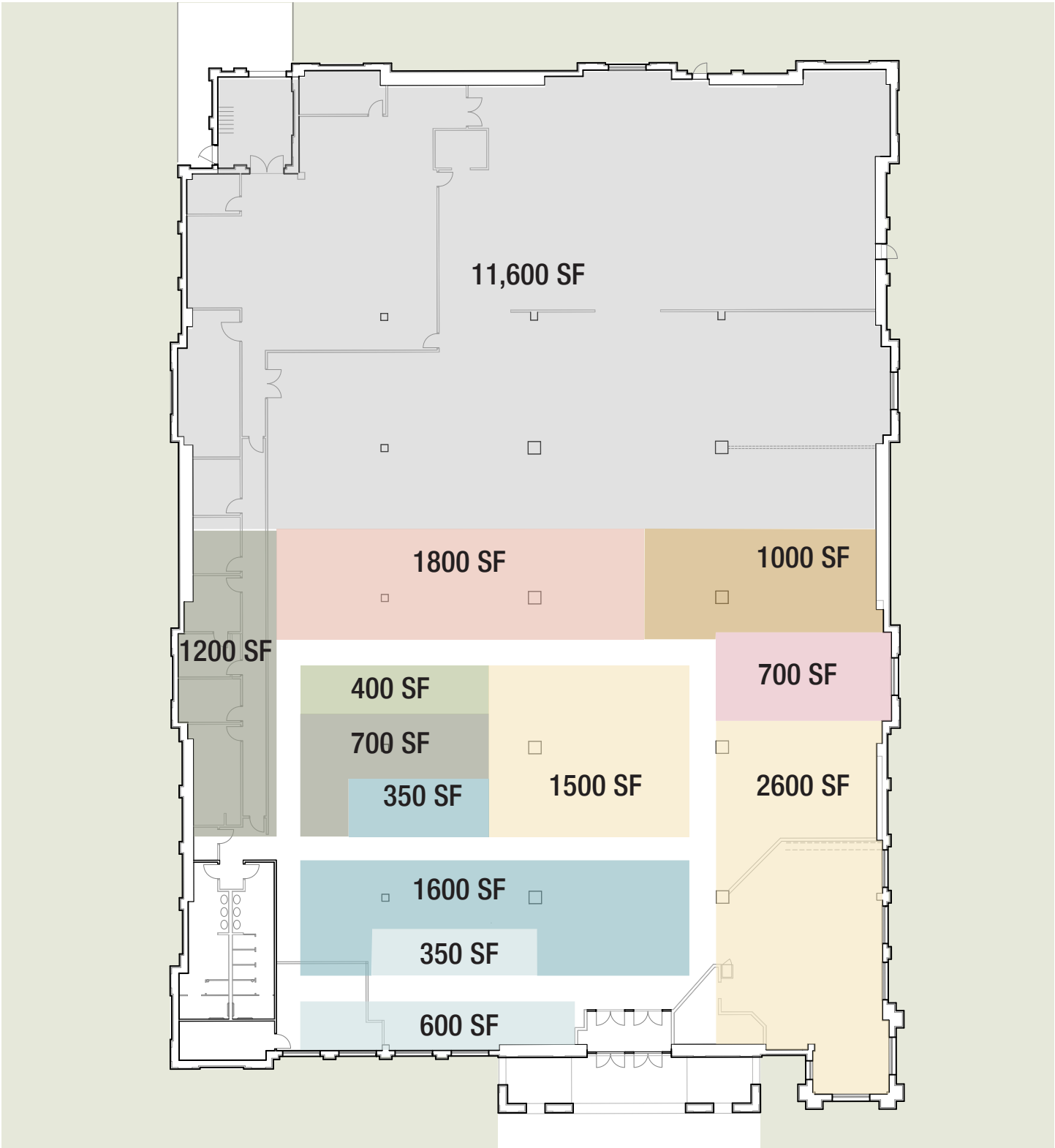
### NORTHERN PLAINS

	EXISTING - NORTHERN PLAINS		PROPOSED FUTURE	
	QUANTITY	SUBTOTAL SF COMMENTS	SIZE	SUBTOTAL SF COMMENTS
NURSING	1	6796		2500 STUDENT SPACE
PSYCHOLOGY	1	2042		7300 EXIST + COLUMBIA
SOCIAL WORK	1	1431		0 MOVING TO GILLETTE
GA HOTEL SPACE	1	475		475
NUTRITION + DIETETICS	1	2081		0 NURSING BLDG
COUNSELING + COUNSELING PSYCH	1	771		2090
UNASSIGNED	1	1479		2710
EXISTING BUILDING GROSS SF		15075		15075
GROSSING FACTOR		26840		26840
		44%		44%
TOTAL NET SF				
GROSSING FACTOR				
TOTAL GROSS SF (GRAND TOTAL)		26,840		26,840

# SPACE PROGRAM/NEEDS DESCRIPTION

UND Bookstore | Community Clinic

Renovations to the current University Bookstore building will create space to accept the Northern Prairie Community Clinic and the Department of Communication Science & Disorders currently located in Columbia Hall.



UND Bookstore | Level 1

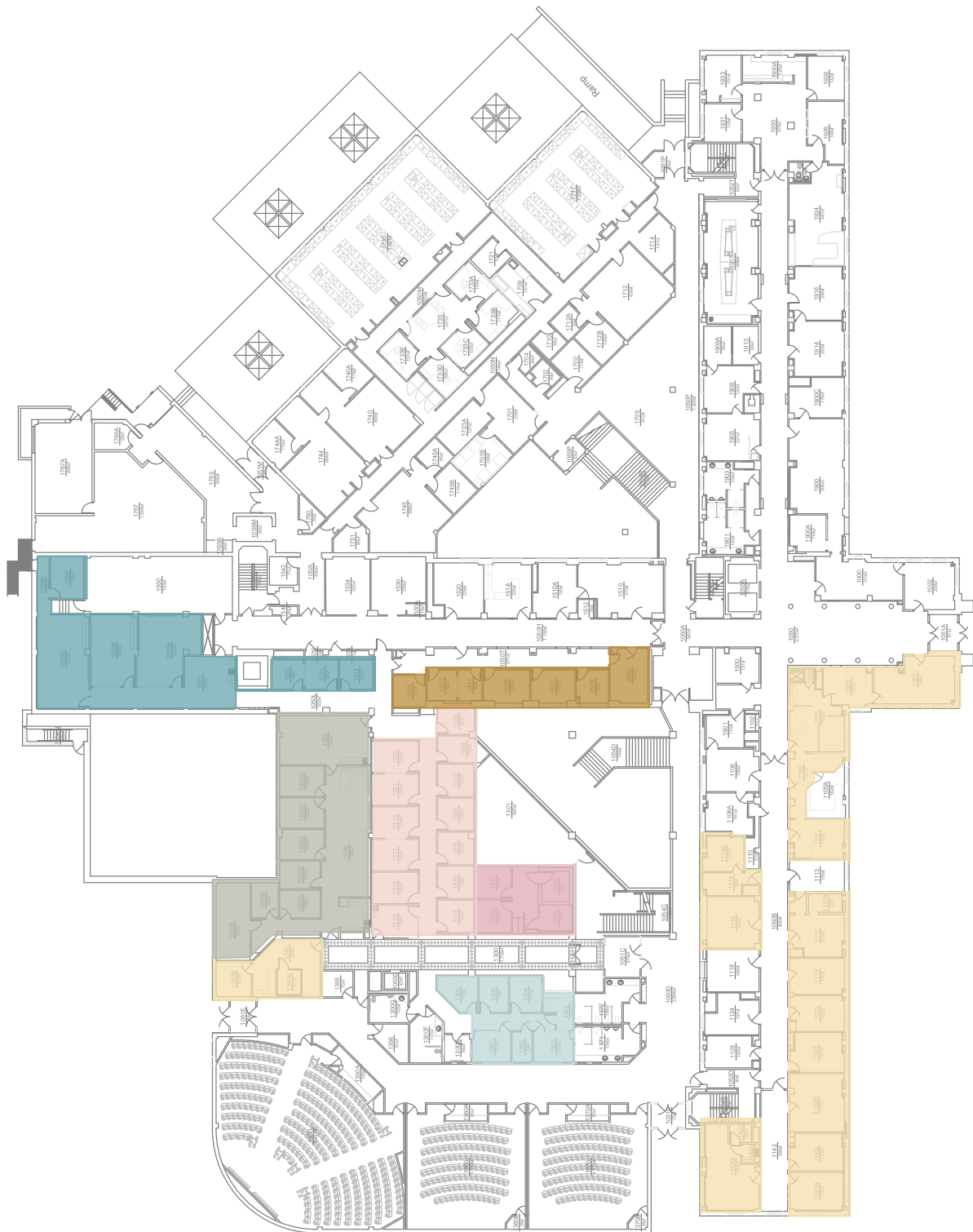




# SPACE PROGRAM/NEEDS DESCRIPTION

## Existing Community Clinic | Columbia

Preserving relationships between areas within the existing Northern Prairie Community Clinic and the Department of Communication Sciences and Disorders was a key objective when initiating the programmatic study. The following floor plan indicate the functional areas, color-coded to correspond with the proposed layout in the University Bookstore.



Columbia Hall | Level 1

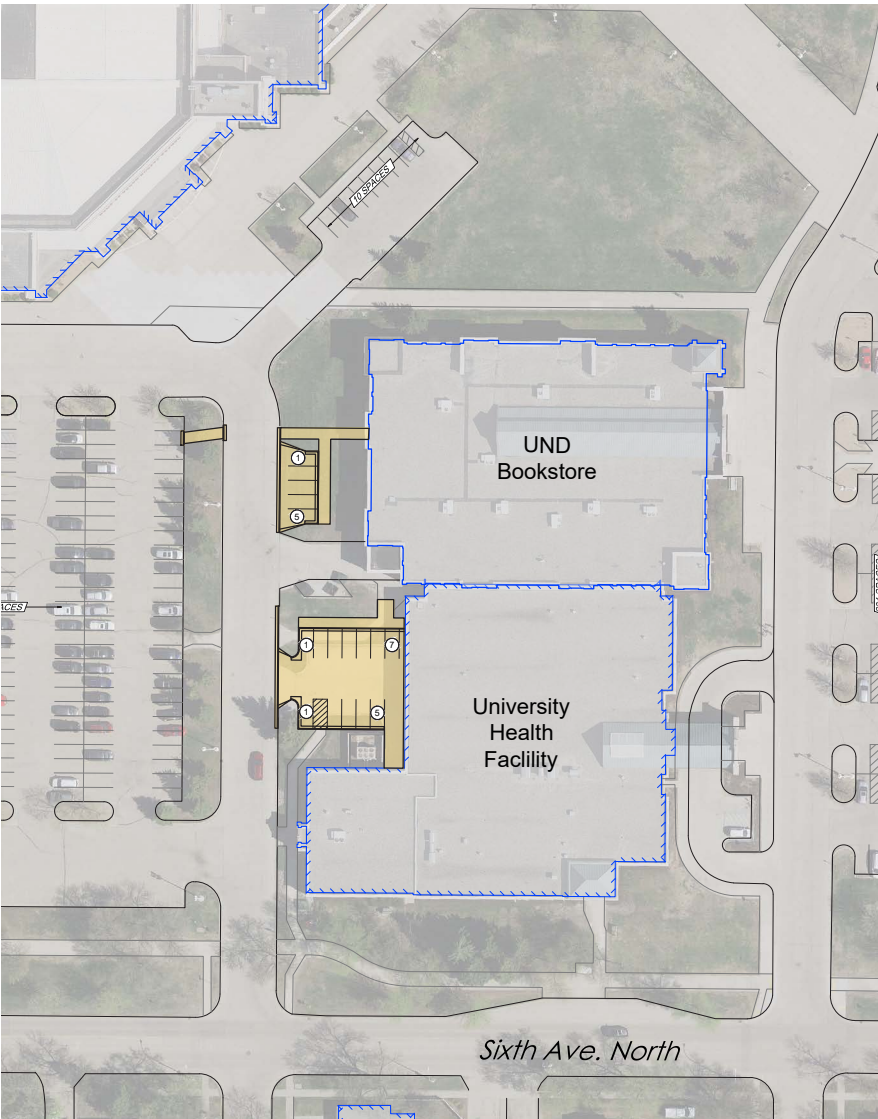




# SPACE PROGRAM/SITE WORK

## Northern Prairie Community Clinic | Renovation

The proposed renovation of the current bookstore into the new space for the Northern Prairie Community Clinic includes additional parking. The existing parking consists of only 5 stalls, 1 being accessible. The plan proposes 15 total stalls, with 2 accessible in order to accommodate growth, increase functionality, and increase life-safety measures like accessible pathways to the clinic.

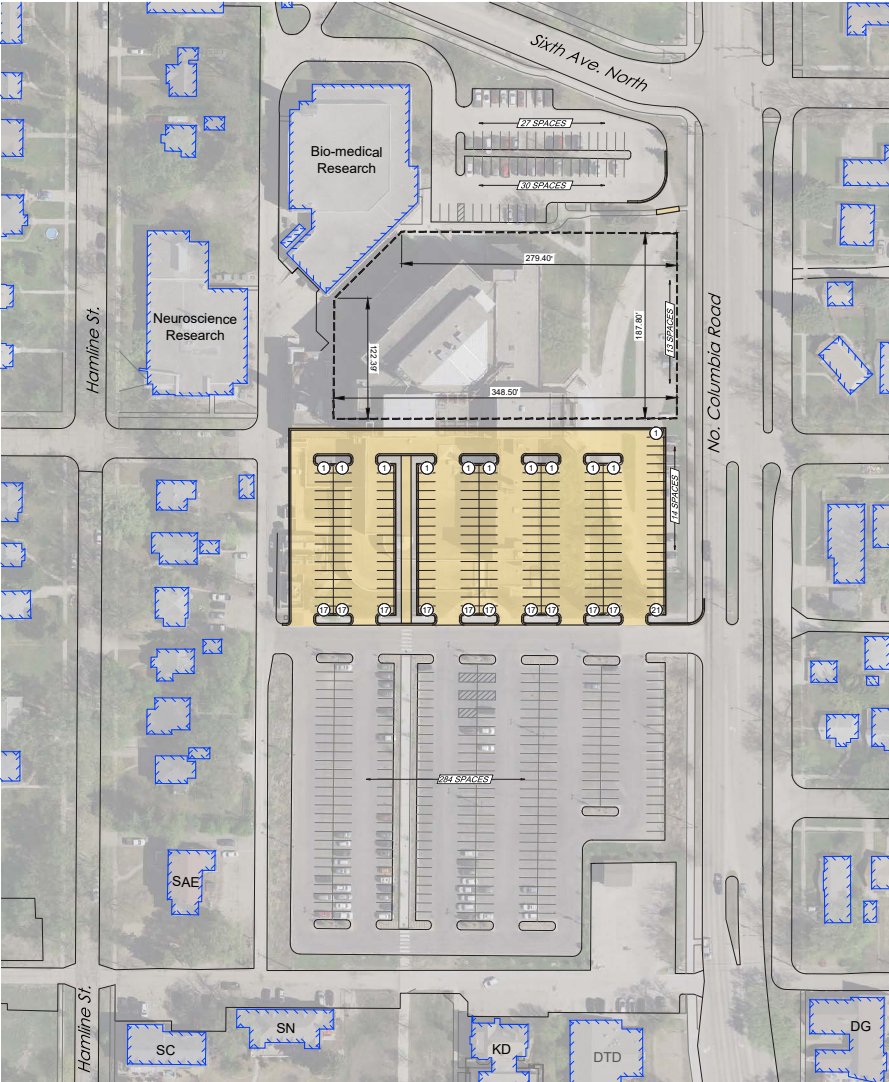


UNIVERSITY OF NORTH DAKOTA - STAR SIMULATOR		
LEGAL DESCRIPTION	ADDRESS	
LEASEHOLD INTEREST IN LOT 78 PART OF LOT 1, BLOCK 1, UNIVERSITY VILLAGE ADDN.	725 HAMLINE STREET GRAND FORKS, ND 58202	
ZONING: SPORTS ARENA USES - UNIVERSITY VILLAGE PUD		
PARKING/LOADING DATA	EXISTING	PROPOSED
STANDARD PARKING	5	15
ADA PARKING	1	2
TOTAL	6	17

# SPACE PROGRAM/SITE WORK

## Biomedical Research Building | Demolition

The proposed demolition of Columbia Hall creates an open area for additional parking. Currently the area has 356 parking stalls but the additional lot would create a total of 532 parking spots, including 11 accessible. The additional parking would accommodate growth, increase functionality, and increase life-safety measures including sufficient ADA stalls and accessible pathways.

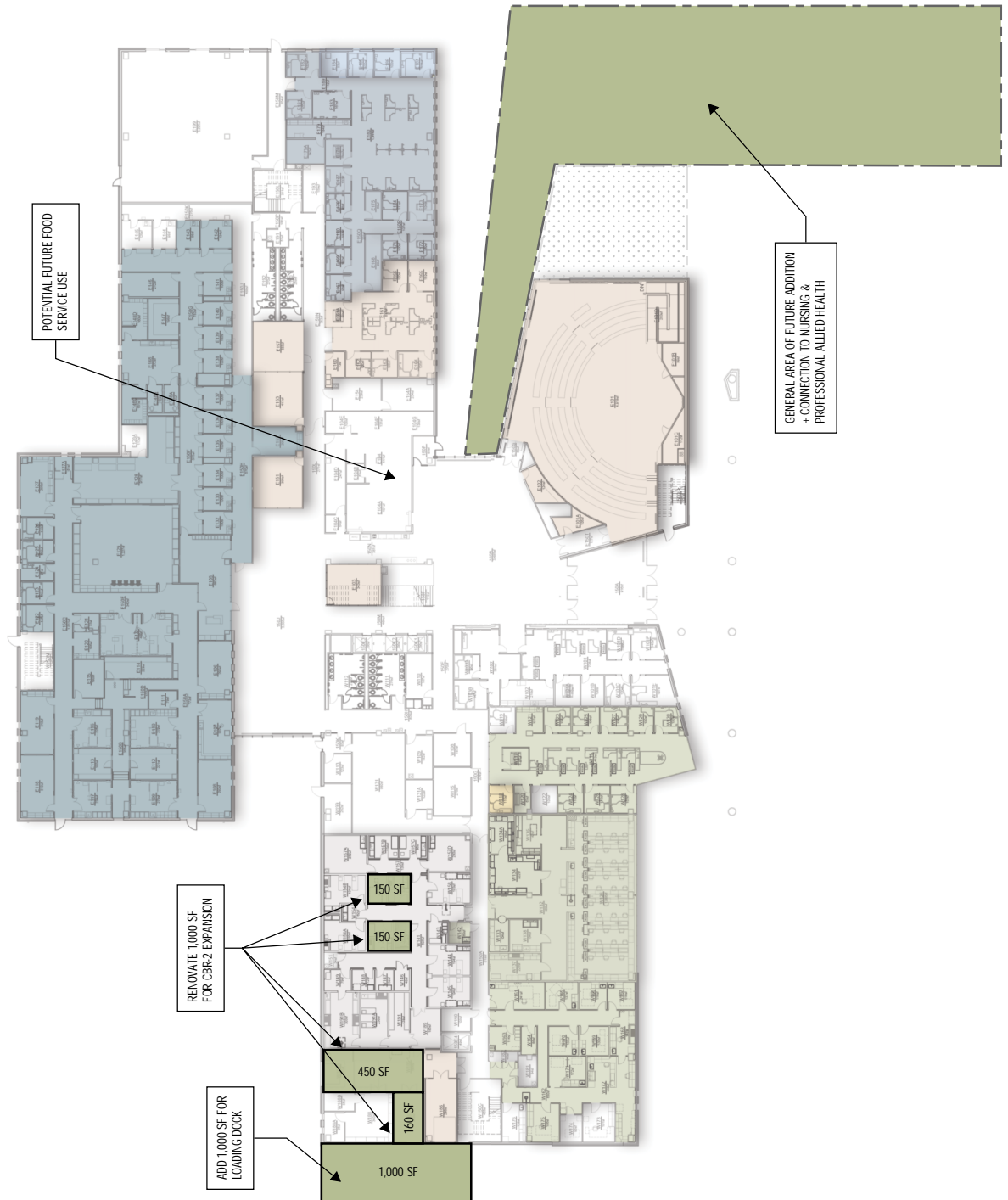


UNIVERSITY OF NORTH DAKOTA - COLUMBIA HALL		
LEGAL DESCRIPTION	ADDRESS	
LOT 3 & VACATED CORNELL STREET LESS ROADWAY & UTILITY EASEMENTS REPLAT OF PORTIONS OF BLKS 1, 2, 4 & 5	501 N COLUMBIA ROAD GRAND FORKS, ND 58202	
ZONING: UNIVERSITY DISTRICT		
PARKING/LOADING DATA	EXISTING	PROPOSED
STANDARD PARKING	356	521
ADA PARKING	12	11
TOTAL	368	532

# SPACE PROGRAM/NEEDS DESCRIPTION

## School of Medicine and Health Sciences

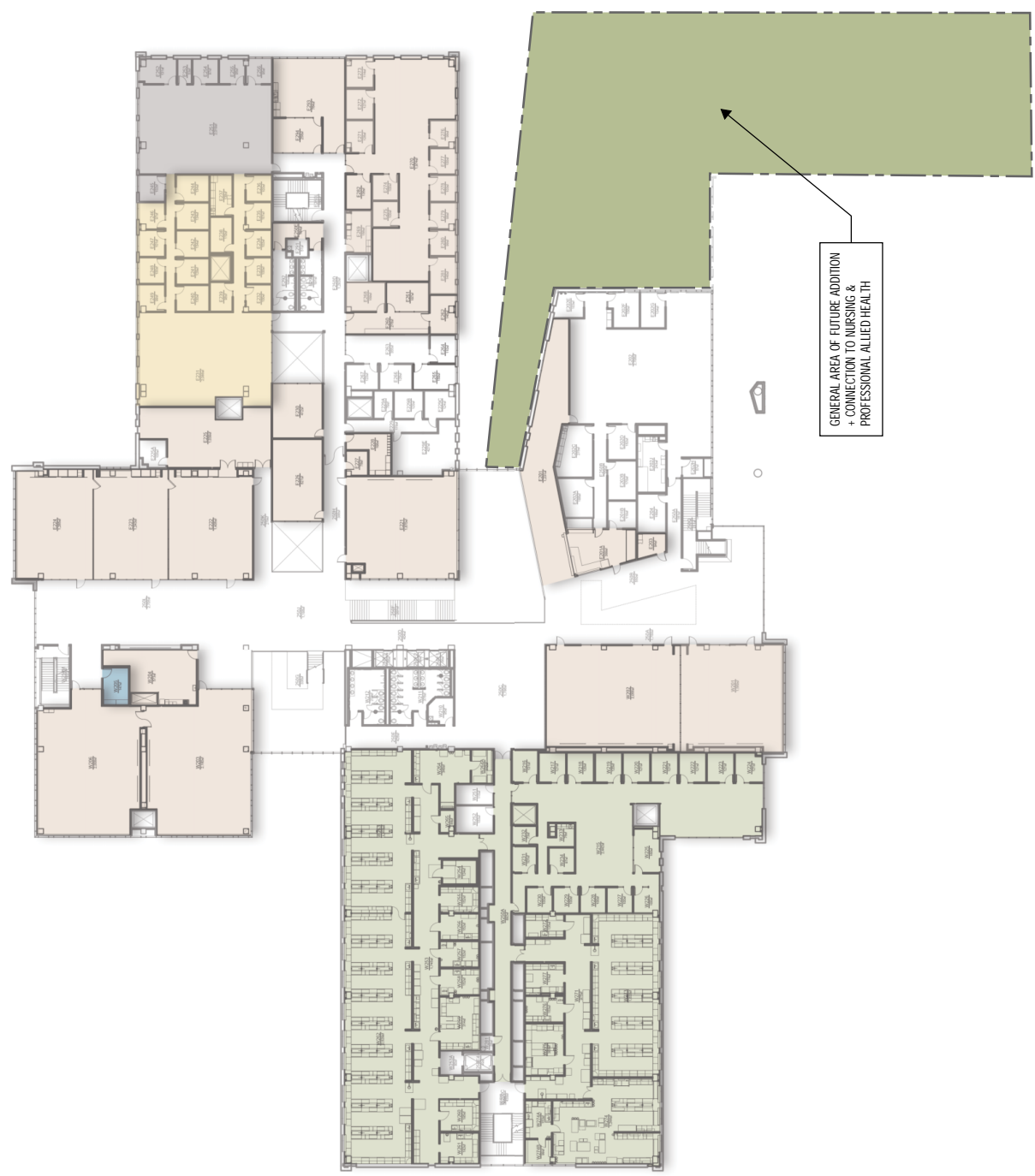
Strategic renovations within SMHS are isolated to: **CBR-2 Animal Behavior Vivarium** – First floor remodel to accept the animal behavior space currently housed in the basement level of Columbia Hall, plus a 1,000 GSF of new space to the existing vivarium space.



# SPACE PROGRAM/NEEDS DESCRIPTION

## School of Medicine and Health Sciences

Proposed renovation work for the 2nd floor would involve any construction required to create a physical connection to the proposed building addition.



# SPACE PROGRAM/NEEDS DESCRIPTION

## School of Medicine and Health Sciences

Strategic renovations within SMHS are isolated to: **Occupational Therapy/Physical Therapy (OT/PT)** – Remodeling will increase office space on the third floor to accommodate the growth in these departments.





# SPACE PROGRAM/NEEDS DESCRIPTION

## School of Medicine and Health Sciences

Strategic renovations within SMHS are isolated to: **Anatomy Lab / Morgue Lab** – Relocated to the new addition, this fourth-floor vacated space would be remodeled into a collaborative biomedical ‘wet bench’ research space when the Anatomy Labs are relocated to the new SMHS addition.



# SPACE PROGRAM/NEEDS DESCRIPTION

## School of Medicine and Health Sciences

This spreadsheet provides a detailed overview of proposed space allocations within SMHS. Departments are distinguished by color coding, with their current square footage allocation in Columbia Hall displayed in the leftmost column. The corresponding proposed space needs for each department in SMHS are located in the rightmost column. A spreadsheet detailing new Construction and space renovation breakdown by building and program type can be found in the appendix.

### SMHS BUILDING PROGRAM \*

	EXISTING - SMHS			CHANGE		PROPOSED FUTURE		
	QUANTITY	SUBTOTAL SF	COMMENTS	RENOVATION	NEW CONSTRUCTION	QUANTITY	SUBTOTAL SF	COMMENTS
DEAN'S OFFICE MED	1	75060		0	2400	1	77,460	ADD LARGE CLASS (SHARE W/ NURSING)
CBR-2	1	4,213		1024	1000	1	5,213	
RURAL HEALTH	1	3,839		0	0	1	3,839	
FAMILY & COMMUNITY MEDICINE	1	421		0	0	1	421	
SIMULATION	1	15314		0	0	1	15314	
INMED	1	2591		0	600	1	3191	ADD RESEARCH SPACE
PUBLIC & POPULATION HEALTH	1	3984		0	0	1	3984	
SPORTS MED	1	1901		0	0	1	1901	
OCCUPATIONAL THERAPY	1	5249		0	1000	1	6249	ADDED A/D/L LAB & STORAGE - WITH FOCUS ON HOME AND PEDIATRIC SERVICES
PHYSICAL THERAPY	1	7018			1300	1	8318	ADDED PLINTH LAB; CREATE 2 OFFICES
MLS	1	7358		0	1300	1	8658	ADD LAB
PA STUDIES	1	4233		0	0	1	4233	WILL USE PLINTH LAB ADDED TO PT
PATHOLOGY	1	6228		0	0	1	6228	
ANATOMY LABS	1	8047		0	11000	1	11000	2 LABS + 1 SUPPORT AREA
BIOMEDICAL SCIENCES	1	47779		8047	0	1	55,826	RENOVATE 4TH FLOOR ANATOMY (8047 SF)
UNASSIGNED	1	11480	IT, STUDENT AFFAIRS, ALLIANCE, FOOD SERVICE, ETC.	0	0	1	11480	
SUBTOTAL NET SF		204,715	122,395	9,071	18,600		223,315	
EXISTING BUILDING GROSS SF		327,111						
GROSSING FACTOR		37%			40%			
TOTAL GROSS SF (GRAND TOTAL)		327,111		9,071	26040		353,151	
		EXIST.		RENO SMHS	NEW CONST.		EXIST. + NEW	RENO FALLS UNDER EXIST.

\*Not a comprehensive list of programs

# SPACE NEEDS BREAKOUT

## Nursing Department Proposed Space Program

1.0 OFFICE AND ADMINISTRATION		12,640 NSF	NEW / RENOVATION / RELOCATED
	OFFICES (SINGLE & DUAL USE)	9040 NSF	NEW - SMHS ADDITION
	CONFERENCE ROOMS	900 NSF	NEW - SMHS ADDITION
	MAIL/LOUNGE	1200 NSF	NEW - SMHS ADDITION
	STUDENT SERVICES	1500 NSF	NEW - SMHS ADDITION
2.0 GENERAL		3,680 NSF	NEW / RENOVATION / RELOCATED
	NORTHERN PLAINS STUDENT LOUNGE	0 NSF	NEW - SMHS ADDITION
	STUDENT LOUNGES	2000 NSF	NEW - SMHS ADDITION
	R.A.I.N. PROGRAM	1200 NSF	NEW - SMHS ADDITION
	SMALL GROUP SPACES	480 NSF	NEW - SMHS ADDITION
3.0 CLASSROOMS		11,040 NSF	NEW / RENOVATION / RELOCATED
	LARGE CLASSROOM	7200 NSF	NEW - SMHS ADDITION
	MEDIUM CLASSROOM	2400 NSF	NEW - SMHS ADDITION
	SMALL CLASSROOM	1440 NSF	NEW - SMHS ADDITION
4.0 LAB AND RESEARCH		7,800 NSF	NEW / RENOVATION / RELOCATED
	LABS	5200 NSF	RENOVATION - NPCBR
	STORAGE	2000 NSF	RENOVATION - NPCBR
	ADMINISTRATIVE	600 NSF	RENOVATION - NPCBR
5.0 SIMULATION		4,500 NSF	NEW / RENOVATION / RELOCATED
	SIMULATION SPACE	2800 NSF	NEW - SMHS ADDITION
	DEBRIEF/CONTROL	1200 NSF	NEW - SMHS ADDITION
	STORAGE/PREP	500 NSF	NEW - SMHS ADDITION
	ADMINISTRATION	500 NSF	NEW - SMHS ADDITION
6.0 NUTRITION AND DIETETICS		2,470 NSF	NEW / RENOVATION / RELOCATED
	LABS	890 NSF	NEW - SMHS ADDITION
	CLASSROOM	870 NSF	NEW - SMHS ADDITION
	OFFICES (SINGLE & DUAL USE)	710 NSF	NEW - SMHS ADDITION
	STORAGE	45 NSF	NEW - SMHS ADDITION

## ANALYSIS DESCRIPTION

The above spreadsheet played a critical role in defining the type and quantity of space required for various aspects of the Health Professions programs. This data directly informed the development of the programming diagrams, ensuring optimal space allocation for each program elements. Further programming sheets can be found in the appendix



# PROGRAM ANALYSIS

## Introduction

Understanding the existing spatial relationships and programmatic interactions between Health Professions programs and other UND programs is crucial for informing the allocation of relocated and new spaces. The diagram below provides a high level view of Health Professions programs as they relate to one another and the School of Medicine and Health Sciences.

UND Health Professions Programs



### Colors

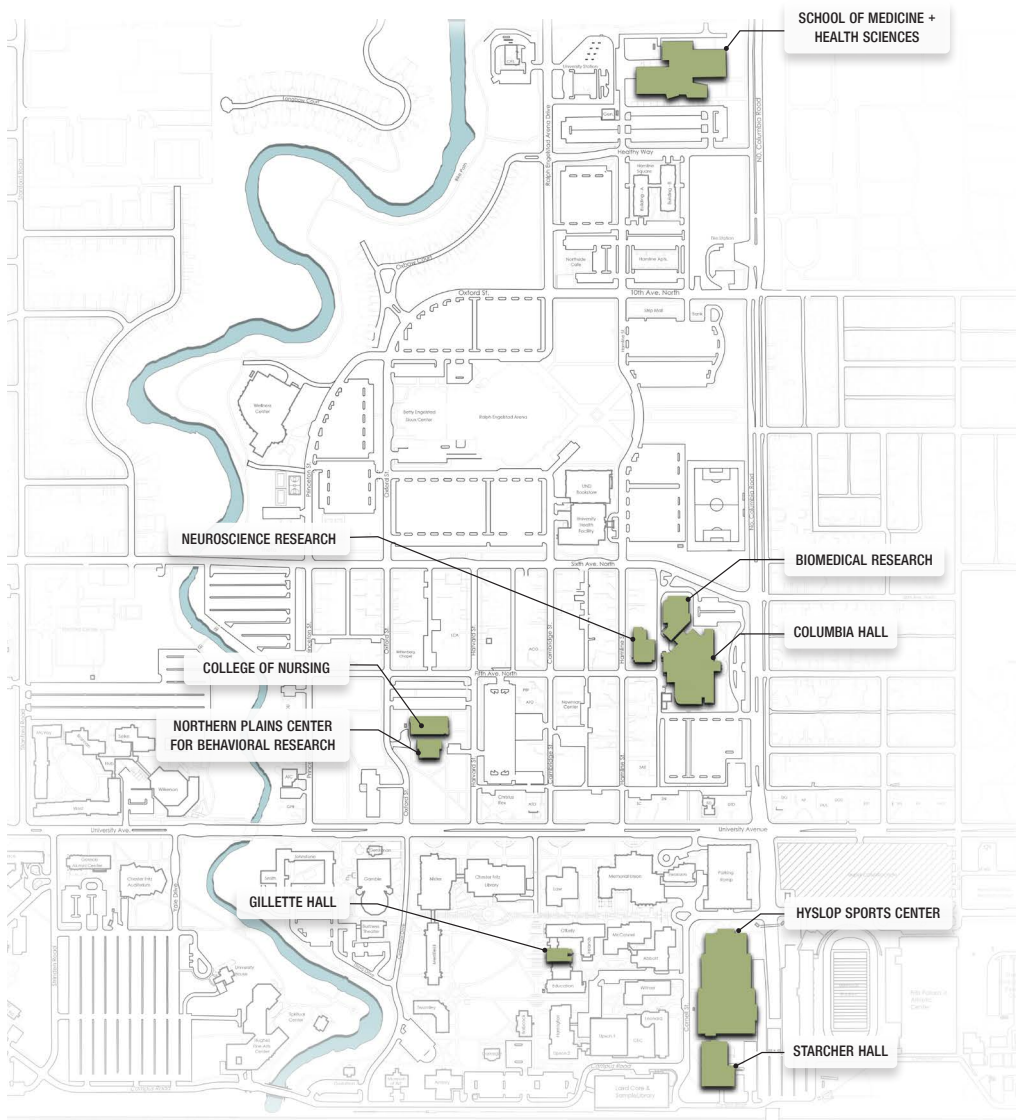
- UND Health Professions Program
- Health Professions Programs within School of Medicine and Health Sciences

### Connections

- Academic Program - Direct Relationship

# UND CAMPUS MAP

## Health Professions Departments



Founded in 1883 the University of North Dakota sits upon the English Coulee waterway. The Health Professions departments are scattered throughout the campus with major streets dividing several of the buildings. Residence halls, fraternities, sororities, and other housing surround the College of Nursing, Neuroscience Research, Biomedical Research, and Columbia Hall. Hyslop, Gillette, and Starcher Hall sit within a community of other academic buildings. This leaves the School of Medicine and Health Sciences the outlier on the northern most part of the campus, surrounded by major streets and parking lots.

### GILLETTE

Social Work

### COLUMBIA

Center for Biomedical Research  
Communication Science + Disorders  
Integrated Clinic  
Psychology

### BIOMEDICAL RESEARCH FACILITY

Center for Biomedical Research

### HYSLOP

Kinesiology + Public Health Ed  
Sports Medicine

### STARCHER

Center for Biomedical Research  
Sports Medicine

### NEUROSCIENCE RESEARCH

Biomedical Sciences

### NORTHERN PLAINS CBR

Nutrition + Dietetics  
Nursing  
Psychology

### COLLEGE OF NURSING

Nursing  
Nutrition + Dietetics  
Dean's Office

### SCHOOL OF MEDICINE + HEALTH SCIENCES

Alumni & Community Relations  
Biomedical Sciences  
Center for Biomedical Research  
Continuing Medical Education  
Dean's Office Med  
Family and Community Medicine  
Geriatrics  
Indians into Medicine  
Indigenous Health  
Medical Laboratory Science  
Neurology  
Occupational Therapy  
Pathology  
Pediatrics  
Physical Therapy  
Physician Assistant Studies  
Population Health & Public Health  
Psychiatry and Behavioral Science  
Rural Health  
Sports Medicine  
Student Affairs & Financial Aid  
Surgery  
UND Simulation Center

# EXISTING BUILDING ANALYSIS

## Introduction

Building Use Diagrams show the relationships of departments under the Health Professions umbrella. Many departments are spread across several floors; some are even spread across multiple buildings throughout campus. The Building Use stacking diagrams are found with the building descriptions in the following pages.

JLG worked with UND Facilities to gather up-to-date information on room use in each building and department affiliation for the Health Professions programs. This information was analyzed and the building plans were color coded per department to develop the Building Use Diagrams. The comprehensive coding for the Health Professions programs is found on this page along with programs in the School of Medicine.

Many departments are spread across multiple floors or different buildings. Efficiencies that could be gained by programs sharing common spaces and resources are reduced.



## Space Identification

### HEALTH & WELLNESS PROGRAMS

- Alumni & Community Relations
- Biomed Sciences | Anatomy Labs
- Biomed Sciences | Biomedical Research
- Biomedical Sciences
- Clinic Social Work
- Community Sciences + Disorders
- Counseling
- Dean's Office Med
- Emergency Medicine
- Biomed Sciences | Epigenetics Research
- Family + Community Medicine
- Geriatrics
- Indians Into Medicine
- Indigenous Health
- Kinesiology
- Medical Lab Sciences
- Microbiology Labs in Columbia (approx. 4,000 SF)
- Neurology
- Biomed Sciences | Neuroscience Research
- Northern Plains Community Clinic
- Nursing
- Nutrition + Dietetics
- Obstetrics-Gynecology
- Occupational Therapy
- Pathology
- Pediatrics
- Physical Therapy
- Physician Assistant Program
- Population Health
- Psychiatry + Behavioral Sciences
- Psychology
- Population Health & Public Health
- Rural Health
- Simulation Center
- Sports Medicine
- Student Affairs & Financial Aid Office
- Surgery

# EXISTING BUILDING ANALYSIS



Space Analysis Chart

## College of Nursing

Year 1976 | Levels 5 | Net SF 56,507 | Gross SF 61,796

### BUILDING SUMMARY

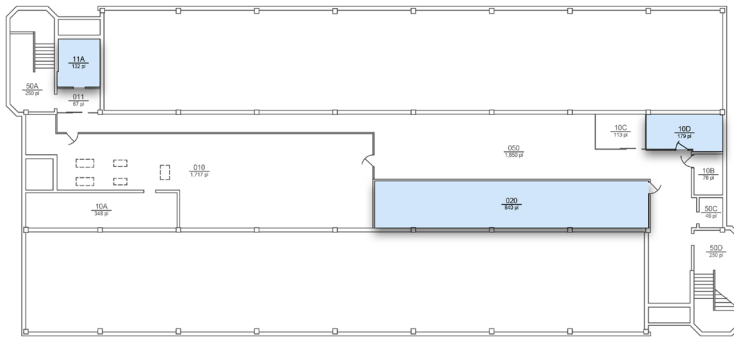
The College of Nursing is dedicated to Nursing, Nutrition + Dietetics, and Dean's Office CNPD spaces. The 4-level building is connected on the third level to the Northern Plains Center for Behavioral Research. The first floor houses classroom and simulation spaces for the Nursing department, while the second floor mostly comprises general use classroom space. The third floor consists almost entirely of staff offices and some workspaces.

Built in the 70s, the building's architecture does not resemble the Collegiate Gothic style UND strives for. The exterior is a stark contrast to the rest of the campus with its blonde brick and lack of cast stone accents. The white window frames stand out and are inconsistent with the surrounding buildings.

Health Professions Space Type	GSF
Dean's Office CNPD	2067
Nursing	17481
Nutrition + Dietetics	1682
Use Breakout	
Classroom	539
Office	8721
Research	1913
Clinic	0
Simulation	2849
Building Resource	6505

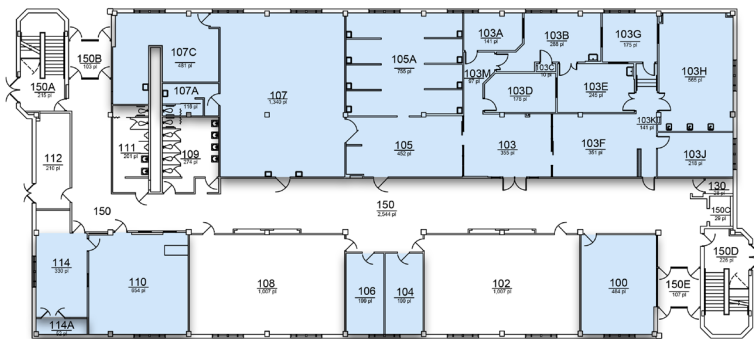


# EXISTING BUILDING ANALYSIS



College of Nursing | Basement Level

Nursing



College of Nursing | Level 1

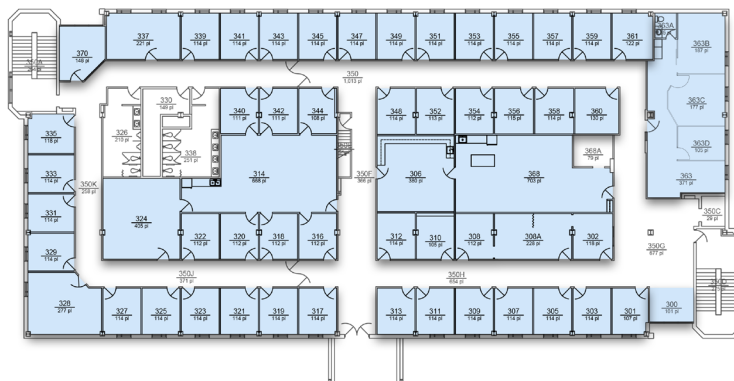
Nursing



College of Nursing | Level 2

Nursing

Nutrition + Dietetics



College of Nursing | Level 3

Nursing

HEALTH PROFESSIONS STUDY +  
UNIVERSITY OF NORTH DAKOTA  
APPENDIX

**nexus**  
SOLUTIONS®



## APPENDIX

3	Existing Building Analysis
27	Existing Building Utilization Analysis
55	Space Needs Program
67	Budget Breakdown



# EXISTING BUILDING ANALYSIS



## GILLETTE HALL

Year 1918 | Levels 4 | Net SF 21,983 | Gross SF 27,817

### BUILDING SUMMARY

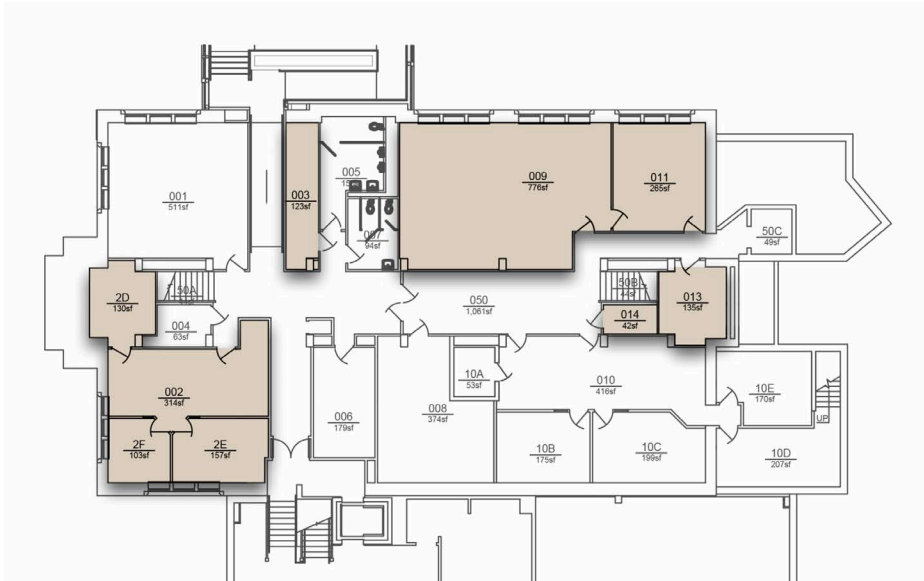
Gillette Hall is 4 stories tall, including a basement level, and provides space for the Social Work program related to the Health Professions. As one of the oldest buildings on campus, the rooms utilized by the Social Work program vary in size and functionality. The largest Social Work occupied space is 776 sf and functions as a conference room while the smallest rooms are utilized as storage rooms. The building also contains spaces for other degree programs.

During its lifetime, the building has functioned as the main hub for the Chemistry and Biology departments. The building’s central location on one of the University’s historic quads complements its Collegiate Gothic architecture and the adjacent buildings with a similar style. The exterior of the building is comprised of red brick and limestone trim.

### Space Analysis Chart

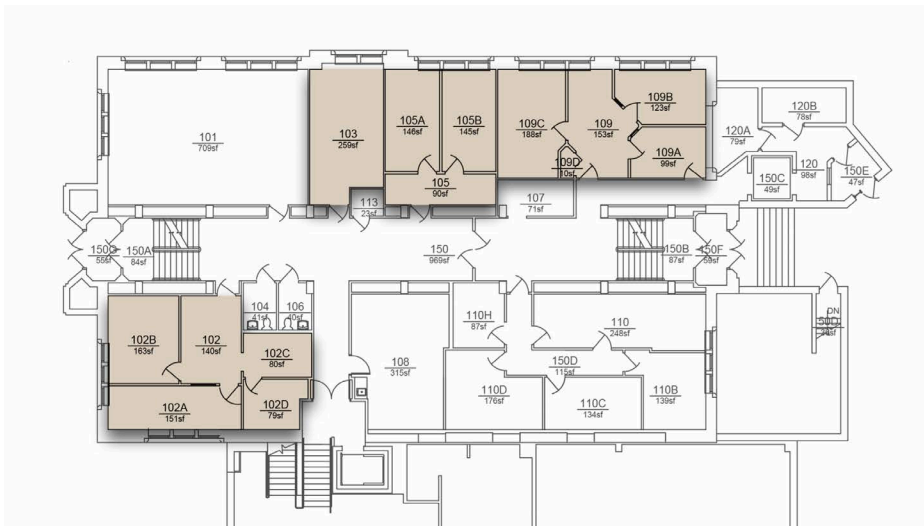
Allied Health Space Type	GSF
Social Work	6976
Use Breakout	
Classroom	0
Office	3748
Research	0
Clinic	0
Simulation	0
Building Resource	3228

# EXISTING BUILDING ANALYSIS



Gillette | Ground Level

■ Social Work



Gillette | Level 1

■ Social Work



Gillette | Level 2

■ Social Work

# EXISTING BUILDING ANALYSIS



## COLUMBIA

Year 1950 | Levels 7 | Net SF 155,891 | Gross SF 280,202

### BUILDING SUMMARY

Encompassing seven floors, Columbia Hall serves as a central hub for various academic departments and classrooms on the eastern edge of the UND campus. Its structure comprises a basement level and five above-ground floors. Currently only three of the seven floors are being utilized for Health Professions’ functions. The other floors of the building contain programs from other departments or are not being utilized because of aging infrastructure.

Biomedical Sciences spaces occupy all three of the Health Professions’ floors. They contain a mixture of classroom, lecture, research, and support spaces. An adjacent building (due North) of Columbia Hall is a dedicated Biomedical Research building. Spaces within Columbia Hall provide overflow room for learning and research. The Psychology department utilizes small and mid-size classroom spaces on the basement and second floor of the building. The main floor of Columbia Hall mainly comprises spaces for Biomedical functions, Communication Sciences and Disorders, and the Northern Prairie Community Clinic.

Columbia Hall is comprised of a brick veneer façade with cast-stone accents. Windows and entry systems are aluminum framed. As a seven-story building it is the tallest and largest structure on its campus block. The brick facade mimics other nearby structures and thus allows the building to integrate into its surroundings.

### Space Analysis Chart

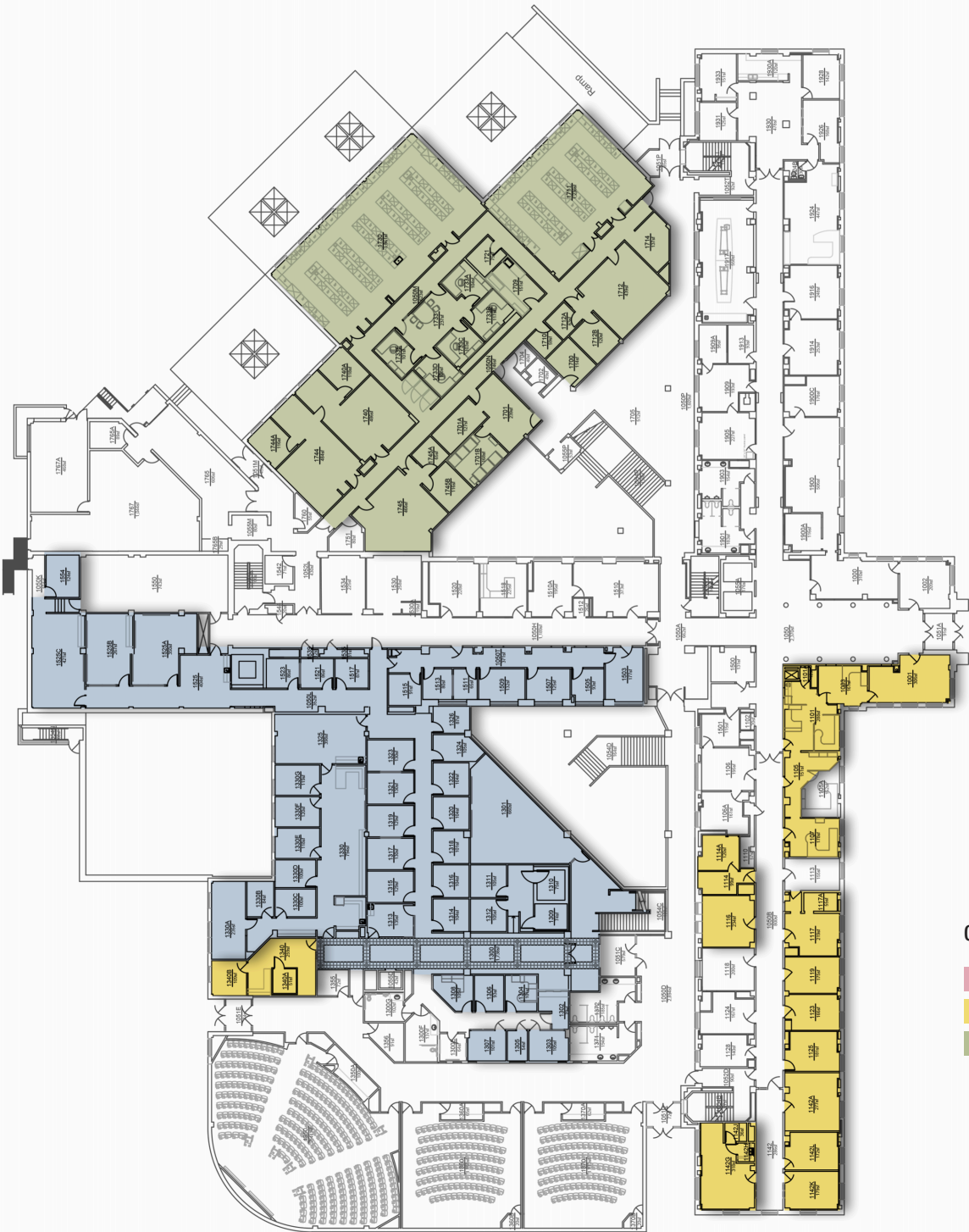
Allied Health Space Type	GSF
Center for Biomedical Research	2046
Integrated Clinic	6383
Psychology	14271
Communication Science + Disorders	3581
Biomedical Science	1703
Use Breakout	
Classroom	342
Office	8407
Research	5364
Clinic	6383
Simulation	0
Building Resource	5318



# EXISTING BUILDING ANALYSIS



# EXISTING BUILDING ANALYSIS



Columbia Hall | Level 1

- Northern Prairie Community Clinic
- Comm. Science + Disorders
- Biomedical Sciences

# EXISTING BUILDING ANALYSIS



# EXISTING BUILDING ANALYSIS



## BIOMEDICAL RESEARCH FACILITY

Year 2001 | Levels 3 | Net SF 21,902 | Gross SF 24,876

### BUILDING SUMMARY

Biomedical Research Facility is a single-story building comprised of research and supporting spaces for the Center for Biomedical Research. The entire building is dedicated to animal research, including animal housing, lab space and offices. The power in the facility is 100 percent backed-up should there be a power failure, while the animal rooms are always temperature and humidity controlled. Some of the largest rooms in the building are used for cage washing, storage, and research. The smaller rooms consist of animal storage and office space.

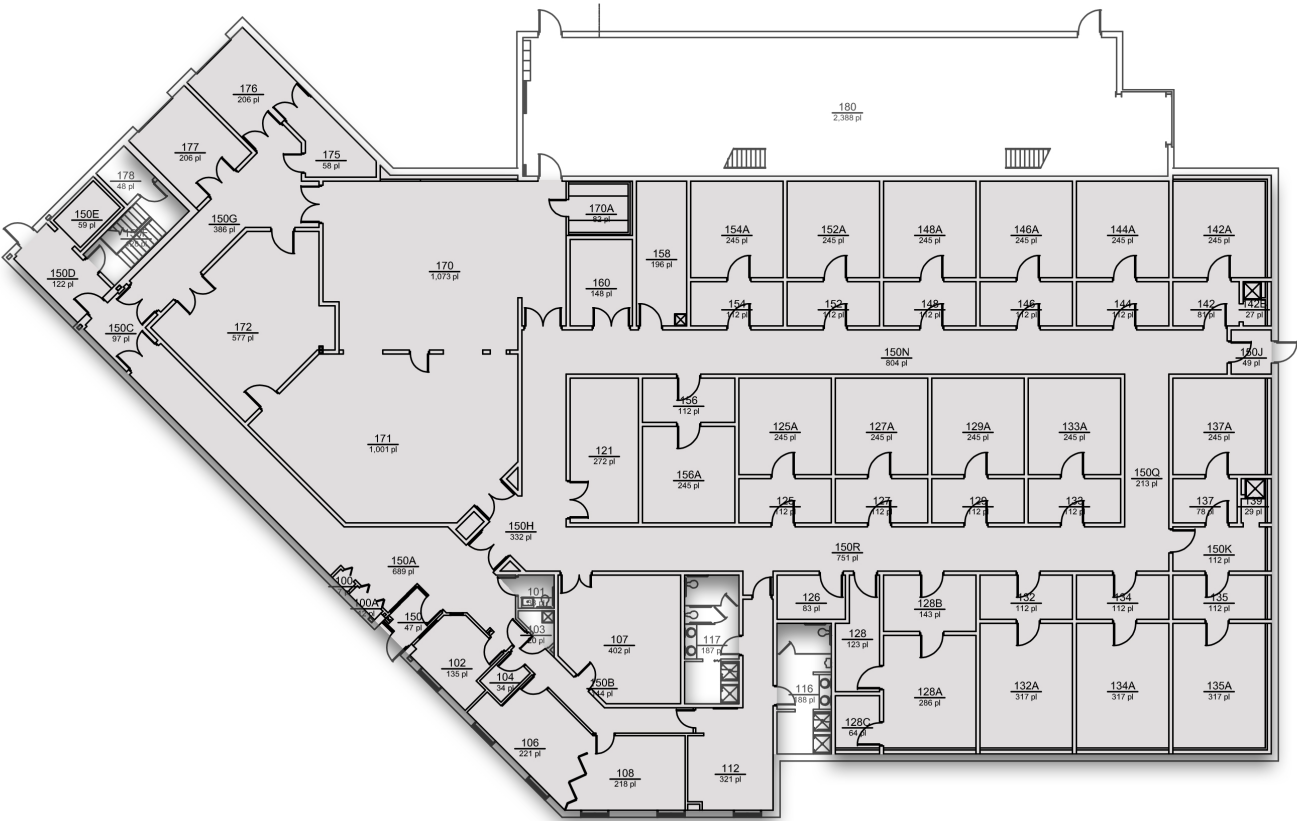
The building sits next to Columbia Hall and bears a similar red brick facade found across campus. A small number of exterior windows sit on the street-facing side of the building and are aluminum framed; this is not consistent throughout the campus. A mechanical penthouse sits on the roof and a large exhaust stack towers above the building.

### Space Analysis Chart

Allied Health Space Type	GSF
Center for Biomedical Research	14,875
Use Breakout	
Classroom	0
Office	0
Research	21,902
Clinic	0
Simulation	0
Building Resource	0



# EXISTING BUILDING ANALYSIS



Biomedical Research Facility | Level 1  
Center for Biomedical Research CBR-1

# EXISTING BUILDING ANALYSIS



## HYSLOP SPORTS CENTER

Year 1951 | Levels 5 | Net SF 237,277 | Gross SF 370,234

### BUILDING SUMMARY

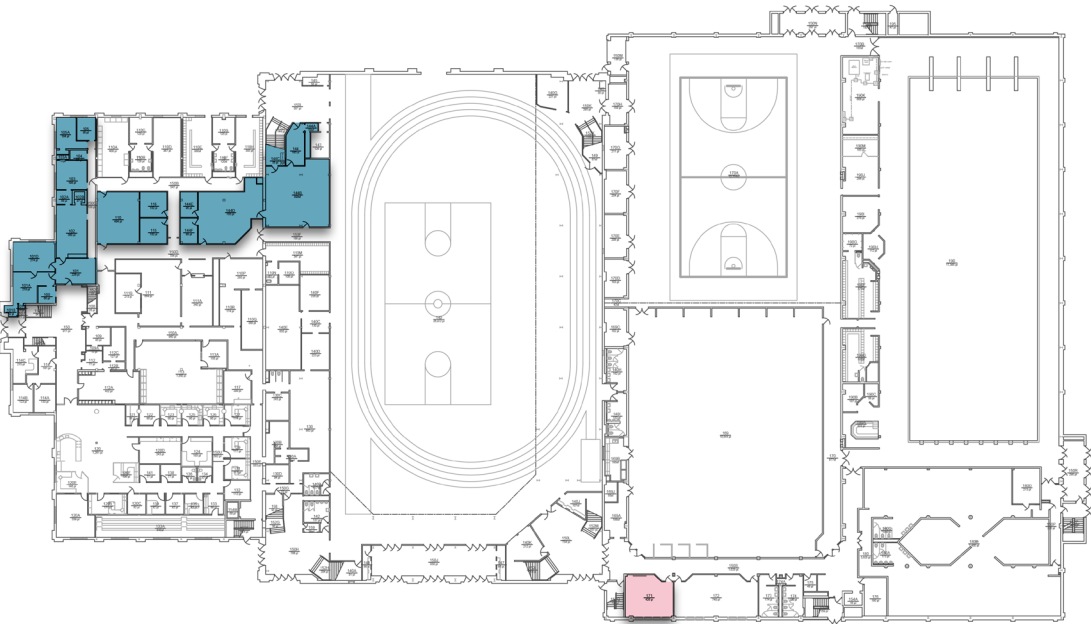
The Hyslop Sports Center is a large building with 5 floors plus a basement mechanical space. Kinesiology + Public Health Education and Sports Medicine are scattered throughout the building and consist of classroom space and faculty offices. The building is shared with multiple other programs including Theater Arts and Athletics, along with administration offices, an academic study center, swimming and diving pools, weight rooms, and locker room facilities. The gymnasium and Kinesiology Lab make up some of the largest spaces in the building.

The gymnasium is built using post frame truss construction giving it its high ceilings. Glass blocks at the gymnasium are reminiscent of the era in which the building was constructed. The exterior mimics the rest of the campus with its red brick and cast stone accents. The tan-colored window frames are inconsistent with surrounding buildings and contrast the dark colored doors across the exterior.

### Space Analysis Chart

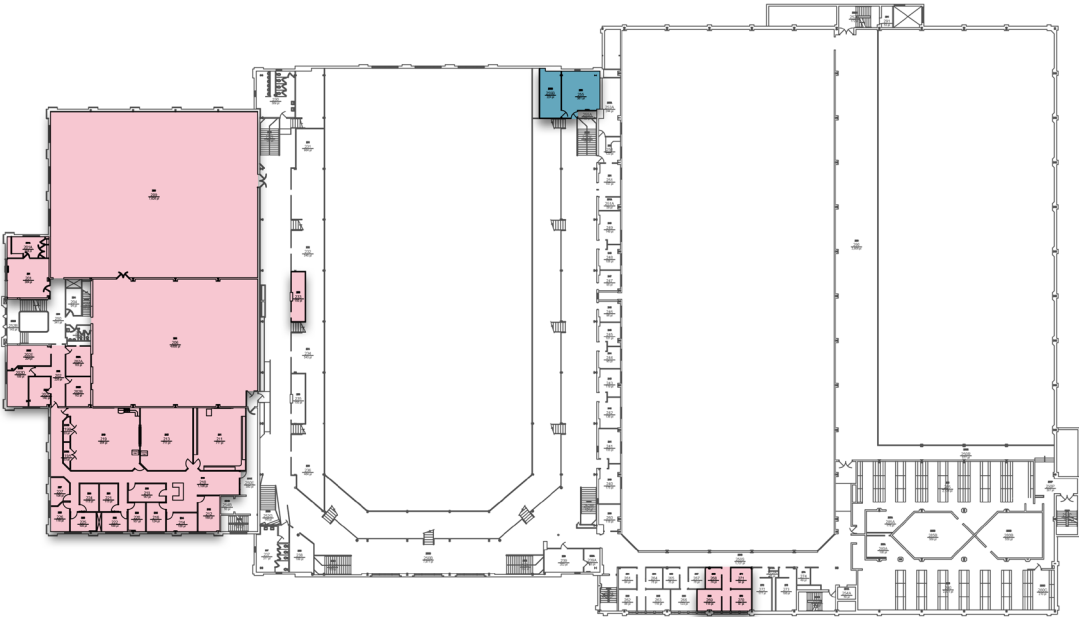
Allied Health Space Type	GSF
Kinesiology + Public Health Ed	23,622
Sports Medicine	5562
Use Breakout	
Classroom	35,200
Office	14154
Research	0
Clinic	0
Simulation	0
Building Resource	7157

# EXISTING BUILDING ANALYSIS



Hyslop Sports Center | Level 1

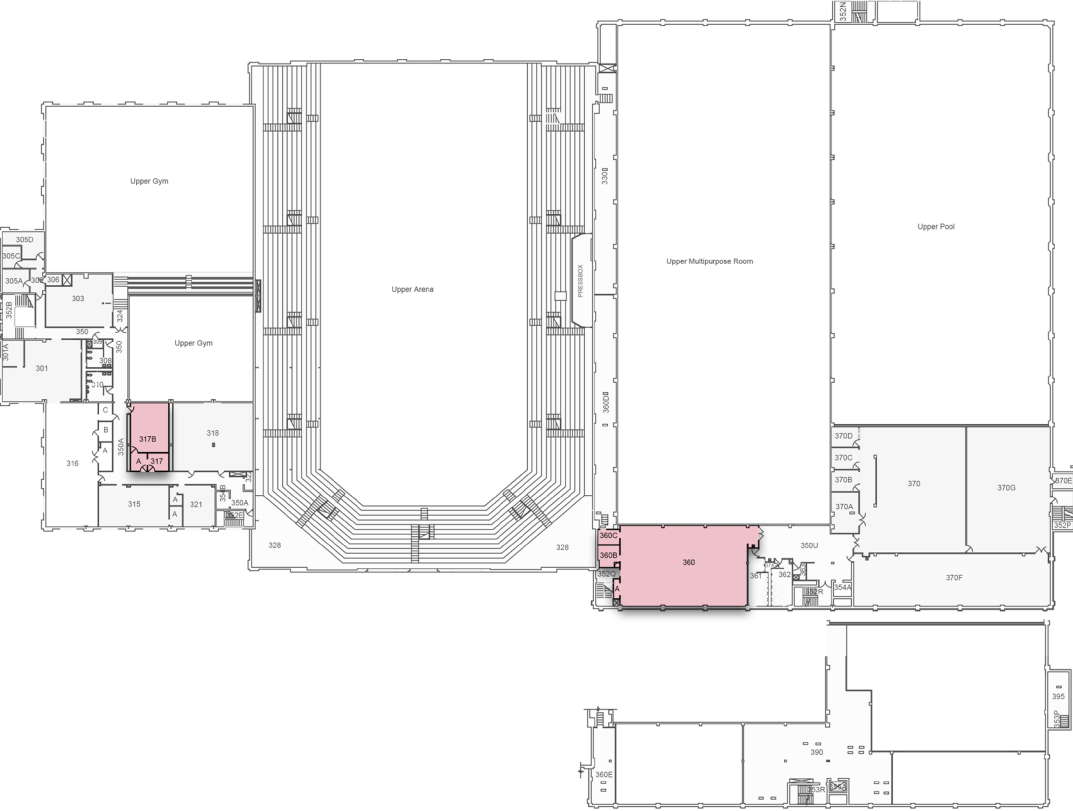
- Sports Medicine
- Kinesiology + Public Health Ed.



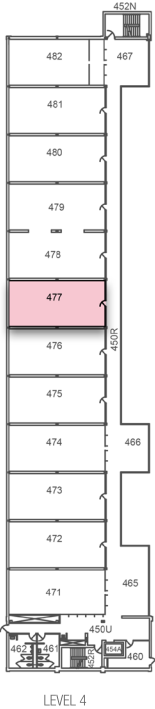
Hyslop Sports Center | Level 2

- Sports Medicine
- Kinesiology + Public Health Ed.

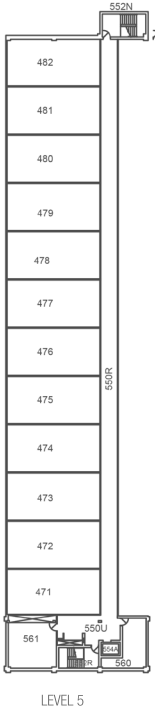
# EXISTING BUILDING ANALYSIS



Hyslop Sports Center | Level 3  
Kinesiology + Public Health Ed.



Hyslop Sports Center | Level 4 + 5  
Kinesiology + Public Health Ed.



# EXISTING BUILDING ANALYSIS



## Starcher Hall

Year 1980 | Levels 5 | Net SF 74,311 | Gross SF 98,326

### BUILDING SUMMARY

Starcher Hall is home to the Biology Department but also houses space for the Center for Biomedical Research and Sports Medicine. The 5-level building is topped with a mechanical space and greenhouses on the roof. The basement mostly consists of animal quarters, offices, and storage associated with the Center for Biomedical Research department. On the first floor, a small amount of space is used for Sports Medicine storage and offices. The remainder of the building is filled with Athletics and Biology programs.

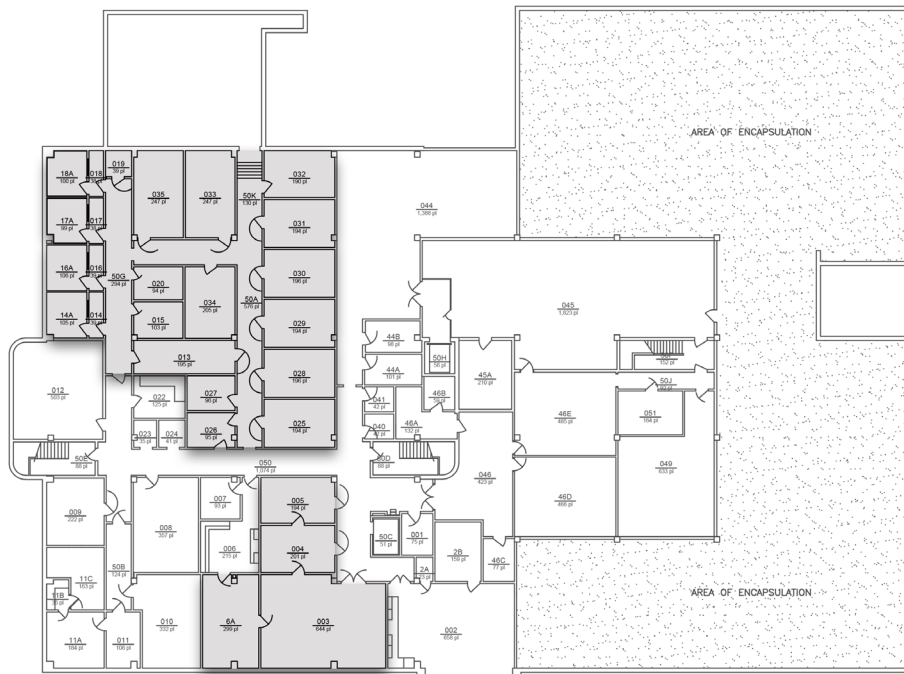
Sitting directly south of Hyslop Sports Center, the building's exterior is inconsistent with its surroundings and the architecture is not compatible with UND's Collegiate Gothic standard. The brown brick tones, lack of cast stone accents, and the small window openings conflict with the overall campus aesthetic.

### Space Analysis Chart

Allied Health Space Type	GSF
Center for Biomedical Research	5339
Sports Medicine	912
Use Breakout	
Classroom	0
Office	274
Research	4318
Clinic	0
Simulation	0
Building Resource	3417

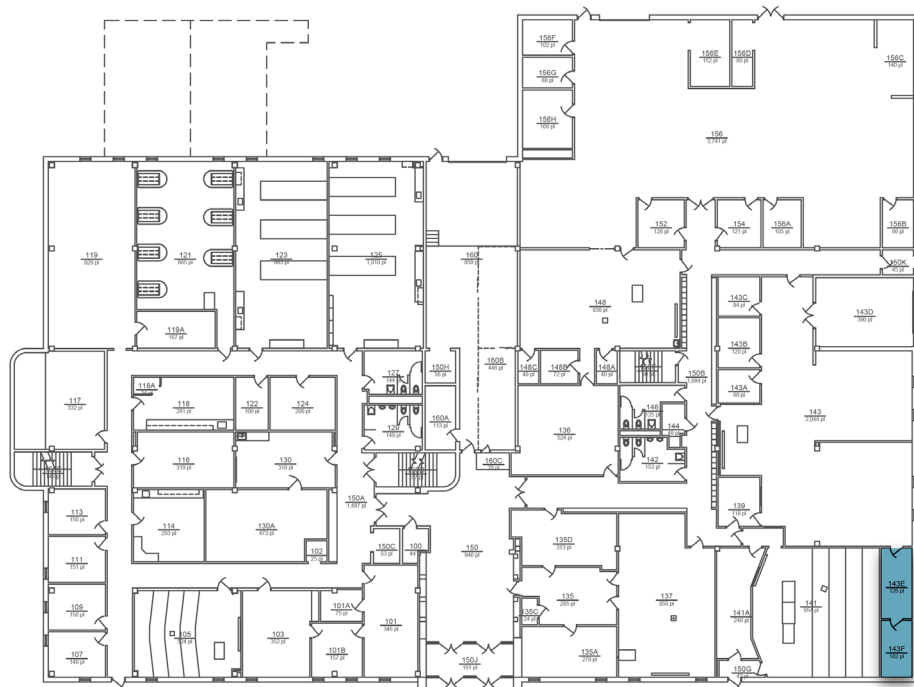


# EXISTING BUILDING ANALYSIS



Starcher Hall | Level 1

Center for Biomedical Research



Starcher Hall | Level 1

Sports Medicine



# EXISTING BUILDING ANALYSIS



## NEUROSCIENCE RESEARCH | CBR-1

Year 2006 | Levels 2 | Net SF 15,148 | Gross SF 19,478

### BUILDING SUMMARY

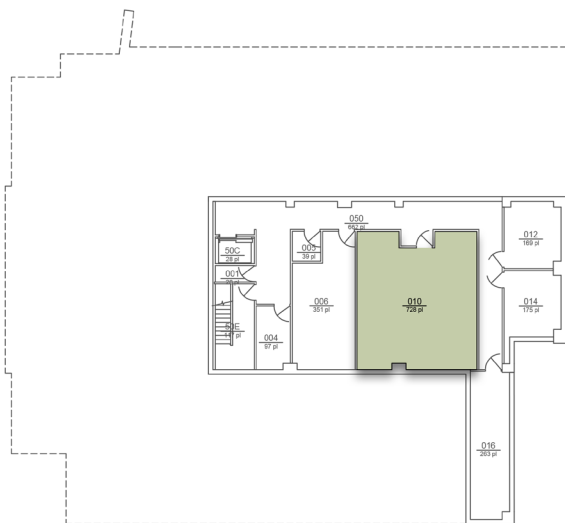
Adjacent to Columbia Hall, Neuroscience Research is a relatively small building with two floors dedicated to Biomedical Science. Housed inside the building, eight laboratories provide a space for engaged research in neurological disease and treatment.

On the exterior, the Neuroscience Research building is small in stature which relates to the scale of the surrounding family residences. In contrast to UND's Collegiate Gothic standard, the building prominently exhibits features of modern architecture such as large windows and steel louvers. Although dissimilar in form, a facade of red and brown brick harmonizes the structure with neighboring Columbia Hall.

### Space Analysis Chart

Allied Health Space Type	GSF
Biomedical Science	10101
Use Breakout	
Classroom	0
Office	1575
Research	7542
Clinic	0
Simulation	0
Building Resource	3816

# EXISTING BUILDING ANALYSIS



Neuroscience | Basement Level

■ Biomedical Sciences



Neuroscience | Level 1

■ Biomedical Sciences

# EXISTING BUILDING ANALYSIS



## Northern Plains Center for Behavioral Research

Year 2008 | Levels 3 | Net SF 22,798 | Gross SF 26,840

### BUILDING SUMMARY

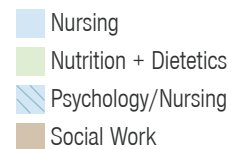
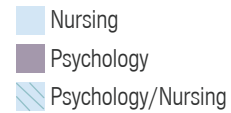
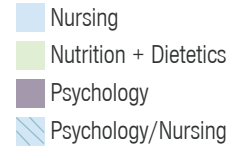
The Northern Plains Center for Behavioral Research has three levels and is connected to the College of Nursing on the third floor. Nursing and psychology comprise most of the space, followed by Nutrition + Dietetics and the Dean's Office of CNPD. The building houses a clinic space including a laboratory and exam rooms to assess research subjects as well as research labs, classrooms, and offices.

The exterior palette of the building corresponds to the College of Nursing but is inconsistent with the overall campus identity. The blonde brick base and tan EIFS clash with the red facade and collegiate gothic style of nearby buildings. The black storefront windows contrast the light-colored doors and windows at the building entry.

### Space Analysis Chart

Allied Health Space Type	GSF
Dean's Office CNPD	282
Nutrition + Dietetics	1116
Nursing	9294
Psychology	3458
Use Breakout	
Classroom	2208
Office	4467
Research	1177
Clinic	1169
Simulation	0
Building Resource	4115

# EXISTING BUILDING ANALYSIS





# EXISTING BUILDING ANALYSIS



## College of Nursing

Year 1976 | Levels 5 | Net SF 56,507 | Gross SF 61,796

### BUILDING SUMMARY

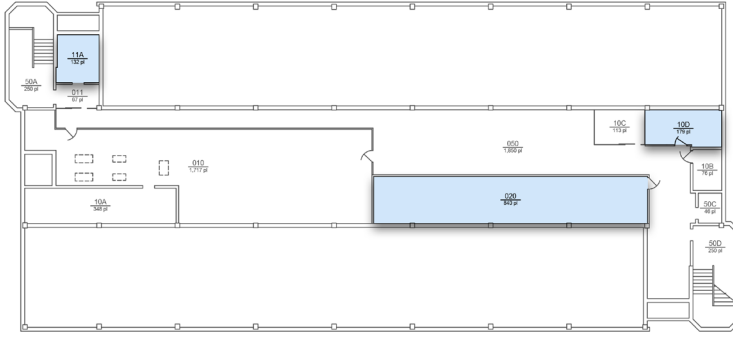
The College of Nursing is dedicated to Nursing, Nutrition + Dietetics, and Dean's Office CNPD spaces. The 4-level building is connected on the third level to the Northern Plains Center for Behavioral Research. The first floor houses classroom and simulation spaces for the Nursing department, while the second floor mostly comprises general use classroom space. The third floor consists almost entirely of staff offices and some workspaces.

Built in the 70s, the building's architecture does not resemble the Collegiate Gothic style UND strives for. The exterior is a stark contrast to the rest of the campus with its blonde brick and lack of cast stone accents. The white window frames stand out and are inconsistent with the surrounding buildings.


### Space Analysis Chart

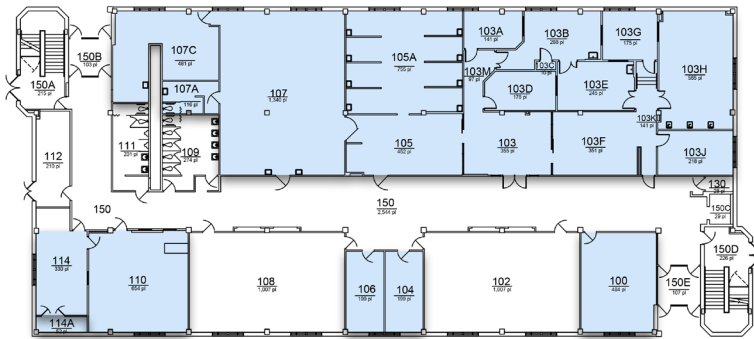
Allied Health Space Type	GSF
Dean's Office CNPD	2067
Nursing	17481
Nutrition + Dietetics	1682
Use Breakout	
Classroom	539
Office	8721
Research	1913
Clinic	0
Simulation	2849
Building Resource	6505

# EXISTING BUILDING ANALYSIS




College of Nursing | Basement Level

 Nursing



College of Nursing | Level 1

 Nursing



College of Nursing | Level 2

 Nursing

Nutrition + Dietetics



College of Nursing | Level 3

 Nursing



# EXISTING BUILDING ANALYSIS



## School of Medicine & Health Sciences

Year 2016 | Levels 5 | Net SF 292,583 | Gross SF 318,000

### BUILDING SUMMARY

The School of Medicine and Health Sciences (SMHS) is the newest healthcare building on campus, housing almost all of the School of Medicine's programs under one roof for the first time. Each floor features a wide corridor lined with flexible classrooms and labs. On the north and south ends of the corridor are Learning Communities for each of the eight disciplines. The main floor is open to the public and includes an auditorium, gathering spaces, cafeteria, and simulation center. Unlike many medical education buildings, every space has access to sunlight.

The SMHS building is framed on two sides by major roads on the campus's northern edge. This large 4-story building stands out on campus with its large expanses of glass and access to daylight. Even with its modern features, the red brick facade ties the building into the campus's collegiate gothic architecture style.

### Space Analysis Chart

<b>Allied Health Space Type</b>	GSF
Center for Biomedical Research (CBR-2)	6724
Indigenous Health	972
Medical Lab Science	7724
Occupational Therapy	5505
Physical Therapy	7180
Physician Assistant Studies	2124
Population Health & Public Health	3148
Sports Medicine	3359
<b>UND Simulation Center</b>	<b>15,196</b>
Biomedical Science	43,798
Continuing Med Ed	225
Dean's Office Med	70,820
Family + Community Medicine	1514
Geriatrics	2706
Indians into Medicine	1123
Internal Medicine	2066
Neurology	385
Pathology	8174
Pediatrics	385
Psychiatry + Behavior Science	1146
Rural Health	4570
Surgery	2500
<b>Use Breakout</b>	
Classroom	10,760
Office	13,099
Research	2410
Clinic	0
Simulation	6874
Building Resource	16,945

## EXISTING BUILDING ANALYSIS



## SMHS | Level 1

- Biomedical Sciences
- Dean's Office MED
- Center for Biomedical Research
- Rural Health
- Family and Community Medicine
- Simulation Center
- Rural Health
- Alumni & Community Relations

# EXISTING BUILDING ANALYSIS



# EXISTING BUILDING ANALYSIS





# EXISTING BUILDING ANALYSIS



SMHS | Level 4

- Biomedical Sciences
- Dean's Office MED
- Physician Assistant Studies
- Pathology

# EXISTING BUILDING UTILIZATION ANALYSIS | COLUMBIA

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE

AVERAGE UTILIZATION

62%

### COLUMBIA B320B

SEATING CAPACITY: 25

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	HOURS	HOURS		
MONDAY										20										2	2		
TUESDAY					23															2	2		
WEDNESDAY										10										2	2		
THURSDAY					23															2	2		
FRIDAY					12															2	2		
SATURDAY																							
SUNDAY																							

UNIVERSITY UTILIZATION

33%

HEALTH PROFESSIONS

33%

### COLUMBIA B321C

SEATING CAPACITY: 20

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY				18	18		5	19												4			
TUESDAY			10		20	18		20			18	20								9	1		
WEDNESDAY				18	18		5	19												4			
THURSDAY			10		20	18		20			18	20								9	1		
FRIDAY				18	18		5	19												4			
SATURDAY																							
SUNDAY																							

UNIVERSITY UTILIZATION

100%

HEALTH PROFESSIONS

7%

### COLUMBIA B321D

SEATING CAPACITY: 25

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	HOURS	HOURS		
MONDAY																							
TUESDAY																							
WEDNESDAY																							
THURSDAY																							
FRIDAY							19													2	2		
SATURDAY																							
SUNDAY																							

UNIVERSITY UTILIZATION

7%

HEALTH PROFESSIONS

7%





# EXISTING BUILDING ANALYSIS | EDUCATION

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE

AVERAGE UTILIZATION

57%

### EDUCATION 5

SEATING CAPACITY: 30

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM										PM										
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY				16	35	38	40	32	27											6	
TUESDAY			12		41	23		30	18											7	1
WEDNESDAY				16	35	38	40	32	27											6	
THURSDAY			12		41	23		30	18			E								7	1
FRIDAY				16	35	38	40	32	27											6	
SATURDAY																					
SUNDAY																					

UNIVERSITY UTILIZATION

107%

HEALTH PROFESSIONS

7%

### EDUCATION 7

SEATING CAPACITY: 150

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY				83		112														2	1	
TUESDAY			64			99			225		18									4		
WEDNESDAY				83		112	146													3	1	
THURSDAY			64			99			225		18									4		
FRIDAY				83		112														2	1	
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

50%

HEALTH PROFESSIONS

10%

### EDUCATION 9

SEATING CAPACITY: 28

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM										PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY					28															1	1	
TUESDAY					25	11	7	12					4							8	4	
WEDNESDAY					28							8								4	1	
THURSDAY					25	11	7	12												5		
FRIDAY					28	28														3	3	
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

70%

HEALTH PROFESSIONS

30%

# EXISTING BUILDING ANALYSIS | EDUCATION

EDUCATION 11																						
SEATING CAPACITY: 9																						
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY				7																2	2	
TUESDAY										9										3	3	
WEDNESDAY					3								1							6	3	
THURSDAY																						
FRIDAY					3															3		
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

47%

HEALTH PROFESSIONS

27%

EDUCATION 12																								
SEATING CAPACITY: 42																								
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM						PM																	
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY				7		15		15			11									8	4			
TUESDAY				18			42	17												4	1			
WEDNESDAY				7		15					27									5	1			
THURSDAY				18			42	21												4	1			
FRIDAY				7		15					3									3	1			
SATURDAY																								
SUNDAY																								

UNIVERSITY UTILIZATION

80%

HEALTH PROFESSIONS

27%

EDUCATION 16																						
SEATING CAPACITY: 27																						
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY												13								3		
TUESDAY				13		13	17		12											7	5	
WEDNESDAY											3									3	3	
THURSDAY				13		13	17		16			12								6	3	
FRIDAY				9		9		9												6	6	
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

83%

HEALTH PROFESSIONS

57%

# EXISTING BUILDING ANALYSIS | EDUCATION

EDUCATION 103																						
SEATING CAPACITY: 10																						
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM											PM										
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY												12								3		
TUESDAY																						
WEDNESDAY												0										
THURSDAY												12								3		
FRIDAY																						
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

20%

HEALTH PROFESSIONS

0%

EDUCATION 109																							
SEATING CAPACITY: 39																							
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	HOURS	HOURS		
MONDAY					18	14														2	1		
TUESDAY					20	24		48				10								8			
WEDNESDAY					18	14														2	1		
THURSDAY					20	24														3			
FRIDAY					18															3	3		
SATURDAY																							
SUNDAY																							

UNIVERSITY UTILIZATION

60%

HEALTH PROFESSIONS

17%

EDUCATION 112																							
SEATING CAPACITY: 30																							
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY									10				12							6	6		
TUESDAY				9																2	2		
WEDNESDAY									15			14								6	6		
THURSDAY																							
FRIDAY			29	28	28	28	28	28	28	27										8	8		
SATURDAY																							
SUNDAY																							

UNIVERSITY UTILIZATION

73%

HEALTH PROFESSIONS

73%

EDUCATION 113																							
SEATING CAPACITY: 100																							
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY			39	67			63		20											4	1		
TUESDAY					109		51		14											4			
WEDNESDAY			39	67			63		20											4	1		
THURSDAY					109		51		14	11										7	3		
FRIDAY			39	67			63		20											4	1		
SATURDAY																							
SUNDAY																							

UNIVERSITY UTILIZATION

77%

HEALTH PROFESSIONS

20%

# EXISTING BUILDING ANALYSIS | EDUCATION

## EDUCATION 114

SEATING CAPACITY: 20

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM						PM														
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																					
TUESDAY																					
WEDNESDAY																					
THURSDAY					13															3	3
FRIDAY																					
SATURDAY																					
SUNDAY																					

UNIVERSITY UTILIZATION

10%

HEALTH PROFESSIONS

10%

## EDUCATION 115

SEATING CAPACITY: 30

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM											PM										
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY																						
TUESDAY						19			19	18										4		
WEDNESDAY												16								2		
THURSDAY						19			19	18										4		
FRIDAY				24	25	13	24													4	4	
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

47%

HEALTH PROFESSIONS

13%

## EDUCATION 294

SEATING CAPACITY: 20

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	HOURS	HOURS	
MONDAY																						
TUESDAY							6													2		
WEDNESDAY				12																2	2	
THURSDAY																						
FRIDAY																						
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

13%

HEALTH PROFESSIONS

7%





# EXISTING BUILDING ANALYSIS | GILLETTE

## Health Professions Departments

COUNSELING

NUTRITION + DIETETICS

SOCIAL WORK

COMMUNICATION SCIENCE + DISORDERS

KINESIOLOGY

NURSING

PSYCHOLOGY

ALL OTHER UNIVERSITY USE

AVERAGE UTILIZATION

43%

GILLETTE 101																					
SEATING CAPACITY: 28																					
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM											PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																					
TUESDAY																					
WEDNESDAY																					
THURSDAY					9		4		9											6	6
FRIDAY							4													7	7
SATURDAY																					
SUNDAY																					

UNIVERSITY UTILIZATION

43%

HEALTH PROFESSIONS

43%

# EXISTING BUILDING ANALYSIS | HYSLOP

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE

AVERAGE UTILIZATION

44%

### HYSLOP 172

SEATING CAPACITY: 36

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY							33													1			
TUESDAY				6		40	36		22											4	4		
WEDNESDAY							33													1			
THURSDAY				6		40	36		22											4	4		
FRIDAY				8		23														4	4		
SATURDAY																							
SUNDAY																							

UNIVERSITY UTILIZATION

47%

HEALTH PROFESSIONS

40%

### HYSLOP 190

SEATING CAPACITY: 30

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM												PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY				8																1	1			
TUESDAY																								
WEDNESDAY				8																1	1			
THURSDAY																								
FRIDAY				8																1	1			
SATURDAY																								
SUNDAY																								

UNIVERSITY UTILIZATION

10%

HEALTH PROFESSIONS

10%

### HYSLOP 206

SEATING CAPACITY: 30

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY				8	32	23						20								4	4		
TUESDAY					22															2	2		
WEDNESDAY				8	32	23						20								4	4		
THURSDAY					22															2	2		
FRIDAY				8	32	23														3	3		
SATURDAY				12				13													9	9	
SUNDAY																							

UNIVERSITY UTILIZATION

80%

HEALTH PROFESSIONS

80%

# EXISTING BUILDING ANALYSIS | HYSLOP

## HYSLOP 209

SEATING CAPACITY: 30

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM							PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY				13									12							3	1			
TUESDAY				7			23													4	4			
WEDNESDAY				13									12							3	1			
THURSDAY				7			23													4	4			
FRIDAY				13									12							3	1			
SATURDAY																								
SUNDAY																								

UNIVERSITY UTILIZATION

57%

HEALTH PROFESSIONS

37%

## HYSLOP 219

SEATING CAPACITY: 48

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM							PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY							29													1	1			
TUESDAY				11			2													4	4			
WEDNESDAY							29													1	1			
THURSDAY				11			2													4	4			
FRIDAY							29													1	1			
SATURDAY																								
SUNDAY																								

UNIVERSITY UTILIZATION

37%

HEALTH PROFESSIONS

37%

## HYSLOP 316

SEATING CAPACITY: 71

Fall 2023		TIME OF DAY AND NUMBER OF STUDENTS																							
	AM												PM												
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS				
MONDAY				39		73														2	1				
TUESDAY							45													5	5				
WEDNESDAY				39		73							10							4	3				
THURSDAY							45					7								5	5				
FRIDAY			5			73														3	3				
SATURDAY																									
SUNDAY																									

UNIVERSITY UTILIZATION

63%

HEALTH PROFESSIONS

57%

## HYSLOP 360

SEATING CAPACITY: 15

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM							PM														
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY																						
TUESDAY																						
WEDNESDAY																						
THURSDAY																						
FRIDAY						6			14											4	4	
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

13%

HEALTH PROFESSIONS

13%

# EXISTING BUILDING ANALYSIS | NURSING

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE

AVERAGE UTILIZATION

69%

### NURSING 102

SEATING CAPACITY: 65

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM											PM												
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY			59																	2	2			
TUESDAY			10																			8	8	
WEDNESDAY			10																			8	8	
THURSDAY									18											1				
FRIDAY	8																			6	6			
SATURDAY																								
SUNDAY																								

UNIVERSITY UTILIZATION

83%

HEALTH PROFESSIONS

80%

### NURSING 105

SEATING CAPACITY: 16

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM						PM																	
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY																								
TUESDAY																								
WEDNESDAY																								
THURSDAY				16																3	3			
FRIDAY	8																			6	6			
SATURDAY																								
SUNDAY																								

UNIVERSITY UTILIZATION

30%

HEALTH PROFESSIONS

30%

### NURSING 107

SEATING CAPACITY: 16

Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY																							
TUESDAY																							
WEDNESDAY																							
THURSDAY					16															3	3		
FRIDAY					11															3	3		
SATURDAY																							
SUNDAY																							

UNIVERSITY UTILIZATION

20%

HEALTH PROFESSIONS

20%

# EXISTING BUILDING ANALYSIS | NURSING

NURSING 108																						
SEATING CAPACITY: 64																						
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM											PM										
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY				28																	4	4
TUESDAY					46	17														3		
WEDNESDAY				6																	7	7
THURSDAY					46	17														3		
FRIDAY				28																	7	7
SATURDAY																						
SUNDAY																						

UNIVERSITY UTILIZATION

80%

HEALTH PROFESSIONS

60%

NURSING 201																						
SEATING CAPACITY: 64																						
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM												PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	HOURS	HOURS	
MONDAY			64		60				60			21								7	7	
TUESDAY							11													8	8	
WEDNESDAY			64			22														4	4	
THURSDAY							52													6	6	
FRIDAY			8																	3	3	
SATURDAY									64											2	2	
SUNDAY																						

UNIVERSITY UTILIZATION

100%

HEALTH PROFESSIONS

100%

NURSING 202																												
SEATING CAPACITY: 33																												
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																											
	AM												PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS							
MONDAY				6						10										5	5							
TUESDAY		8																									16	16
WEDNESDAY				6					8																		4	4
THURSDAY				30																			7	7				
FRIDAY				6																	4	4						
SATURDAY																												
SUNDAY																												

UNIVERSITY UTILIZATION

120%

HEALTH PROFESSIONS

120%

NURSING 204																							
SEATING CAPACITY: 18																							
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM							PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	HOURS	HOURS		
MONDAY				6							10		5	6	7	8	9	10	11	12	5	4	
TUESDAY																							
WEDNESDAY				6							10										5	4	
THURSDAY		8																			6	6	
FRIDAY					6																4	4	
SATURDAY																							
SUNDAY																							

UNIVERSITY UTILIZATION

67%

HEALTH PROFESSIONS

60%

# EXISTING BUILDING ANALYSIS | NURSING

NURSING 209																					
SEATING CAPACITY: 295																					
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM	PM																			
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY				11																1	1
TUESDAY																					
WEDNESDAY				11																1	1
THURSDAY				11																2	2
FRIDAY																					
SATURDAY																					
SUNDAY																					

UNIVERSITY UTILIZATION

13%

HEALTH PROFESSIONS

13%

NURSING 210																					
SEATING CAPACITY: 64																					
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM	PM																			
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY						37			46											4	4
TUESDAY				64					32											5	5
WEDNESDAY							49													2	2
THURSDAY			8																	6	6
FRIDAY			8																	4	4
SATURDAY																					
SUNDAY																					

UNIVERSITY UTILIZATION

70%

HEALTH PROFESSIONS

70%

NURSING 214																					
SEATING CAPACITY: 18																					
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM	PM																			
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY								14			9	8								3	3
TUESDAY								14												1	1
WEDNESDAY																					
THURSDAY			8								9									12	12
FRIDAY			8					14												7	7
SATURDAY																					
SUNDAY																					

UNIVERSITY UTILIZATION

77%

HEALTH PROFESSIONS

77%

NURSING 216																					
SEATING CAPACITY: 13																					
Fall 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM	PM																			
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																					
TUESDAY				10																9	9
WEDNESDAY				10																9	9
THURSDAY			8																	6	6
FRIDAY			8																	6	6
SATURDAY																					
SUNDAY																					

UNIVERSITY UTILIZATION

100%

HEALTH PROFESSIONS

100%



# EXISTING BUILDING ANALYSIS | ABBOTT

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE
AVERAGE UTILIZATION	13%

ABBOTT																							
SEATING CAPACITY: 100																							
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY			85			45			87	70					90					6	-		
TUESDAY			7						61						53					5	2		
WEDNESDAY			85			45			87	70										4	-		
THURSDAY			7						61						31					5	2		
FRIDAY			85			45			87	70										4	-		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION	80%
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HEALTH PROFESSIONS	13%
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Notes:  
Abbott 2 overlapping/duplicate classes - T

# EXISTING BUILDING ANALYSIS | COLUMBIA

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE
AVERAGE UTILIZATION	37%

COLUMBIA 1350																							
SEATING CAPACITY: 210																							
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											U HOURS
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12				
MONDAY						38		128		28											3	1	
TUESDAY												100									2	-	
WEDNESDAY								128													1	1	
THURSDAY																					-	-	
FRIDAY								128				100									3	1	
SATURDAY																					-	-	
SUNDAY																					-	-	

UNIVERSITY UTILIZATION

30%

HEALTH PROFESSIONS

10%

UNIVERSITY UTILIZATION

30%

HEALTH PROFESSIONS

10%

COLUMBIA 1360																									
SEATING CAPACITY: 90																									
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																								
	AM						PM																		U HOURS
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12						
MONDAY							31	36														2	2		
TUESDAY				71																		1	1		
WEDNESDAY							31	36					22									5	5		
THURSDAY				71																		1	1		
FRIDAY					22		31	36														5	5		
SATURDAY																						-	-		
SUNDAY																						-	-		

UNIVERSITY UTILIZATION

47%

HEALTH PROFESSIONS

47%

UNIVERSITY UTILIZATION

47%

HEALTH PROFESSIONS

47%

COLUMBIA 1370																											
SEATING CAPACITY: 60																											
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																										
	AM						PM																				
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	HOURS						
MONDAY				26		18		31												3	3						
TUESDAY				20				84	43				50							5	2						
WEDNESDAY				26		18		31												3	3						
THURSDAY				20				84	43				50							5	2						
FRIDAY				26		18		31												3	3						
SATURDAY																				-	-						
SUNDAY																				-	-						
UNIVERSITY UTILIZATION													63%		HEALTH PROFESSIONS											43%	

UNIVERSITY UTILIZATION

63%

HEALTH PROFESSIONS

43%

# EXISTING BUILDING ANALYSIS | COLUMBIA

## COLUMBIA 1550

SEATING CAPACITY: 40

SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	HOURS	
MONDAY																				-	-	
TUESDAY					20			31			25									6	6	
WEDNESDAY																				-	-	
THURSDAY					20			31			25									6	6	
FRIDAY																				-	-	
SATURDAY																				-	-	
SUNDAY																				-	-	

UNIVERSITY UTILIZATION

40%

HEALTH PROFESSIONS

40%

## COLUMBIA B320B

SEATING CAPACITY: 30

SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	HOURS	
MONDAY				25	28				25											4	4	
TUESDAY				31			22													5	5	
WEDNESDAY				25	28				25											4	4	
THURSDAY				31			22													5	5	
FRIDAY				25	28				25											4	4	
SATURDAY																				-	-	
SUNDAY																				-	-	

UNIVERSITY UTILIZATION

73%

HEALTH PROFESSIONS

73%

## COLUMBIA B321D

SEATING CAPACITY: 20

SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	HOURS	
MONDAY																				-	-	
TUESDAY									12											1	1	
WEDNESDAY																				-	-	
THURSDAY									12											1	1	
FRIDAY																				-	-	
SATURDAY																				-	-	
SUNDAY																				-	-	

UNIVERSITY UTILIZATION

7%

HEALTH PROFESSIONS

7%

Notes:

COLUMBIA B321C?

Columbia 1360

classes at same time - Monday 12pm  
Round 00:30 start time down - Tuesday 9 am  
3, 4 overlapping/duplicate classes - Monday

Columbia 1350

# EXISTING BUILDING ANALYSIS | EDUCATION

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE

AVERAGE UTILIZATION

29%

### EDUCATION 9

SEATING CAPACITY: 25

SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY							7													1	1		
TUESDAY					20	19														3	3		
WEDNESDAY						2	7													2	2		
THURSDAY					20	19					13									7	7		
FRIDAY							7													1	1		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

47%

HEALTH PROFESSIONS

47%

### EDUCATION 11

SEATING CAPACITY: 15

SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY									7											2	2		
TUESDAY													9							3	3		
WEDNESDAY									5											3	3		
THURSDAY																				-	-		
FRIDAY																				-	-		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

27%

HEALTH PROFESSIONS

27%

### EDUCATION 12

SEATING CAPACITY: 30

SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY				29		25														2	-		
TUESDAY					39	16		10												3	1		
WEDNESDAY				29		25														2	-		
THURSDAY					39	16		10				11								5	3		
FRIDAY				29	16	25														3	1		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

50%

HEALTH PROFESSIONS

17%

# EXISTING BUILDING ANALYSIS | EDUCATION

EDUCATION 16																					
SEATING CAPACITY: 30																					
SPRING 2023																					
TIME OF DAY AND NUMBER OF STUDENTS																					
	AM											PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY				11	6															3	3
TUESDAY					15															3	3
WEDNESDAY				11	6															3	3
THURSDAY					13		13		13				25							9	6
FRIDAY				11			16		13											5	5
SATURDAY																				-	-
SUNDAY																				-	-

UNIVERSITY UTILIZATION

77%

HEALTH PROFESSIONS

67%

EDUCATION 103																					
SEATING CAPACITY: 12																					
SPRING 2023																					
TIME OF DAY AND NUMBER OF STUDENTS																					
	AM											PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																				-	-
TUESDAY													1							3	3
WEDNESDAY																				-	-
THURSDAY																				-	-
FRIDAY																				-	-
SATURDAY																				-	-
SUNDAY																				-	-

UNIVERSITY UTILIZATION

10%

HEALTH PROFESSIONS

10%

EDUCATION 104																					
SEATING CAPACITY: 10																					
SPRING 2023																					
TIME OF DAY AND NUMBER OF STUDENTS																					
	AM											PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																				-	-
TUESDAY										1										3	3
WEDNESDAY											7									4	4
THURSDAY																				-	-
FRIDAY																				-	-
SATURDAY																				-	-
SUNDAY								11												4	4

UNIVERSITY UTILIZATION

37%

HEALTH PROFESSIONS

37%

EDUCATION 109																					
SEATING CAPACITY: 35																					
SPRING 2023																					
TIME OF DAY AND NUMBER OF STUDENTS																					
	AM											PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY					9	8					9									5	5
TUESDAY					24							31		23						5	-
WEDNESDAY					9	8					4									5	2
THURSDAY					24															1	-
FRIDAY					9	8														2	2
SATURDAY																				-	-
SUNDAY																				-	-

UNIVERSITY UTILIZATION

60%

HEALTH PROFESSIONS

30%



# EXISTING BUILDING ANALYSIS | EDUCATION

EDUCATION 112																							
SEATING CAPACITY: 25																							
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY																				-	-		
TUESDAY					25				20											2	1		
WEDNESDAY																				-	-		
THURSDAY					25	11			20											3	1		
FRIDAY																				-	-		
SATURDAY			6	15	16	21	24	10	7	9										8	8		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

43%

HEALTH PROFESSIONS

33%

EDUCATION 115																							
SEATING CAPACITY: 38																							
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY																				-	-		
TUESDAY					6							11								6	3		
WEDNESDAY					15															2	2		
THURSDAY				4	6	35			16	9										5	5		
FRIDAY			15	12	27	28	20		7											6	6		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

63%

HEALTH PROFESSIONS

53%

EDUCATION 5																							
SEATING CAPACITY: 50																							
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY					34	24		43			8									4	1		
TUESDAY						26		42	40											3	-		
WEDNESDAY					34	24		43			8									4	1		
THURSDAY					31	26		42	40											4	-		
FRIDAY					34	24														2	-		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

57%

HEALTH PROFESSIONS

7%

EDUCATION 113																							
SEATING CAPACITY: 90																							
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY			37	28	29	59	43	11												6	1		
TUESDAY					77	54	52													4	1		
WEDNESDAY			37	28	29	59	43	11												6	1		
THURSDAY					77	54														2	1		
FRIDAY			37	28	29	59	43	11												6	1		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

80%

HEALTH PROFESSIONS

17%

# EXISTING BUILDING ANALYSIS | EDUCATION

EDUCATION 114																					
SEATING CAPACITY: 29																					
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM											PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																				-	-
TUESDAY					15			9												2	-
WEDNESDAY																				-	-
THURSDAY					15			9												2	-
FRIDAY					20	13	20													3	3
SATURDAY																				-	-
SUNDAY																				-	-

UNIVERSITY UTILIZATION	23%	HEALTH PROFESSIONS	10%
------------------------	-----	--------------------	-----

Notes:

Education 9

Education 12

Education 109

Education 115

2 overlapping/duplicate classes - Thursday

2 overlapping/duplicate classes - Thursday

2 overlapping/duplicate classes - Tuesday

2 overlapping/duplicate classes - Friday

# EXISTING BUILDING ANALYSIS | GAMBLE

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE
AVERAGE UTILIZATION	20%

GAMBLE 225																							
SEATING CAPACITY: 47																							
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM						PM																
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY							22	22	44											4	2		
TUESDAY					22			22	10											3			
WEDNESDAY							22	22	44											4	2		
THURSDAY					22			22	10											3			
FRIDAY							22	22	44											4	2		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION	60%
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HEALTH PROFESSIONS	20%
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# EXISTING BUILDING ANALYSIS | HYSLOP

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE
AVERAGE UTILIZATION	37%

HYSLOP 172																					
SEATING CAPACITY: 30																					
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM											PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																				-	
TUESDAY																				-	
WEDNESDAY													8							2	2
THURSDAY																				-	
FRIDAY				14				10												4	4
SATURDAY																				-	
SUNDAY																				-	

UNIVERSITY UTILIZATION 20%

HEALTH PROFESSIONS 20%

HYSLOP 206																					
SEATING CAPACITY: 40																					
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM											PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY					34															1	1
TUESDAY				24					43											3	3
WEDNESDAY					34															1	1
THURSDAY				24					43											3	3
FRIDAY					34															1	1
SATURDAY																				-	
SUNDAY																				-	

UNIVERSITY UTILIZATION 30%

HEALTH PROFESSIONS 30%

HYSLOP 209																					
SEATING CAPACITY: 35																					
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM											PM									
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY							23					12								2	1
TUESDAY				18		28		20												3	3
WEDNESDAY							23					12								2	1
THURSDAY				18		28		20												3	3
FRIDAY							23					12								2	1
SATURDAY																				-	-
SUNDAY																				-	-

UNIVERSITY UTILIZATION 40%

HEALTH PROFESSIONS 30%

# EXISTING BUILDING ANALYSIS | HYSLOP

HYSLOP 219																							
SEATING CAPACITY: 40																							
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY							16	16												2	2		
TUESDAY						27														1	1		
WEDNESDAY							16	16												2	2		
THURSDAY						27														1	1		
FRIDAY																				-	-		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION	20%	HEALTH PROFESSIONS	20%
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HYSLOP 316																							
SEATING CAPACITY: 71																							
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM											
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY						72														1	1		
TUESDAY								60	60											2	2		
WEDNESDAY						72								15						3	3		
THURSDAY								60												1	1		
FRIDAY						72														1	1		
SATURDAY						10						10								9	9		
SUNDAY						10						10								9	9		

UNIVERSITY UTILIZATION	87%	HEALTH PROFESSIONS	87%
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# EXISTING BUILDING ANALYSIS | LEONARD

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE
AVERAGE UTILIZATION	7%

LEONARD 100																						
SEATING CAPACITY: 40																						
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																					
	AM						PM															
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS	
MONDAY					26	14			15											3	-	
TUESDAY			25				213		37											3	1	
WEDNESDAY					26	14			15											3	-	
THURSDAY			25				213		37											3	1	
FRIDAY					26	14	2		15											4	-	
SATURDAY																				-	-	
SUNDAY																				-	-	

UNIVERSITY UTILIZATION

53%

HEALTH PROFESSIONS

7%

Notes:

Leonard 100

2 overlapping/duplicate classes - TR  
Overlapping/duplicate classes - F

UNIVERSITY UTILIZATION53%

HEALTH PROFESSIONS7%



# EXISTING BUILDING ANALYSIS | NURSING

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE
AVERAGE UTILIZATION	66%

NURSING 102																					
SEATING CAPACITY: 8																					
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM						PM														
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																				-	-
TUESDAY																				-	-
WEDNESDAY																				-	-
THURSDAY																				-	-
FRIDAY	8																			7	7
SATURDAY																				-	-
SUNDAY																				-	-

UNIVERSITY UTILIZATION 23%

HEALTH PROFESSIONS 23%

NURSING 105																					
SEATING CAPACITY: 16																					
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM						PM														
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																				-	-
TUESDAY																				-	-
WEDNESDAY																				-	-
THURSDAY				15																3	3
FRIDAY	8																			7	7
SATURDAY																				-	-
SUNDAY																				-	-

UNIVERSITY UTILIZATION 33%

HEALTH PROFESSIONS 33%

NURSING 107																					
SEATING CAPACITY: 16																					
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																				
	AM						PM														
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS
MONDAY																				-	-
TUESDAY																				-	-
WEDNESDAY																				-	-
THURSDAY				15																3	3
FRIDAY				16																3	3
SATURDAY																				-	-
SUNDAY																				-	-

UNIVERSITY UTILIZATION 20%

HEALTH PROFESSIONS 20%

# EXISTING BUILDING ANALYSIS | NURSING

NURSING 108																								
SEATING CAPACITY: 65																								
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM											PM												
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY				52							8									4	4			
TUESDAY							11													9	9			
WEDNESDAY							11													9	9			
THURSDAY																				0	0			
FRIDAY							31													7	7			
SATURDAY																				-	-			
SUNDAY																				-	-			

UNIVERSITY UTILIZATION 97%

HEALTH PROFESSIONS 97%

NURSING 201																								
SEATING CAPACITY: 60																								
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM											PM												
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY				54		49			54		7									8	8			
TUESDAY						54														7	7			
WEDNESDAY				55																2	2			
THURSDAY						54														7	7			
FRIDAY									14											2	2			
SATURDAY																				-	-			
SUNDAY																				-	-			

UNIVERSITY UTILIZATION 87%

HEALTH PROFESSIONS 87%

NURSING 202																								
SEATING CAPACITY: 39																								
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM											PM												
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY							32													8	8			
TUESDAY							11													9	9			
WEDNESDAY							11													9	9			
THURSDAY							32													8	8			
FRIDAY							32													8	8			
SATURDAY																				-	-			
SUNDAY																				-	-			

UNIVERSITY UTILIZATION 140%

HEALTH PROFESSIONS 140%

NURSING 204																								
SEATING CAPACITY: 22																								
SPRING 2023	TIME OF DAY AND NUMBER OF STUDENTS																							
	AM											PM												
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY				22		22						8								7	7			
TUESDAY																				-	-			
WEDNESDAY																				-	-			
THURSDAY						8														7	7			
FRIDAY																				-	-			
SATURDAY																				-	-			
SUNDAY																				-	-			

UNIVERSITY UTILIZATION 47%

HEALTH PROFESSIONS 47%

# EXISTING BUILDING ANALYSIS | NURSING

NURSING 210																							
SEATING CAPACITY: 67																							
SPRING 2023																							
TIME OF DAY AND NUMBER OF STUDENTS																							
DAY	AM											PM											
	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY						15			59		7									6	6		
TUESDAY				54					12											5	5		
WEDNESDAY							61													2	2		
THURSDAY																				-	-		
FRIDAY							61													2	2		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

50%

HEALTH PROFESSIONS

50%

NURSING 214																							
SEATING CAPACITY: 13																							
SPRING 2023																							
TIME OF DAY AND NUMBER OF STUDENTS																							
DAY	AM											PM											
	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY										7	8									3	3		
TUESDAY							11													9	9		
WEDNESDAY							11													9	9		
THURSDAY				8																7	7		
FRIDAY				7																7	7		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

117%

HEALTH PROFESSIONS

117%

NURSING 216																							
SEATING CAPACITY: 13																							
SPRING 2023																							
TIME OF DAY AND NUMBER OF STUDENTS																							
DAY	AM											PM											
	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY																				-	-		
TUESDAY							11													9	9		
WEDNESDAY							11													9	9		
THURSDAY				8																7	7		
FRIDAY				7																7	7		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

107%

HEALTH PROFESSIONS

107%

NURSING 209																							
SEATING CAPACITY: 24																							
SPRING 2023																							
TIME OF DAY AND NUMBER OF STUDENTS																							
DAY	AM											PM											
	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS		
MONDAY							10													1	1		
TUESDAY																				-	-		
WEDNESDAY							10													1	1		
THURSDAY																				-	-		
FRIDAY																				-	-		
SATURDAY																				-	-		
SUNDAY																				-	-		

UNIVERSITY UTILIZATION

7%

HEALTH PROFESSIONS

7%

Notes:

- Nursing 108: 2 overlapping/duplicate classes - Monday 3:30-4:30  
4 overlapping/duplicate classes - Friday 9-4pm
- Nursing 201: 2 (x2) overlapping/duplicate classes - Monday 3:30-4:30  
4 overlapping/duplicate classes - Friday 9-4pm
- Nursing 202: 2 (x2) overlapping/duplicate classes - WRF 8-4pm  
2 (x2) overlapping/duplicate classes - TW 8-4:30pm
- Nursing 204: 2 overlapping/duplicate classes - Monday
- Nursing 210: 2, 3 overlapping/duplicate classes - Monday  
2 overlapping/duplicate classes - Tuesday
- Nursing 214: 2 overlapping/duplicate classes - Monday

# EXISTING BUILDING ANALYSIS | OKELLY

## Health Professions Departments

	COUNSELING
	NUTRITION + DIETETICS
	SOCIAL WORK
	COMMUNICATION SCIENCE + DISORDERS
	KINESIOLOGY
	NURSING
	PSYCHOLOGY
	ALL OTHER UNIVERSITY USE
AVERAGE UTILIZATION	10%

OKELLY 61																								
SEATING CAPACITY: 30																								
SPRING 2023		TIME OF DAY AND NUMBER OF STUDENTS																						
	AM											PM												
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY					116	85		123	74											4	-			
TUESDAY			129		86	51		86												6	-			
WEDNESDAY					116	85		123	74											4	-			
THURSDAY			129		86	51		86												6	-			
FRIDAY									16	56										3	2			
SATURDAY																				-	-			
SUNDAY																				-	-			

UNIVERSITY UTILIZATION

77%

HEALTH PROFESSIONS

7%

OKELLY 119

SEATING CAPACITY: 25

SPRING 2023

TIME OF DAY AND NUMBER OF STUDENTS

	AM											PM												
DAY	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	U HOURS	AH HOURS			
MONDAY				12			20	30												3	-			
TUESDAY					10	12		16	12											6	2			
WEDNESDAY				12			20	30												3	-			
THURSDAY					10	12		16	12											6	2			
FRIDAY				12			20	30												3	-			
SATURDAY																				-	-			
SUNDAY																				-	-			

UNIVERSITY UTILIZATION70%

HEALTH PROFESSIONS13%

Notes:

OKelly 61 2 overlapping/duplicate classes - MW

# SPACE NEEDS ANALYSIS

		EXISTING - COLLEGE OF NURSING		PROPOSED FUTURE		
		QUANTITY	SUBTOTAL SF	COMMENTS	SIZE	COMMENTS
office + admin	DEPARTMENT OFFICES	2	875	Includes reception area, conference room, and single-use restroom	160	growth + 3 off + conf.
	SINGLE FACULTY OFFICES	42	4,796		120	15% staff growth assumed
	DUAL FACULTY OFFICES	7	919		240	hoteling space for temp. faculty
	CONFERENCE ROOM	2	425		300	12 person conf. room
	MAIL/LOUNGE	1	1,063		1,200	
general	STUDENT SERVICES	5	1,122	Includes reception area	120	growth + 7 off + recept.
	NORTHERN PLAINS STUDENT LOUNGE	1	1,262	not included in Existing Nursing NET SF - located in NP bldg		
	STUDENT LOUNGES	3	957	room IDs: 100, 211, 300	400	included below in student lounges
	R.A.I.N. PROGRAM	2	1,073	room IDs: 314, 324	1,200	do not need to be cohort sized; prefer multiple size options (large to small)
	SMALL GROUP SPACES	1	200	room IDs: 200	120	need to maintain center area surrounded by offices (sim. to exist'g)
classroom	LARGE CLASSROOM	4	5,244	room IDs: 102, 108, 201, 210	2,400	80 capacity, 30 SF/student; 4th space accessible thru exist'g SMHS & Auditorium
	MEDIUM CLASSROOM	2	1,489	room IDs: 202, 204	1,200	40 capacity, 30 SF/student
	SMALL CLASSROOM	2	974	room IDs: 214, 216	720	24 capacity, 30 SF/student
lab + research	SKILLS LABS	2	2,095	room IDs: 105A, 107	1,200	16 capacity, 75 SF/student
	TESTING LABS	2	984	room IDs: 110, 114	800	16 capacity, 50 SF/student
	LAB STORAGE	5	1,127	room IDs: 11A, 104, 106, 107A, 107C		allow for growth
	ADMINISTRATION	1	452	room ID: 105		allow for growth
simulation	ANASTHESIA/SIM.	2	783	room IDs: 103H, 103J	800	1600
	PATIENT SIM.	2	533	room IDs: 103B, 103E	300	1,200
	DEBRIEF ROOMS	2	319	room IDs: 103A, 103D	200	600
	CONTROL ROOMS	1	175	room ID: 103G	200	600
	STORAGE/PREP	1	351	room ID: 103F		500
	ADMINISTRATION	1	355	room ID: 103		500
SUBTOTAL NET SF (NURSING)			27,593			
EXISTING BUILDING GROSS SF			45,500			
GROSSING FACTOR			39%			
N + D	N+D LAB	2	889	room IDs: 209A, NP 160R		exist + growth
	N+D CLASSROOM	1	456	room ID: 209		exist + growth
	N+D FACULTY OFFICES	7	1,137	Includes storage room		bumped up from 1,200 due to exist. storage not accounted for in room lists
SUBTOTAL NET SF (NUTRITION & DIETETICS)			2,482			
EXISTING BUILDING GROSS SF			3,475			
GROSSING FACTOR			40%			

Center For Biomedical Research Space Program CBR-1\*

\*\*this analysis includes multiple program types that utilize the same building for similar purposes

SPACE NEEDS ANALYSIS

	EXISTING - COLUMBIA HALL			EXISTING - BIOMED RESEARCH FACILITY			EXISTING - STARCHER			EXISTING - SHHS			PROPOSED FUTURE		
	QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SIZE	COMMENTS
admin + support	BREAK ROOM	1	83	1	321										
	FACILITY OFFICE	1	361												
	DOPT OFFICE SUITE ENTRY			1	135										
	DOPT OFFICE			1	218										
	STAFF OFFICE			1	221		1	95							
	CONFERENCE ROOM			2	19		1	48		1	176				
	STORAGE SERVER			1	34										
w/areum	ANIMAL ROOM			14	5149		7	1300							
	ANIMAL QUARTERS						1	144							
	AQUATIC LAB						5	1188							
	BEDDING STORAGE			1	577		1	194							
	CAGE WASHES & STORAGE			2	2074		1	195		2	315				
	DISPATCH			1	200		1	196		1	59				
	FEED STORAGE			1	148		1	39							
	FOOD FREEZER, KITCHEN			1	62		1	205		1	48				
	POST MORTEM									3	451				
	INSECTOR+ BACT/VIRAL														
	NET RECORDS			1	272										
	WASTE HOLDING									1	72				
labs + research	AUTOCLAVE									1	84				
	BEHAVIOR LABS									4	664				
	LAB/LAB ANIMAL STORAGE									2	468				
	PROCEDURE			1	357					2	205				
	RECOVERY														
	RESEARCH LAB	4	1,763				2	197							
	RESEARCH LAB SERVICE	1	39												
	RESEARCH LAB STORAGE ROOM			1	112										
	SURGERY			1	266		1	644							
	SURGERY STORAGE/PRIP			3	270										
SUBTOTAL NET SF					11,026			4,445			3,227				
EXISTING BUILDING GROSS SF															
GROSSING FACTOR															
TOTAL NET SF															
GROSSING FACTOR															
TOTAL GROSS SF (GRAND TOTAL)															1.4



SPACE NEEDS ANALYSIS

EXISTING - COLUMBIA HALL				PROPOSED FUTURE			
	QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SIZE	SUBTOTAL SF	COMMENTS
admin + support	10	2156	150 sf - 318 sf				
	1	219					
	1	288					
	1	161					
	1	28					
	2	91					
labs	2	219					
NPCC	1	51					
	1	259					
	1	109					
SUBTOTAL NET SF							
EXISTING BUILDING GROSS SF							
GROSSING FACTOR							
TOTAL NET SF							
GROSSING FACTOR							
TOTAL GROSS SF (GRAND TOTAL)							

# SPACE NEEDS ANALYSIS

	EXISTING - GILLETTE HALL			PROPOSED FUTURE		
	QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SIZE	SUBTOTAL SF
admin + support	4	766				
	17	2,479				
	3	340				
	1	163				
	2	243				
	1	99				
	8	802				
	2	1154				
	1	265				
	1	145				
	1	145				
SUBTOTAL NET SF			6,601			
EXISTING BUILDING GROSS SF						
GROSSING FACTOR						
TOTAL NET SF						
GROSSING FACTOR						
TOTAL GROSS SF (GRAND TOTAL)						

# SPACE NEEDS ANALYSIS

		EXISTING - COLUMBIA HALL			PROPOSED FUTURE		
		QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SIZE	SUBTOTAL SF
admin + support	DEPT SUITE ENTRY	1	239				
	FACULTY OFFICE	10	1,117				
	STAFF OFFICE	2	127				
	GRADUATE OFFICE	1	168				
	CONFERENCE ROOM	1	237				
	BREAK ROOM	1	137				
labs + research	PCR EQUIPMENT	1	151				
	RESEARCH LAB	6	4972				
	RESEARCH LAB SERVICE	3	187				
	RESEARCH LAB WALK-IN COOLER	1	75				
SUBTOTAL NET SF			7,410				
EXISTING BUILDING GROSS SF							
GROSSING FACTOR							
TOTAL NET SF							
GROSSING FACTOR							
TOTAL GROSS SF (GRAND TOTAL)							

## Indigenous Health Space Program

UND HEALTH PROFESSIONS STUDY | APPENDIX

# SPACE NEEDS ANALYSIS

	EXISTING - HYSLOP				PROPOSED FUTURE			
	QUANTITY	SUBTOTAL SF	COMMENTS		QUANTITY	SIZE	SUBTOTAL SF	COMMENTS
admin + support	1	226						
	1	1106						
	13	1,723						
	1	204						
	3	306						
	1	74						
	1	147						
	9	1094	27-364sf					
classroom	1	2310						
	3	2382	717-954sf					
	3	931	82-426sf					
	1	65						
	1	820						
	1	7626						
	1	4608						
SUBTOTAL NET SF								
EXISTING BUILDING GROSS SF								

# SPACE NEEDS ANALYSIS

		EXISTING - NORTHERN PLAINS CENTER FOR BEHAVIORAL RESEARCH				PROPOSED FUTURE			
		QUANTITY	SUBTOTAL SF	COMMENTS		QUANTITY	SIZE	SUBTOTAL SF	COMMENTS
admin + support	FACULTY OFFICE	5	602						
	STAFF OFFICE	1	106						
	STORAGE	1	43						
	PSYCH/NURSING SUITE	1	291						
classroom	RESEARCH LAB	1	74						
	FOOD LAB	1	815						
	FOOD CLASSROOM	1	867						
	SUBTOTAL NET SF		2,798						
EXISTING BUILDING GROSS SF									
GROSSING FACTOR									
TOTAL NET SF									
GROSSING FACTOR									
TOTAL GROSS SF (GRAND TOTAL)									

# SPACE NEEDS ANALYSIS

## Neuroscience Research Space Program | Biomedical Sciences\*

\*this analysis includes multiple program types that utilize the same building for similar purposes

		EXISTING - NEUROSCIENCE			PROPOSED FUTURE		
		QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SIZE	COMMENTS
admin + support	DEPT OFFICE SUITE ENTRY	2	218				
	FACULTY OFFICE	2	259				
	RESEARCH LAB OFFICE	8	1,098				
	BREAK ROOM	1	183				
	CONFERENCE ROOM	1	246				
	RESEARCH LAB/CUSTODIAL STORAGE	1	364				
labs + research		2	300				
	CULTURE WORKROOM	1	85				
	LOW LIGHT ROM	10	5906				
	RESEARCH LAB	4	1013				
	RESEARCH LAB SERVICE	1	191				
	WASH/ICE	1	88				
	SURGERY	1	150				
	SCINT						
SUBTOTAL NET SF			10,101				
EXISTING BUILDING GROSS SF			19478				
GROSSING FACTOR							
TOTAL NET SF							
GROSSING FACTOR							
TOTAL GROSS SF (GRAND TOTAL)							



Northern Plains Community Clinic Space Program\*

\*this analysis includes multiple program types that utilize the same building for similar purposes

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# SPACE NEEDS ANALYSIS

	EXISTING - COLUMBIA HALL			EXISTING - NORTHERN PLAINS CENTER FOR BEHAVIORAL RESEARCH			PROPOSED FUTURE		
	QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SIZE	SUBTOTAL SF
admin + support	DEPARTMENT OFFICES	5	1117	varying sizes (134sf - 497sf)					
	DEPT SUITE ENTRY	1	163		1	38			
	FACULTY OFFICES	20	3,951	varying sizes (137sf - 274sf)					
	GRADUATE OFFICES	5	1,270	varying sizes (139sf - 543sf)					
	CONFERENCE ROOM	3	806	varying sizes (145sf - 349sf)					
	CONFERENCE - MEDIUM (JURY ROOM)	1	264	Columbia - B320A					
	RECEPTION	13	720	varying sizes (11sf - 185sf)					
	STORAGE	2	236	varying sizes (31sf - 207sf)					
	BREAK ROOM	1	126		1	40		300	4500
	FILE ROOM	2	703		1	52			
	WAITING ROOM	1	126						
	WORK ROOM	2	703						
general	LOBBY/RECEPTION	1	259	Columbia - B322					
	DATA MANAGEMENT ROOM	1	470	Columbia - B325					
	STUDY ROOM	2	246						
	COMPUTER LAB	1	342	Columbia - 2923					
	PUBLIC LOUNGE				1	190			
	INTERACTION ALCOVE				1	56			
class	CONTROL ROOMS	5	757	varying sizes (104sf - 241sf)					
lab + research	RESEARCH ROOM (GENERAL)	20	2167	varying sizes (63sf - 217sf)					
clinic space	CLINIC WAITING ROOM				1	250			
	PSYCH SUITE				1	257			
	OBSERVATION ROOM				1	75			
	DISPENSING ALCOVE				1	127			
	RESEARCH LAB				3	386			
	SLEEPING/TESTING				2	361			
	GAMBLING/TESTING/GAME RESEARCH				2	282			
	EXAM ROOM				1	170			
	CHEMICAL PRACTICE/TESTING ROOM				4	562			
	RESEARCH LAB SERVICE				1	172			
	STORAGE				1	123			
	PATIENT RESTROOM				2	142			
SUBTOTAL NET SF									
EXISTING BUILDING GROSS SF					3435				
GROSSING FACTOR									
TOTAL NET SF									
GROSSING FACTOR									
TOTAL GROSS SF (GRAND TOTAL)									1.4

SPACE NEEDS ANALYSIS

SMHS Simulation Center Space Program

	EXISTING - SMHS			PROPOSED FUTURE		
	QUANTITY	SUBTOTAL SF	COMMENTS	QUANTITY	SIZE	SUBTOTAL SF
admin + support	1	663	DEPT SUITE ENTRY			
	6	640	STAFF OFFICE			
	1	105	WORK ROOM			
	2	996	DEPT STORAGE			
general	2	311	LOCKER ROOM			
	1	372	LOUNGE			
	1	212	SERVER ROOM			
	1	389	HELP DESK			
simulation	4	828	CONTROL ROOM			
	4	1224	DEBRIEF			
	12	1234	EXAM ROOM			
	5	1486	SIMULATION ROOM			
	2	307	SIMULATION TECHNICIAN			
	1	1227	SKILLS LAB			
	1	209	SP DEBRIEF			
	2	298	WORK/PREP			
	1	61	WORKSTATION			
SUBTOTAL NET SF		10,562				
EXISTING BUILDING GROSS SF						
GROSSING FACTOR						
TOTAL NET SF						
GROSSING FACTOR						
TOTAL GROSS SF (GRAND TOTAL)						

# BUDGET BREAKDOWN

## Overall Budget

UND CONSOLIDATED HEALTH PROFESSIONS CAMPUS	Total Amount All Projects	New Addition & Minor Remodeling of SMHS	Bookstore Repurposing for Allied Health	STAR Sim Cntr. Remodeled for Simulated Hospital	Northern Plains Cntr. Reconfig. for Psych. & Counseling	Demolition of Columbia Hall & Nursing Building	Campus Steam Extension to SMHS	MEP Decoupling of Research Annex from Columbia Hall
<b>Construction Costs</b>								
General	\$ 37,385,000	\$ 33,023,000	\$ 2,728,000	\$ 624,000	\$ 705,000	\$ -	\$ -	\$ 305,000
Mechanical	\$ 17,852,000	\$ 11,405,000	\$ 1,563,000	\$ 443,000	\$ 316,000	\$ -	\$ 2,400,000	\$ 1,725,000
Electrical	\$ 10,103,000	\$ 7,698,000	\$ 767,000	\$ 187,000	\$ 158,000	\$ 130,000	\$ 500,000	\$ 663,000
Site Work & Landscaping	\$ 8,194,000	\$ 1,306,000	\$ 91,000	\$ 118,000	\$ -	\$ 1,289,000	\$ 5,350,000	\$ 40,000
Demolition	\$ 4,609,000	\$ -	\$ -	\$ -	\$ -	\$ 4,609,000	\$ -	\$ -
IT	\$ 3,269,000	\$ 2,776,000	\$ 151,000	\$ 151,000	\$ 191,000	\$ -	\$ -	\$ -
Abatement	\$ 1,624,000	\$ -	\$ -	\$ -	\$ -	\$ 1,624,000	\$ -	\$ -
Other	\$ 152,000	\$ -	\$ -	\$ 152,000	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ 83,188,000	\$ 56,208,000	\$ 5,300,000	\$ 1,675,000	\$ 1,370,000	\$ 7,652,000	\$ 8,250,000	\$ 2,733,000
Contingency (15%)	\$ 12,479,000	\$ 8,431,000	\$ 795,000	\$ 251,000	\$ 206,000	\$ 1,148,000	\$ 1,238,000	\$ 410,000
Escalation for '26/'27 Construction	\$ 14,309,000	\$ 9,668,000	\$ 912,000	\$ 288,000	\$ 236,000	\$ 1,316,000	\$ 1,419,000	\$ 470,000
<b>Total Construction</b>	<b>\$ 95,667,000</b>	<b>\$ 64,639,000</b>	<b>\$ 6,095,000</b>	<b>\$ 1,926,000</b>	<b>\$ 1,576,000</b>	<b>\$ 8,800,000</b>	<b>\$ 9,488,000</b>	<b>\$ 3,143,000</b>
<b>Soft Costs</b>								
Design Fees	\$ 11,480,000	\$ 7,757,000	\$ 731,000	\$ 231,000	\$ 189,000	\$ 1,056,000	\$ 1,139,000	\$ 377,000
Owner Costs	\$ 6,899,000	\$ 4,688,000	\$ 458,000	\$ 157,000	\$ 119,000	\$ 606,000	\$ 654,000	\$ 217,000
Permits	\$ 290,000	\$ 194,000	\$ 19,000	\$ 6,000	\$ 5,000	\$ 27,000	\$ 29,000	\$ 10,000
Advertising	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Soft Costs</b>	<b>\$ 18,669,000</b>	<b>\$ 12,639,000</b>	<b>\$ 1,208,000</b>	<b>\$ 394,000</b>	<b>\$ 313,000</b>	<b>\$ 1,689,000</b>	<b>\$ 1,822,000</b>	<b>\$ 604,000</b>
<b>FF&amp;E - Property Costs</b>								
FF&E	\$ 3,771,925	\$ 2,818,750	\$ 458,750	\$ 330,000	\$ 164,425	\$ -	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Signage/Branding/Donor Recog.	\$ 1,100,000	\$ 900,000	\$ 150,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -
<b>Total FF&amp;E/Other</b>	<b>\$ 4,871,925</b>	<b>\$ 3,718,750</b>	<b>\$ 608,750</b>	<b>\$ 380,000</b>	<b>\$ 164,425</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>PROJECT TOTALS</b>	<b>\$ 119,207,925</b>	<b>\$ 80,996,750</b>	<b>\$ 7,911,750</b>	<b>\$ 2,700,000</b>	<b>\$ 2,053,425</b>	<b>\$ 10,489,000</b>	<b>\$ 11,310,000</b>	<b>\$ 3,747,000</b>

# BUDGET BREAKDOWN

## Budgeting Sheet

UND Health Professions New Construction and Space Renovation breakdown			
Location & Project Description	Area New Construction*	Area Renovation	
<b>New Addition to SMHS</b>	<b>95710</b>	-	
Anatomy Lab (relocated from Columbia Hal & from the 4th Floor of SMHS)	18466	-	
Microbiology Labs (relocated from Columbia Hall)	4060	-	
Dean's Office Med	2400	-	
Inmed	600	-	
Occupational and Physical Therapy	2300	-	
MLS	1300	-	
Nursing - Office/Admin	17696	-	
Nursing - General	10752	-	
Nursing - Classroom	15456	-	
Nursing - Labs	10920	-	
Nursing - Simulation	7000	-	
Nursing - Nutrition & Dietetics	4760	-	
<b>Renovation to SMHS</b>	<b>1000</b>	<b>10000</b>	
Renovate Anatomy into Biomedical Wet Research	-	8000	
Expand CBR2 into Loading Dock Area	1000	1000	
PT/OT Office Expansion, Relocate Work Room	-	1000	
<b>Bookstore Renovation</b>	<b>-</b>	<b>30127</b>	
Remodeling for Northern Prairie Clinic, CID Dept. and PA/PT/OT Research & Clinic Space	-	18350	
<b>STAR Center Renovation for Simulated Hospital</b>	<b>-</b>	<b>11777</b>	
Remodel for Simulated Hospital	-	5200	
<b>Northern Plains Reconfiguration</b>	<b>-</b>	<b>6577</b>	
Remodeling for Psychology, Counseling, Counseling Psychology Research	-	6577	