

Amarillo College 2011 Master Plan Update



presented to **AMARILLO COLLEGE**

Shiver Megert and Associates
Facility Programming and Consulting



Final
October 19, 2011



FACILITY
PROGRAMMING
AND CONSULTING

Master Plan Update 2011

Amarillo College

Master Plan

October 19, 2011

Introduction

Amarillo College (AC) has engaged Shiver Megert and Associates Architects with Facility Programming and Consulting to prepare an addendum to the 2007 Amarillo College Facilities Master Plan. This addendum serves as an update to the original master plan and will guide physical development across multiple AC campuses in the coming years. Over the past five years, numerous changes in the campus such as the addition of new buildings, renovation of existing ones as well as the evolving needs of the student body warranted the decision by college leadership to reexamine the facilities master plan. This reexamination will consist of a detailed review of the overall strategic vision, goals, and needs for space within the existing Amarillo College Master Plan.

The document will provide a guide to prioritize proposed projects across AC and will serve as a strategic roadmap to avoid costly mistakes, plan for the future, and to make wise investments with available funding.

1. *Sign-Offs and Acknowledgements* contains the required signatures for approval of the master plan.
2. The *Executive Summary* is a brief overview of the entire project including location, goals, preliminary cost, and schedule.
3. *Project Goals and Objectives* states the college's strategic plan, values and vision, as well as the goals and objectives for this project
4. *Master Plan Update Recommendations* lists completed, ongoing, and recommended projects, discusses themes of the master plan, and lists master planning issues for each campus
5. *Project Preliminary Programming* lays out project description and scope for recommended projects
6. *Classroom Utilization Update* contains an analysis of classroom and laboratory usage for each campus
7. *Preliminary Project Cost* outlines the preliminary project cost estimates for the projects suggested in this document



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Architectural Programming
Laboratory Planning
Healthcare Planning
Strategic Facilities Planning
Needs Assessment
Space Utilization Analysis

SAN ANTONIO | HOUSTON

*The contents of this document are not for regulatory approval, permitting, or construction.
Published October 2011.*

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Letter From the President

Message from the President

The Amarillo College Master Plan (August 2007), prepared after both internal and external committee study of campus needs, served as the facility blueprint to drive the November 2007 bond issue election.

Both new construction and renovation projects funded by the 2007 bond are transforming Amarillo College campuses and improving services to our students. Fortunately, we continue to enjoy a favorable construction climate with building projects coming in on time and under budget.

Since space utilization planning for the current bond projects were planned in 2006 and 2007, the AC Board of Regents in November 2010 approved a Master Plan study addendum to be prepared by Shiver Megert and Associates and Facility Programming and Consulting.

Programmers and architects interviewed AC faculty, staff, and administrators to ascertain campus needs and priorities which have arisen since the last Master Plan was issued. The goal was to ensure the College would get the “most bang from its buck” in future construction and renovation which will lead to wise choices with available funding.

The 2011 Master Plan Update which follows prioritizes future campus projects for years to come. We’re pleased to present the addendum which will serve AC well.

Paul Matney
President

Sign -Offs and Acknowledgements

Sign-Offs

Amarillo College Master Plan Update 2011.

Recommended for Approval

Bob Austin Vice President of Student Affairs Amarillo College	Date
Terry Berg Vice President of Business Affairs Amarillo College	Date
Lee M. Colaw Chief Information Officer Amarillo College	Date
Bruce Cotgreave Director of Facilities Amarillo College	Date
Russell Lowery-Hart Vice President of Academic Affairs Amarillo College	Date
Paul Matney President Amarillo College	Date
Danita McAnally Chief of Planning and Advancement Amarillo College	Date
Ellen Robertson Green Chief of Communication and Marketing Amarillo College	Date

Acknowledgements

The following people have contributed to the 2011 Master Plan Update.
Their participation is appreciated.

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Toni Gray, Directory of Criminal Justice Programs

Kathy Dowdy, Co-Executive Director, AC Foundation

Tracy Dougherty, Co-Executive Director, AC Foundation

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Judy Carter, Honors Program Coordinator

Theresa Rider, Associate Vice President of Finance, Business Office

Bill Crawford, Dean of Health Sciences

Shawn Fouts, Dean of Career and Technical Education

Amarillo College President's Cabinet

Paul Matney, President

Bob Austin, Vice President of Student Affairs

Terry Berg, Vice President of Business Affairs

Lee M. Colaw, Chief Information Officer

Russell Lowery-Hart, Vice President of Academic Affairs

Danita McAnally, Chief of Planning and Advancement

Ellen Robertson Green, Chief of Communication and Marketing

Consultant Team

Shiver Megert and Associates Architects

Facility Programming and Consulting

Overview

In 2007, Amarillo College (AC) completed a new campus master plan. This planning process became the catalyst for multiple recent building projects and renovations across the four primary AC campuses. Since then, the college has taken the opportunity to re-assess current facilities and campus space priorities due to the evolving and maturing needs of the college.



As AC's road map to the future, the Amarillo College Master Plan 2007 is a living document tied to developing academic, economic and student life demands.

Founded in 1929, AC is a public community college dedicated to enriching the lives of our students and community. Fall 2010 enrollment reached 11,675 academic students--an all-time high--in addition to approximately 26,000 continuing education students. AC offers more than 140 programs of study and many continuing education programs for licensure and professional certifications.

Project Description

The 2007 Master Plan was preceded by the Internal Capital Needs Committee (ICNC) report in December 2006, which identified facility needs and prioritized space requirements that were required to support the growth of Amarillo College. The ICNC report helped to shape the priorities of the master plan, including the growth of the Biology, Dental Hygiene, and Nursing programs, as well as the need for technology improvements and student sticky space across the college. Student sticky space is defined as flexible informal gathering spaces for students and faculty to “stick” for collaboration, study, or leisure. A detailed analysis comparing the perceived needs of the college versus the projected growth of the college was performed over several months in 2006. The resulting recommendation consisted of multiple improvement projects that totaled over \$93 million including the renovation and modernization of existing buildings, the construction of several new buildings, and a reorganization of several buildings across the four main campuses. The 2007 Amarillo College Master Plan led to a successful bond election in November 2007, which enabled the completion of many of the recommendations made in the plan, with several more in progress, including:

- A New Wet Lab Building on Washington Campus
- The Warren Hall renovation on Washington Campus
- A renovation of the Byrd Business Building and Parcels Hall, currently in progress on the Washington Campus)
- New nursing and dental building, Jones Hall (West Campus)
- A renovation of Building B on West Campus
- A renovation of the Allied Health Building renovation, currently in progress on West Campus

Executive Summary

The completion of these building projects and renovations has paved the way for growth which will secure its place as a progressive college of the future. The completion of these projects has caused a “domino effect” that has resulted in the relocation of multiple departments to new or updated spaces, freeing up space for alternate uses. Other projects that were recommended in the original master plan are still valid and have been carried over to this update with additional detail added as deemed necessary. While the original master plan improved many of the college’s space issues, there are still several areas that have not been addressed, as well as several new considerations such as the growing need for faculty and staff offices. Additionally, some of the projects proposed in 2007 no longer seem necessary and have been deleted or adjusted along with several new projects that have been added in response to the changing needs of the college. The evolving needs of Amarillo College have caused the institution to reassess its priorities, needs, and the overall strategic plan for facilities over the next five to ten years. The primary goal of the 2011 Master Plan Update is to guide the programmatic and physical development of Amarillo College as it matures and develops.

This document will serve as an addendum to the existing master plan. Much of the information contained in the original report is still valid and therefore, is not repeated here. Conversely, this document focuses on the changes that have taken place and highlights new considerations that have arisen over the past five years. The intent behind the update is to avoid mistakes as the college finishes out bond projects and implements several grant-funded projects across several campuses. This update will give AC a clear direction of which projects will be carried out and in what sequence, as well as identify what can be realistically completed over the next ten years. The master plan update process will ensure that physical development addresses the most critical needs of the college, is carried out in a manner which aligns with the educational mission of the college, and establishes a unified planning framework for AC.

Planning for the Future

The College has made remarkable progress implementing the projects identified in the 2007 Campus Master Plan. All of these projects have been completed in an efficient and cost effective fashion, and the results are visible across all of the AC campuses. Fall 2010 enrollment reflected a 5.2 percent increase from the Fall 2009, showing that the college is in a state of consistent growth. However, with growth and an ever-changing student population comes new challenges that increase the need for facilities that aptly support AC’s academic mission - to



Multiple projects have been completed across several campuses at AC, including Jones Hall on West Campus, contributing to the need to reassess college facility needs.

support and encourage the success of every AC student.

The college administration has recently updated the college's strategic plan, the *Amarillo College Strategic Plan Through 2015*, to sustain the positive momentum of the institution. This strategic plan identifies key performance indicators and establishes a matrix for success that has influenced many of the recommendations made in the 2011 Master Plan Update.

Project Process

The University engaged Facility Programming and Consulting and Shiver Megert Architects to oversee and develop the 2011 update to the master plan. This Master Plan Update was a collaboration of the Amarillo College President's Cabinet, the central coordinating committee for all college operations, and the consulting team, consisting of Shiver Megert and Facility Programming. The effort was divided into two major parts: a fact-finding phase to gather data to update college space utilization and space needs, and the development of physical design options and college priorities into a single cohesive master plan.

The project began with a kick-off meeting in April 2011 to review the goals and objectives for the project. This meeting also provided an opportunity to review all the new developments that have affected the college and to re-examine who and what is "in play". The priorities that emerged during this meeting included creating more student sticky space at the heart of the Washington Street campus, the re-organization of the Lynn Library to better meet the needs of the college, and accommodating space for grant-funded projects.

The next step involved fact-finding that included interviews in May 2011 with all major divisions and departments that were being considered in the master plan update. The physical design phase then began with a visioning session in June 2011, at which a number of alternatives were discussed, and finally a meeting to review and tweak the final plan in August 2011.

This report consists of two major components: an update to the facilities master plan and an update to the space utilization at each campus. Each has been reworked to reflect current conditions, including newly established programmatic priorities and recent construction on campus.

Preliminary Project Schedule

While a detailed project schedule cannot be developed at this time, several projects will be initiated as soon as possible: to finish out the bond process:

1. Finish out the ground floors of Byrd and Parcels
 - Business Office to move to the ground floor of Byrd
 - College Relations to move to the ground floor of Parcels
2. Partially renovate the Student Services Center (SSC)
 - Financial Aid to move to the vacated Business Office on the second floor of SSC
 - Call Center to move to the vacated Financial Aid space on the first floor of SSC
 - Division of Planning and Advancement to move from the first floor of the Library to the vacated Call Center and College Relations space on the Second floor of SSC
3. Minor renovations of the CUB to accommodate the Career Center.
 - Bookstore storage to be established in the vacated kitchen area on the first floor of the CUB
 - A new Emergency Operations Center will be established in the vacated Bookstore storage in the basement of the CUB
4. Library Renovation to create a more functional and student-oriented layout
 - The Vice President of Academic Affairs, the Center for Teaching and Learning, and Library administrative offices will move from the first of the Library to the upper floors of the Library
 - The mail room on the first floor will be relocated to Russell Hall
 - The first floor will be renovated to create a large, flexible student gathering and study area with a self service vending area.
 - Renovate and relocate existing personnel in the Library basement to upper Library floors, and relocate the Technology Information Center (TIC) from Russell Hall to the basement of the Library

These projects drive the “domino affect” that will allow other projects to begin.

Preliminary Project Cost

Amarillo College					
Summary of Proposed Projects					
Campus Projects	Sq. Ft. per Project	Cost per Sq. Ft.	New Construction	Renovations	Total Costs
Preliminary New Project List Order					
1.0 Byrd Business Ground Floor	@ 11,000 sq. ft.	\$130		\$1,430,000	\$1,430,000
1.0 Parcels Hall Ground Floor	@ 4,400 sq. ft.	\$130		\$572,000	\$572,000
1.5 Polk Street Parking Lot and Streetscape Improvements (Includes small motorcycle training course)			\$1,000,000		\$1,000,000
* 2.0 CUB Renovation				\$500,000	\$500,000
2.0 Library Renovation	@ 64,040 sq. ft.	\$105		\$6,724,200	\$6,724,200
* 2.5 Student Services Building (Financial Aid) Expansion	@ 3,000 sq. ft.	\$100		\$300,000	\$300,000
3.0 Math/Engineering	@ 29,000 sq. ft.	\$100		\$2,900,000	\$2,900,000
4.0 Building B Conference Center	@ 24,425 sq. ft.	\$160		\$3,908,000	\$3,908,000
4.0 New Maintenance Building and Record Storage	@ 8,000 sq. ft.	\$150	\$1,200,000		\$1,200,000
* 4.0 Additional West Campus North Parking			\$225,000		\$225,000
* 5.0 Building C Renovation	@ 8,900 sq. ft.	\$100		\$890,000	\$890,000
* 6.0 Building D Renovation - Convert to Storage Space	@ 4,500 sq. ft.	\$100		\$450,000	\$450,000
7.0 Gym/Dance Additional Expansion (Group Exercise Spaces)	@ 26,000 sq. ft.	\$150	\$3,900,000		\$3,900,000
* 8.0 Demolish Nixon Gym			\$150,000		\$150,000
9.0 New Multi-Purpose Building - East Campus	@ 20,000 sq. ft.	\$150		\$3,000,000	\$3,000,000
* Possible A&I Projects	Total f		\$6,475,000	\$20,674,200	\$27,149,200
Professional Costs					
Bond Sale Fee					
Architectural/Engineering and Programming Fees			\$404,688	\$1,292,138	\$1,696,825
Site Soil Testing					\$10,500
Site Boundary and Topographic Survey					\$9,500
State Handicap Review and Inspection					\$13,400
Printing of Plans/ Specs for Bidding					\$20,000
Materials Testing					\$36,000
	Total Fees				\$1,786,225
Furnishings and Technology					
Washington Street Campus					\$3,295,240
West Campus					\$1,289,600
East Campus					\$600,000
	Total Furnishings and Technology				\$5,184,840
Hazardous Materials					
Asbestos Surveys					\$175,000
Contingency					\$1,000,000
Total Budget					\$35,295,265

Project Goals and Objectives

3



*Strategies outlined
in the Strategic Plan
Through 2015 include
expanding student
success, ensuring student
access, collaboration with
community partners, and
ensuring the College's
future.*

Overview

This chapter presents the goals and expectations for the 2011 Master Plan Update and its alignment with the Amarillo College strategic plan.

Amarillo College Strategic Plan

Subsequently following the original master plan published in 2007, AC released their Strategic Plan Through 2015. This plan provides a road map of the short-term strategic planning objectives for the college. Amarillo College views its core purpose as providing an environment which encourages the success of every student; in order to do this, facilities that encourage learning to take place in and out of the classroom are required. The master plan update is the next step in a thorough planning process that allows the college to plan for the future while taking into account constant changes that affect the college, including economic factors, student population, and technology.

Goals of the Strategic Plan include expanding student success, ensuring student access, collaborating with partners in the community and ensuring the college's financial future.

Amarillo College Values and Vision

Values

At Amarillo College, we value:

- Student Success
- Quality Education
- Opportunity for All
- Collaboration
- Community Responsiveness
- Responsible Stewardship

Vision

At Amarillo College, we aspire for every student to have a success story.

Core Purpose

At Amarillo College, we help each student to succeed.

Mission

Amarillo College – enriching the lives of our students and our community.

Project Goals and Objectives

The following goals and objectives have been developed to guide the master plan update.

- The master plan addendum should provide direction on which projects will be done and in what sequence, how long it will take, and how much it will cost
- The plan provides the flexibility to adjust based on enrollment or other economic factors
- The plan will address the most critical needs of the college and will determine what will be done immediately (to close out the bond) and what is realistic to tackle over the next ten years
- Determine what is best holistically for AC rather than what is typically done in a more traditional or departmental approach
- The plan will consider the best use of the college's effort and funds
- Prioritize AC's needs:
 - Develop options and/or building blocks for each component of the master plan
 - Develop a schedule/phasing approach and the associated domino effect
 - Develop a preliminary budget related to each potential project
- The master plan update should consider the needs of AC students first and foremost, including:
 - Creating more and better student gathering and study spaces within the CUB and the Lynn Library
 - Re-purpose food service spaces to better serve the needs of the student, as well as the needs of the college
 - Improve student service spaces and access
 - Create places where students feel comfortable congregating both indoors and out



The AC Strategic Plan Through 2015 maps the immediate future of Amarillo College.

Overview

The 2011 Master Plan Update is an extension of the 2007 Master Plan. The campus master plan has been reworked to accommodate evolving college priorities and reflects multiple building and renovation projects across several campuses. The master plan update recommends modifications to existing campus facilities to better meet the needs of Amarillo College and responds to the changes that have occurred over the past five years at AC. The recommendations in this chapter were developed through the collaborative effort of the consulting team, which included Facility Programming and Consulting and Shiver Megert Architects, and the AC President's Cabinet.

This chapter is organized by the four principal Amarillo College campuses, which consist of the Washington Campus, West Campus, East Campus, and Polk Street Campus. Recommendations have been provided for each of the four campuses.



Due to the specialized needs and considerations of East Campus, recommendations for that location were organized by the academic leadership and faculty of that campus.

Themes of the Master Plan Update

The original master plan addressed many space issues identified in 2006 by the consultant team and AC leadership including a shortage of appropriately equipped classrooms, outdated lab space, and poor organization of academic departments and buildings that occurred over time as the campuses matured. The recommendations in the

Master Plan Update Recommendations

master plan improved space utilization across the four AC campuses and improved or modernized several buildings to better serve the academic mission of the college. The master plan update faces a new set of challenges and gives the opportunity to continue to improve on the original master plan. Throughout the planning process, several priorities became evident to guide the master planning process:

- Create more student sticky space throughout all campuses and improve the quality of individual and group study space
- Create a campus core at all campuses that encourages student gathering and meets the needs of today's student by providing the technology and amenities that students expect to have at their fingertips
- Accommodate staff office and administrative growth, and faculty offices
- Accommodate space for grant programs that provide funding for specific facility requirements, as well as flexible space to be used for future grants
- There is a need for at least one additional large classroom to accommodate 75 or more students
- Determine a plan for vacant or unused building space

Goals and strategies to meet these mandates are reflected throughout this plan.

Completed or Ongoing Projects

The 2007 Master Plan recommended multiple new buildings and renovations. Many of the projects have been completed or are in progress, including:

- Washington Campus:
 - New Wet Lab Building
 - Warren Hall Renovation
 - Byrd/Parcells Renovation
 - Parcells Hall breezeway enclosure
- West Campus
 - New Nursing and Dental Building (Jones Hall)
 - Building B partial renovation
 - Allied Health Building renovation

Recommended Projects

The following new, modified, or ongoing projects have been recommended for the 2011 Master Plan Update. Projects one through four will finish out the 2007 bond process; five through nine represent long-term projects that are recommended for the college.

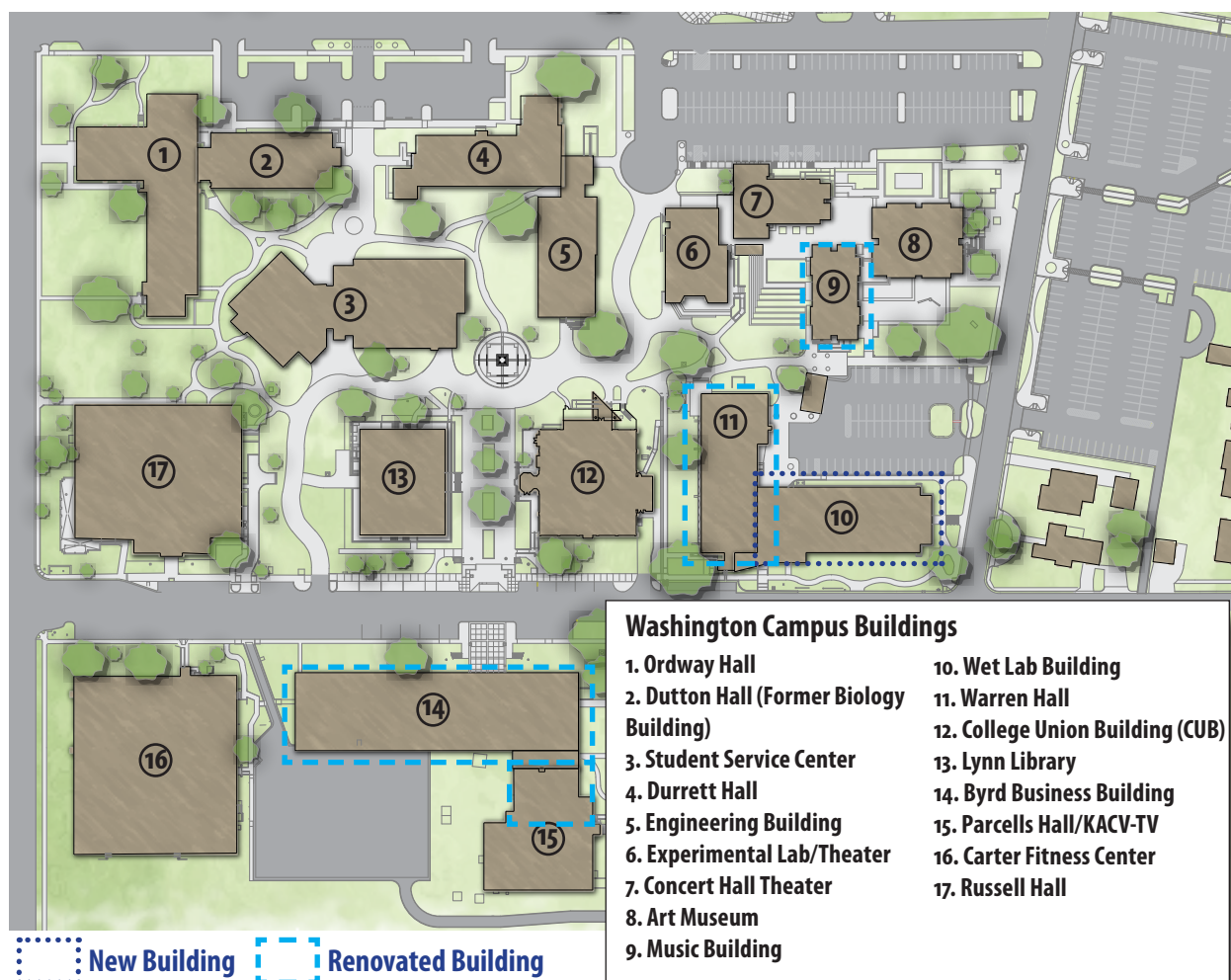
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 - Financial Aid to move to the vacated Business Office on the second floor of SSC
 - Call Center to move to the vacated Financial Aid space on the first floor of SSC
 - Division of Planning and Advancement to move from the first floor of the Library to the vacated Call Center and College Relations space on the Second floor of SSC
3. Partial renovation of the CUB to accommodate the Career Center
 - New Career Center to be established on the first floor of the CUB in the old dining room area
 - Bookstore storage to be established in the vacated kitchen area on the first floor of the CUB
 - A new Emergency Operations Center will be established in the vacated Bookstore storage in the basement of the CUB
4. Library Renovation to create a more functional and student-oriented layout
 - The Vice President of Academic Affairs, the Center for Teaching and Learning, and Library administrative offices will move from the first floor of the Library to the upper floors of the Library
 - The mail room on the first floor will be relocated to Russell Hall
 - The first floor will be renovated to create a large, flexible student gathering and study area with a self service vending area.
 - Renovate and relocate existing personnel in the Library basement to upper Library floors, and relocate the Technology Information Center (TIC) from Russell Hall to the basement of the Library
 -

Master Plan Update Recommendations

5. Group Exercise Spaces and Gym/Dance expansion/addition space (Demolish Nixon Gym)
 - Nixon Gym is deteriorating and will be demolished. Group exercise spaces from Nixon will be relocated to an expansion of the Gym/Dance Building
6. Math/Engineering expansion, Durrett Hall renovation, and Dutton Hall renovation
 - Behavioral Sciences will be moved from Durrett Hall to the vacant Dutton Hall. Wet labs will be gutted and turned into offices or classrooms for Behavioral Sciences.
 - After Durrett is vacated by Behavioral Sciences, the building will be available for Math and Engineering to expand offices, classrooms, a larger Math Center, and a hands-on engineering lab.
7. New conference center (renovation of B Building), New Maintenance Building and records storage, and a motorcycle training course/parking lot on West or East Campus
 - A conference center will be created in the vacant part of B Building
 - A new maintenance building will be constructed with additional space for college records storage
8. Renovation of C Building and Criminal Justice Department expansion
 - As Drafting and Interior Design departments are moved to their new spaces in the Byrd/Parcells Buildings (current renovation project underway), this space will become available for the Criminal Justice department to expand academic spaces.
9. Renovation of D Building
 - Similarly to the CUB, kitchen and server spaces that are no longer needed will be re-purposed for self-service vending and dining space, along with additional bookstore

Washington Campus

Amarillo College moved to this location in 1937 with the construction of the first building, Ordway Hall, at the corner of Washington Street and 22nd Street. Today's campus comprises nearly 31 acres with 17 buildings. The Washington Street Campus is AC's central campus and caters to many of the college's students. Recent projects and renovations on the Washington Campus include the construction of the new Wet Lab Building, renovation of Warren Hall, and the ongoing phased renovation of the Byrd Business Building and Parcels Hall.



Although many of the original master planning recommendations have been completed, there are several projects that have been carried over and expanded on or modified, and several new projects are being recommended. The concepts in this chapter have been influenced by several needs developed by the AC President's Cabinet.

Washington Street Master Planning Issues

The need for re-evaluation of the facilities master plan at the Washington Campus was driven by several factors developed by college leadership. The planning issues listed here reflect the changing developments, needs, and focuses on the Washington Campus.

- **Dutton Hall (Former Biology Building)** – Dutton Hall is currently being utilized as swing space (temporary staging space for functions dislocated due to construction on campus). A long-term plan is needed for the building once it is no longer needed for swing space. Additionally, the building is a former science wet lab building and is no longer needed for this purpose due to the construction of the new Wet Lab Building.
- **Byrd Business Building** - The previous master plan recommended that the ground floor breezeway of the Byrd Business Building be enclosed to allow for a better utilization of this space. This recommendation allows the college to gain much needed new space, and if the project is completed a plan is needed to determine how this new enclosure should be used if it is implemented. The Byrd and Parcells Buildings are currently undergoing a phased renovation that will improve teaching spaces and better organize the building for the programs located within.
- **Communication Infrastructure Upgrade** - Communication infrastructure upgrades are needed to data and voice network which will provide a faster network and a more up-to-date telephone system.
- **CUB** – Due to a recent internal evaluation, the college has decided to eliminate full service meals and dining, making the kitchen and server area obsolete. Additionally, the building provides many opportunities to improve utilization and “student friendliness”, making it a true student union building that better meets the needs of today’s student.
- **Engineering Building** – The Engineering and Math departments require additional space because the programs are growing and have an increased amount of tools and equipment. For example, a \$60K wind tunnel was dismantled in the building due to lack of space, and offerings at the AC Math Center are limited due to an inefficient layout that does not meet the needs of the program. Grant funding is available to expand the Math Center and provide a “hands-on” engineering learning lab somewhere within the building. A plan is needed to accommodate expansion of the math and engineering departments.

- **Durrett Hall** – Durrett Hall is situated between the Engineering Building and the old Biology Building (Dutton Hall). Because the Biology Building is soon to be vacant and available for a new function, there is a potential synergy between Durrett Hall, Dutton Hall, and the Engineering Building that would allow multiple Social Sciences spaces to shift from Durrett Hall to Dutton Hall, allowing Math and Engineering expansion into Durrett Hall.
- **AC Honor's Program and Presidential Scholars** - The recognition and increased support of AC honor's students has become an institutional priority. The college aims to provide dedicated spaces and improve amenities offered to increase the students served by these programs, increase visibility, and provide the proper facilities to support their activities.
- **Lynn Library** – The Lynn Library is considered the center of student activity and the heart of the Washington Campus, but the current layout of the building is confusing, unwelcoming, and hasn't been working well for the college. Due to historic development and growth of the library, the arrangement or stacking of the library has become disjointed, spaces are poorly utilized, and the building lacks spaces such as group study space, appropriate technology and power throughout, and gathering space.
A strategy is needed to improve and modernize the library to make it the true epicenter of the campus that provides the appropriate student spaces. In addition, the library will be home to the Center for Academic and Faculty Education with spaces that will be partially funded by grant resources.
- **Parcells Hall** – In the original master plan, the enclosure of the ground floor breezeway of Parcells Hall was proposed in conjunction with an enclosure of the Byrd Business Building ground floor breezeway. A plan is needed for this space if the project is completed. The Byrd and Parcells Buildings are currently undergoing a phased renovation of the upper floors.
- **Russell Hall** - Russell Hall is home to the Technology Information Center (TIC), an IT help desk center that provides technology services to AC students and faculty. The space for TIC is inadequate due to the poor layout, flooding and HVAC problems, and noise issues. A plan is needed to improve access, visibility, and functionality of this space.
- **Financial Aid** - Due to the increasing student populations, the need for financial aid and advising has grown. The need for an expanded Financial Aid space is required to support the extensive number of students and families requiring financial aid support services. The Financial Aid department is currently located on the first floor of the Student Service Center where many departments are already overcrowded.

Master Plan Update Recommendations

These requirements will guide the master plan recommendations and will serve as a basis for the decision-making process.

Washington Campus Priorities

The following illustration summarizes the needs and priorities on the Washington Campus.



The proposed projects are detailed on the following pages.

Master Plan Recommendations for the Washington Campus

I. Byrd and Parcels Ground Floor Breezeway Enclosure

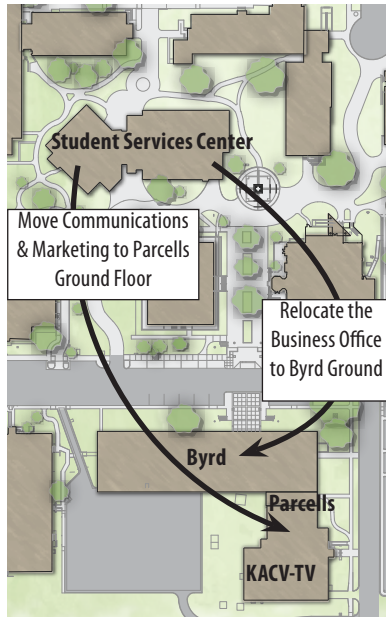
The Byrd and Parcels ground floor breezeways provide an opportunity to better use the unused breezeway and gain new centrally located interior space without a major construction project. To allow several other recommended projects to be completed on the Washington Campus, several administrative departments with synergies should be moved to the new enclosed space. The enclosure is a good place to provide much needed office spaces on the campus, freeing up space in the library and CUB for student sticky space. The new ground floor shell space should be finished out to accommodate the following functions:

- **Parcels Ground Floor (currently under construction)** - Relocate the Division of Communications and Marketing from the second floor of the SSC building to the Parcels Hall ground floor. The Division of Communications and Marketing has a synergy and adjacency with KACV-TV/Radio.
- **Byrd Ground Floor** – Enclose and relocate the Business Office from the SSC.

This new campus administration space on the ground floor of the Byrd/Parcels building provides convenient parking and a visible public entrance on an accessible road. This project is considered the first in sequence and will lay the groundwork for other renovations on campus because it relocates administrative offices from the SSC to expand other campus administrative units.

II. Student Services Center Renovation

This project was first identified in the original master plan, but the master plan update slightly modifies the concept. The Student Services Center (SSC) is AC's "one stop" for student services including Financial Aid, Business Administration and Cashier, Human Resources, Advising, Testing, and the Registrar. Due to overcrowding in the building, the Financial Aid (FA) department located on the first floor lacks adequate office space, reception area, and support spaces such as self-service computer kiosks and meeting space to conduct FA advising. By moving the Business Offices and Communication and Marketing offices to the Byrd/Parcels ground floor enclosures, space is made available within the SSC to expand FA. Expanding FA is a priority due to the greater number of AC's students utilizing this service.



Moving administrative units out of core campus buildings will open this space up for student focused functions.

Master Plan Update Recommendations

- The Division of Communications and Marketing will be moved from the second floor of the SSC to the Parcels ground floor enclosure. In addition, the Business Offices will be moved from the second floor of the SSC to the Byrd ground floor. This relocation opens this space on the second floor for Financial Aid to move and expand.
- Financial Aid will move from their space on the SSC first floor into the offices vacated by the Business Office.
- The Call Center will move from the second floor to the vacated Financial Aid space on the first floor of the SSC.
- The Division of Planning and Advancement will be moved from the first floor of the Library to the vacated Call Center and College Relations space on the Second floor of the SSC.



III. CUB Renovation

Due to its advantageous location, the CUB supports the opportunity to create a synergy with the library to create the campus core. Traditionally, the college student union is the center of student leisure and provides space for socializing. The CUB will be partially renovated to better support student activities and social life by providing new amenities that are more in line with the needs of the student. In addition, the college has decided to shift food service to a self-service, “grab and go”, or vending option, making the kitchen and serving

spaces unnecessary and available to be re-purposed.

- **Basement** - The CUB basement is currently used as student activities space, with a student lounge/game room, offices, and several large meeting spaces. The campus bookstore storage room is also located in the basement, but the bookstore is located one level above on the first floor. This location is inconvenient because of the need to transport deliveries from the upper level to the lower level through the freight elevator. Recommendations for the basement include the following:
 - Although student activities spaces in the basement are generally large enough and well utilized, new furniture and modern finishes will make the space more inviting.
 - Bookstore storage in the basement will be relocated to the first floor kitchen area to be closer to the bookstore.
 - The current bookstore storage will be re-purposed for a college Emergency Operations Center (EOC). This space will be used for emergency and disaster response in a strategic and central location.
- **First Floor** - The first floor is currently used by the campus bookstore and as a food service and dining area. Because AC will transition from a full service kitchen and dining area to a self-service space, the kitchen and servery will no longer be required.
 - Kitchen space on the CUB's first floor is obsolete. Because the bookstore storage is inconveniently located in the basement, receiving and transport of shipments is difficult. The bookstore storage space will be moved to the kitchen on the first floor and slightly expanded to better accommodate the bookstore's needs.
 - The dining area will be used to create the Amarillo College Career Center
- **Second Floor** - The second floor is home to the President's office and the AC Foundation, along with several of the college's large meeting spaces and the boardroom. The long-term vision is for the second floor to be updated with new modern finishes and furniture which will revitalize the space and encourage student gathering.

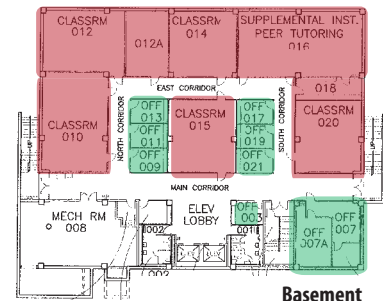
IV. Lynn Library Renovation

The current library building is dated and does not adequately support the needs of AC's students. In addition, many of the departments located within the library are disjointed or spread between floors, and there is little student gathering space within the library due to overcrowding. It is a goal of the college to improve and revitalize the library to support students and faculty while supporting the ever changing teaching pedagogues that AC offers. The building has great

Master Plan Update Recommendations

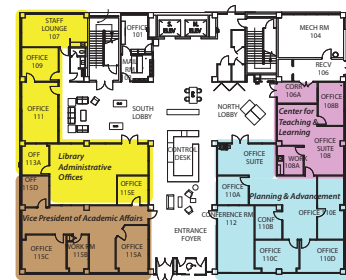
potential and the master plan update is an opportunity to push the original recommendation to modernize the library and improve the layout to support the needs of services provided there. If administrative offices on the library's first floor are relocated to either the SSC or in a different location on the upper floors of the library, space is freed on the ground floor to create a dynamic and flexible open gathering space that provides the types of spaces expected by today's student, with open seating, group study rooms, a laptop bar, and vending/coffee areas. In addition, the building's upper floors will be zoned according to function, with student activity focused on the lower two floors and the Center for Teaching and Learning and Student Success spaces on the upper two floors.

- **Basement** – The basement will be renovated to accommodate a new “IT center” which will include the Technology Information Center (TIC) which will move from Russell Hall. This provides a central, visible, and accessible location for IT that is more accessible to students and faculty. These units would benefit from the adjacency and direct connection with the library, student activity, and the CTL. The TIC will be relocated from Russell Hall, making their space in Russell Hall available to create a new campus mail room, which will be moved from the first floor of the library.
- **First Floor** – Currently the library's first floor is primarily used for offices (including Library offices, CTL offices, the VP of Academic Affairs and Planning and Advancement), making the space useless to the students it serves. This recommendation proposes that the Vice President of Academic Affairs be moved to the fourth floor, and the Planning and Advancement division will be moved to the SSC (previously discussed in the SSC section). The first floor will then be renovated to provide a vibrant and active student commons that is welcoming and offers a variety of gathering and study spaces. The first floor will be considered a “loud zone”, to encourage student gathering, with soft seating, tables and chairs for group activities, group study rooms, a laptop bar, and self-service food vending. This space will be vibrant and open, taking advantage of the windows along the exterior of the building, and opening up the space to the campus.
- **Second Floor** – The second floor will be an active student area with the book stacks, individual study space, open computer lab, and quiet study space. Some consolidation of paper books may be required to consolidate stacks on the second floor.
- **Third Floor** – The third floor will be comprised of many of the academic and faculty support spaces located in the library, including the Center for Teaching and Learning as well as ACcess, Student Success, the Learning Center, and tutoring. This space,



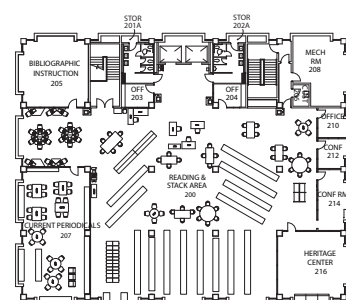
Basement

Classrooms will be decommissioned and offices moved to create a new home for TIC



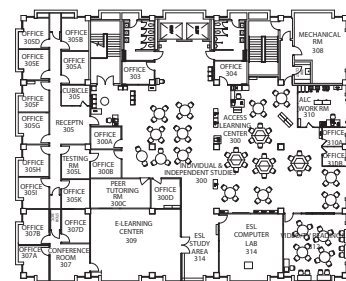
1st Floor

Offices will either be moved to upper floors in the Library or to the SSC to create and open and vibrant student gathering space with vending.



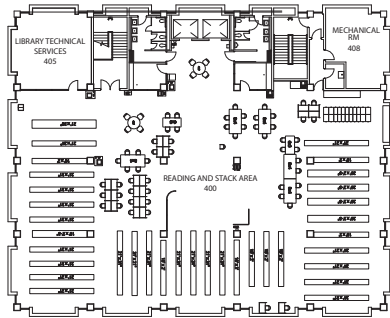
2nd Floor

The second floor will house library stacks and quiet study space

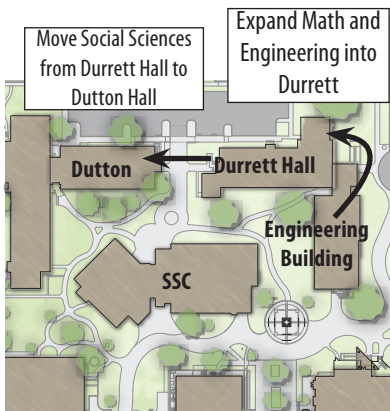


3rd Floor

The CTL and other tutoring and learning spaces will be housed on the third floor.



Stacks will be consolidated and moved from the library's fourth floor to the second floor to create room for administrative offices.



Vacant space in Dutton Hall will allow Behavioral Sciences to move into Dutton, therefore allowing Engineering and Math to expand into Durrett Hall.

called the Center for Academic and Faculty Learning, will also support faculty through technology and media support and will give students and faculty an accessible consolidated location for specialized spaces such as labs for video, graphics, and tutoring, and reading/language. The third floor also provides space for the Title V grant funded upgrades to the learning center.

- **Fourth Floor** – The fourth floor is reserved as office and administrative space for the departments that operate in the library, including the VP of Academic Affairs, Library administration, CTL, ACcess, Student Success, and ESL.

The modernization and reorganization of the library will make it a hub of student activity and academic life.

V. Move Social Sciences departments from Durrett Hall to Dutton (Old Biology Building) and expand Math and Engineering departments into Durrett Hall

The Math and Engineering departments currently have the highest classroom utilization on campus, and with the continued growth of the departments more space is needed. Engineering courses have been expanded in the last three years to provide three new courses and a grant is available to expand the Math Center and construct a hands-on Engineering learning lab. A larger Math Center would enable the department to expand services to testing for all levels of math, along with expanded tutoring capability. In addition, dedicated “hands on” engineering labs with room for tools and lab benches would allow students to work with the many tools and demo equipment that the department owns but cannot use due to lack of space.

To provide more space, Social Sciences departments located in Durrett Hall can be relocated to Dutton Hall (the building will be vacant when it is no longer used as swing space) to be closer to similar programs in Ordway Hall. Dutton Hall can be renovated to meet the needs of Social Sciences. This shift of spaces would allow Math and Engineering to move more teaching spaces and offices into Durrett, accommodating the desperately needed space that the department requires. In addition, new pilot programs and course redesigns have increased the need for “smart” classrooms throughout the buildings with technology and white boards across all walls. The department would also benefit from some “sticky space” for student gathering, events, and project displays. In addition, the SSS Stem grant will be moved to either the Engineering or Durrett buildings. The buildings will be examined closely to assess a plan which best accommodates the many needs of Math and Engineering. The campus police currently located in Durrett Hall would remain in its current location and configuration.

Master Plan Update Recommendations

VI. Other Projects

Several other projects will be required to complete the recommended projects on the Washington Campus.

- Outdoor improvements to central campus courtyard - When the CUB and Lynn Library renovations are completed, a new central campus core will be created that will be the center of student activity. The outdoor space will form a physical connection from the library's first floor to the first floor of the CUB. To compliment the indoor space, upgraded outdoor spaces are required to allow students to gather outside when the weather is nice, including tables, chairs, and benches and covered gazebo or patio space for casual gathering or events.
- Move the campus mail room to new space in Russell Hall (former TIC spaces)
- Campus records will be transferred from East Campus to a new space at West Campus.
- Create the campus "front door" at W. 24th Avenue. The front door will be the official welcome to the campus, with a digital sign that announces events.
- As suggested by the utilization data update contained in Chapter 6 of the Master Plan Update, there is still a need for large capacity classrooms (70-90 person range) on the Washington Campus. This could be accommodated by combining two smaller classrooms in a future project, or increasing utilization of existing spaces such as Ordway Hall.
- Update the Ordway Hall auditorium with new seating, lighting, and AV system. This will give the college the flexibility to use the auditorium for academic courses.

Washington Campus Summary

The proposed master planning project list is included below. Projects on the Washington Campus are bolded.

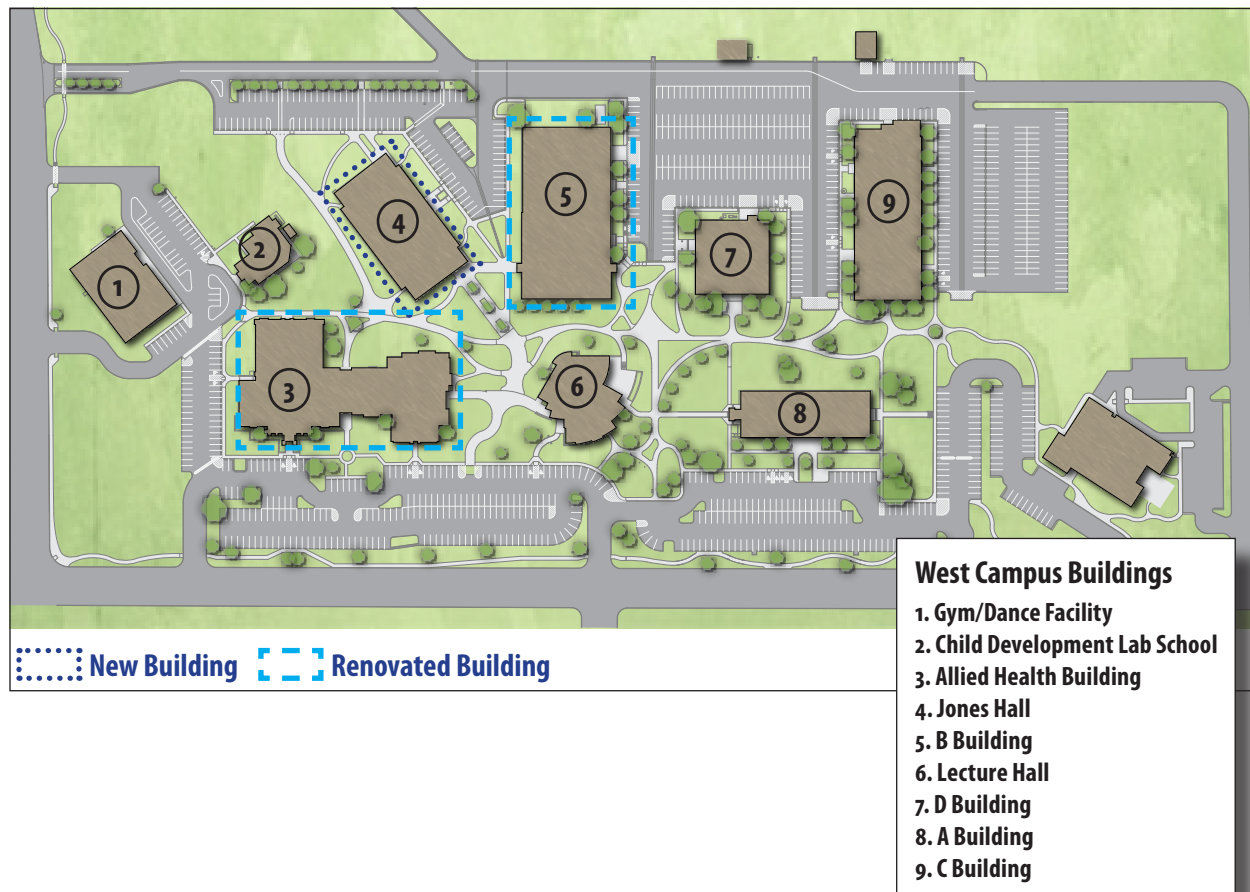
- 1. Finish out the ground floors of Byrd and Parcels**
- 2. Renovate the Student Services Center (SSC)**
- 3. Renovate the CUB to accommodate the Career Center and new self service food area**
- 4. Library Renovation to create a more functional and student-oriented layout**
5. Group Exercise Spaces and Gym/Dance expansion/addition space (Demolish Nixon Gym)

- 6. Math/Engineering expansion, Durrett Hall renovation, and Dutton Hall renovation**
- 7.** New conference center (renovation of B Building), New Maintenance Building and records storage, and a motorcycle training course/parking lot on West or East Campus
- 8.** Renovation of C Building and Criminal Justice Department expansion
- 9.** Renovation of D Building

West Campus

Amarillo College West Campus is a 42-acre site that was purchased in 1966 to become the School of Vocational Arts that opened with four buildings in September 1967. In 1974 the Allied Health building opened with six allied health programs. After a successful bond election in 1994, the West Campus expanded in 1996 to eight buildings and the addition of a Gym/Dance Building, Child Development Lab School and Lecture Hall that were completed in 1996.

The newest building, Steven Jones Hall, opened in the Fall of 2010. The three-story structure houses the associate degree nursing, dental assisting, dental hygiene, and licensed vocational nursing programs, allowing these programs to be relocated from other buildings on campus. The addition of Jones Hall opened up space within Building A and the Allied Health Building for new uses. The Allied Health Building is currently being renovated to expand space for programs within this building and renovate the vacant dental lab for new uses. Additionally, Building B was renovated to add several state-of-the-art classrooms and student gathering space.



West Campus Master Planning Issues

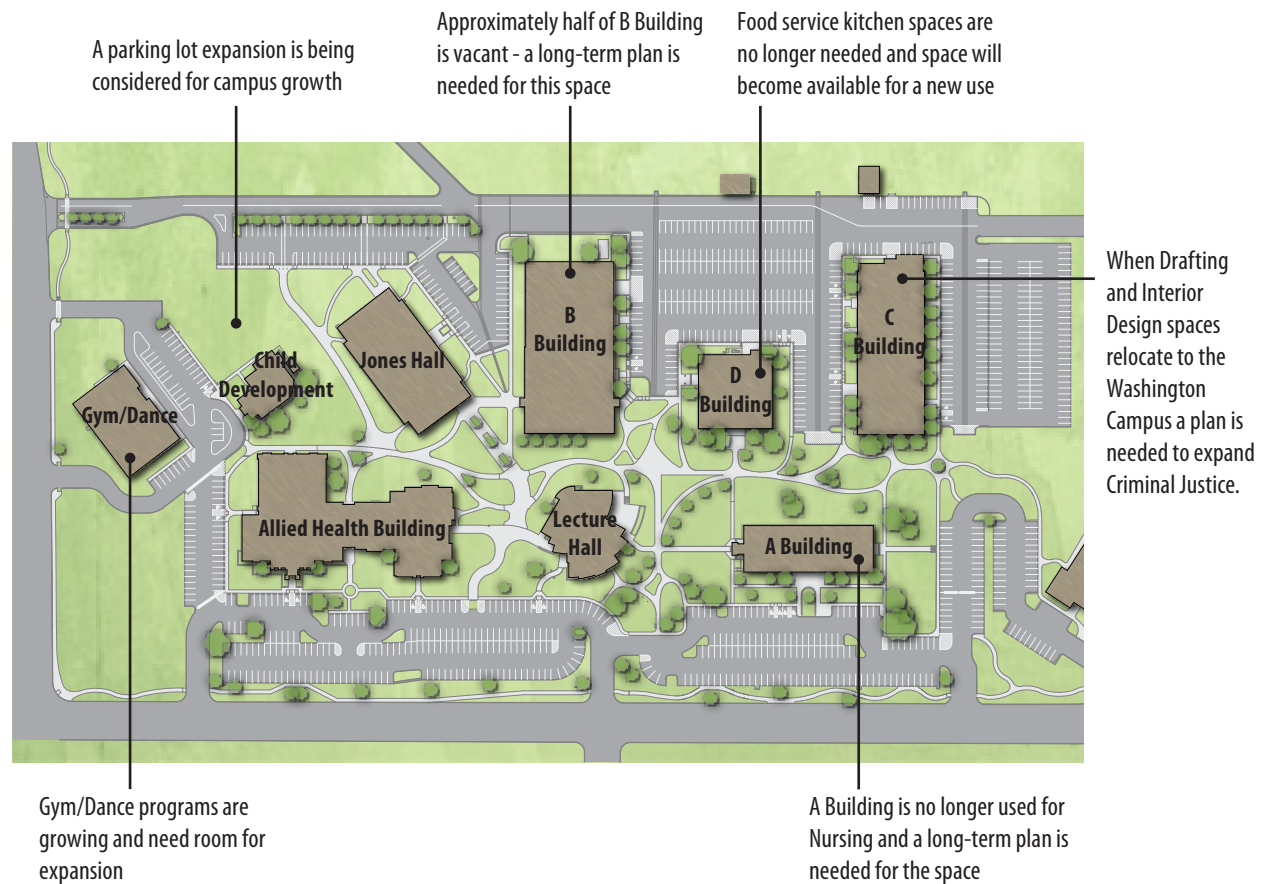
Several recent developments at the West Campus have influenced the master planning effort.

- **A Building** – A Building was formerly occupied by the Nursing department, which has since relocated to Jones Hall. This relocation has left the building available for use as swing space. The renovation of the second floor of A Building was included in the original master plan. A long-term plan for this space is needed.
- **B Building** – Half of B Building was recently renovated to provide several state-of-the-art classrooms and some student lounge space as part of the recent bond projects. The other half of the building was left vacant and is available for renovation. Several ideas have been presented for this space, including a conference center and life enrichment spaces. A plan is needed for the finish-out of this space.
- **C Building** – C Building will be partially vacated when the Drafting and Interior Design programs are relocated to the renovated Byrd and Parcels Buildings on the Washington Campus. These spaces will become available for the Criminal Justice department to expand programs and academic spaces.
- **D Building** – D Building is currently used for West Campus computer and testing labs, as well as student dining. Like the Washington Campus, food service will be shifted from full service to a self-service or “grab and go” option. The kitchen space will be re-purposed for new uses. Additionally, the Drafting CAD lab currently located within this building will be moved to Parcels Hall with the Drafting and Interior Design programs, and a plan is needed for this lab.
- **Gym/Dance** – The Gym/Dance facility is heavily utilized and in need of repairs, including new flooring. Expanded space would allow programs to grow and serve more of the community, including a boy’s gymnastics program similar to what is currently available to girls.
- **Lecture Hall** – The Lecture Hall building is used heavily by both the college and the community. Upgrades are needed to the AV system, HVAC, and to repair general wear within the facility.
- **Parking Lot** – Due to growth at the campus and the addition of the new building, additional parking is desired to the north of Jones Hall and around the Child Development Lab School.
- **Physical Plant** – West Campus currently lacks a dedicated maintenance and physical plant building to support the campus. As the campus continues to grow, a dedicated building, infrastructure, and staff will be required at the campus to support, operate, and maintain campus mechanical and electrical systems.

Master Plan Update Recommendations

West Campus Priorities

The following illustration summarizes the needs and priorities on the West Campus.



Master Plan Recommendations for West Campus

The following projects are recommended for West Campus.

I. New conference center (renovation of B Building), new maintenance building, and a new parking lot/motorcycle training course

The need for a large conference and event space has long been a “wish list” item for AC. The college does not currently have a space large enough for big events, and the community has space, but it is often costly to use. Building B, recently renovated to include several large classrooms, presents a perfect opportunity to provide a flexible conference and event space because half of the building is still unused and vacant. The design of this space should be suitable for a wide range of College and community functions including social events, awards ceremonies, performances, banquets, conferences, training, and orientations. This space will be flexible for a variety of uses and divisible to accommodate multiple capacities. The conference center will be an asset to the college, continuing education, and the community and can be used for revenue generation. Because there is so much space available within the building, Building B is a potential location for campus records storage, which would be relocated from East Campus.

In association with the conference center, a new parking lot will be needed to accommodate conference center overflow parking. The parking lot will be dual purpose, serving as an additional motorcycle training lot for the continuing education program, although conference center parking and motorcycle training could conflict on weekends. Consider East Campus for motorcycle training as another option.

The Maintenance Building is needed to operate and maintain West Campus as the campus continues to grow and add new and/or expand facilities. Dedicated staff on campus is needed, as well as a space to house maintenance staff, equipment, and physical plant equipment. The new maintenance building is also another possible location for college records if needed.

II. Renovation of C Building and Criminal Justice department expansion

Departments currently located in C Building include Criminal Justice, Mortuary Science, and Interior Design and Drafting. Interior Design and Drafting will soon be relocated to the renovated Parcels Hall (phased renovation is underway as part of the 2007 Master Plan). The relocation of these departments allows space to be opened up for the Criminal Justice department to expand. Needs for Criminal Justice

Master Plan Update Recommendations

that were identified by the department in 2007 include:

- Office suite re-configuration - The current departmental suite is poorly laid out. The space will be updated and expanded to better suit the needs of the department.
- Classrooms - The department heavily utilizes many of their classrooms and training facilities.
- Weapons vault (Currently located on East Campus and will be dislocated by projects on that campus)
- Student gathering and changing facilities
- Scenario and tactical training space - Dedicated space is needed for scenario and tactical training that is easily cleaned, durable, and free of obstructions.

III. Renovation of D Building

D Building is the main student services facility on campus with computer labs, dining services, and the West Campus bookstore. As the college moves toward self-service dining and vending for students, the kitchen in D Building will be obsolete. The kitchen space will be used to partially expand the bookstore's storage.

In addition, the computer CAD Lab currently located in D Building will be relocated to Parcels Hall. This space will be used to expand the Nursing Computer Testing Center.

Dining room will remain reserved as student gathering and lounge space, with minor upgrades to furniture and features such as TVs, group study rooms, and a laptop bar.

IV. Group Exercise Spaces and Gym/Dance expansion/addition

The 2007 Master Plan made several recommendations that are no longer valid. One of these is the concept of a Life Enrichment Center on the Polk Street Campus. This building was meant to replace spaces currently located in the Nixon Gym after it is demolished, and relocate several spaces in the Business and Industry Center to allow expansion of continuing education business programs. After reviewing the project as part of the 2011 Master Plan Update, the college has decided to put the Life Enrichment Center project on hold indefinitely. Because Nixon Gym must ultimately be demolished due to its age and physical condition, a plan is needed to replace the group exercise spaces in the Nixon Gym. These spaces are heavily utilized by the Continuing Education department for group exercise, children's karate, dog obedience, and archery.

While many options were explored for this space, the most logical solution is to replace the flexible, group exercise spaces on West

Campus, near the similar functions of the Gym/Dance facility. This secure location provides a convenient drop-off and pick-up area for parents and a direct connection with Gym/Dance, the Child Development Lab School, and the outdoors. The Gym/Dance facility is heavily used for Continuing Ed, offering many revenue-generating gymnastics and dance classes to local children. To better support the community and offer both girl's and boy's gymnastics programs, space for growth is needed. To accommodate both the need for group exercise spaces and expanded gymnastics spaces, an expansion of the Gym/Dance building is recommended. This expansion will meet the needs of both group exercise classes and gymnastics.

V. A Building

Building A is primarily vacant and is currently being used by several departments for offices. Several suggestions for A Building were presented, but a full-scale renovation is not recommended at this time. The building should be retained as flexible office and classroom space, and can be used as swing space for functions dislocated due to other projects. As part of the recommendations of the previous master plan and potential long-term uses for A Building, the second floor should be renovated for new uses, which include:

- The High School Equivalency Program (HEP) from Washington Campus (currently included in the Byrd Business Building)
- Flexible grants offices that can be used for future grant programs that require physical space.
- Health Care STEM grant spaces require offices near Allied Health programs and visibility.

West Campus Summary

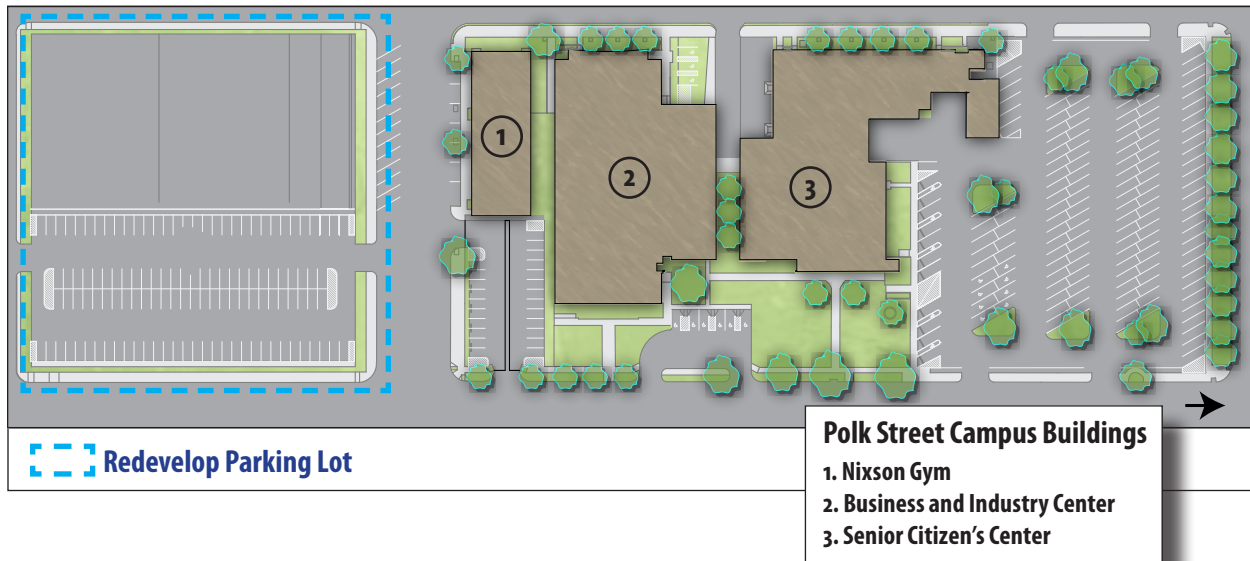
The proposed master planning project list is included below. Projects on the West Campus are in bold.

1. Finish out the ground floors of Byrd and Parcels
2. Renovate the Student Services Center (SSC)
3. Renovate the CUB to accommodate the Career Center and new self service food area
4. Library Renovation to create a more functional and student-oriented layout
5. **Group Exercise Spaces and Gym/Dance expansion/addition space (Demolish Nixon Gym)**
6. Math/Engineering expansion, Durrett Hall renovation, and Dutton Hall renovation

- 7. New conference center (renovation of B Building), New Maintenance Building and records storage, and a motorcycle training course/parking lot on West or East Campus**
- 8. Renovation of C Building and Criminal Justice Department expansion**
- 9. Renovation of D Building**

Polk Street Campus

The Polk Street Campus houses AC's department of Continuing Education, a center for professional and personal lifelong learning. Typically, no academic credit courses are scheduled on the Polk Street Campus. Minor upgrades have been made to the Business and Industry Center since the previous master plan.



Polk Street Campus Master Planning Issues

The planning committee identified several considerations affecting the Polk Campus.

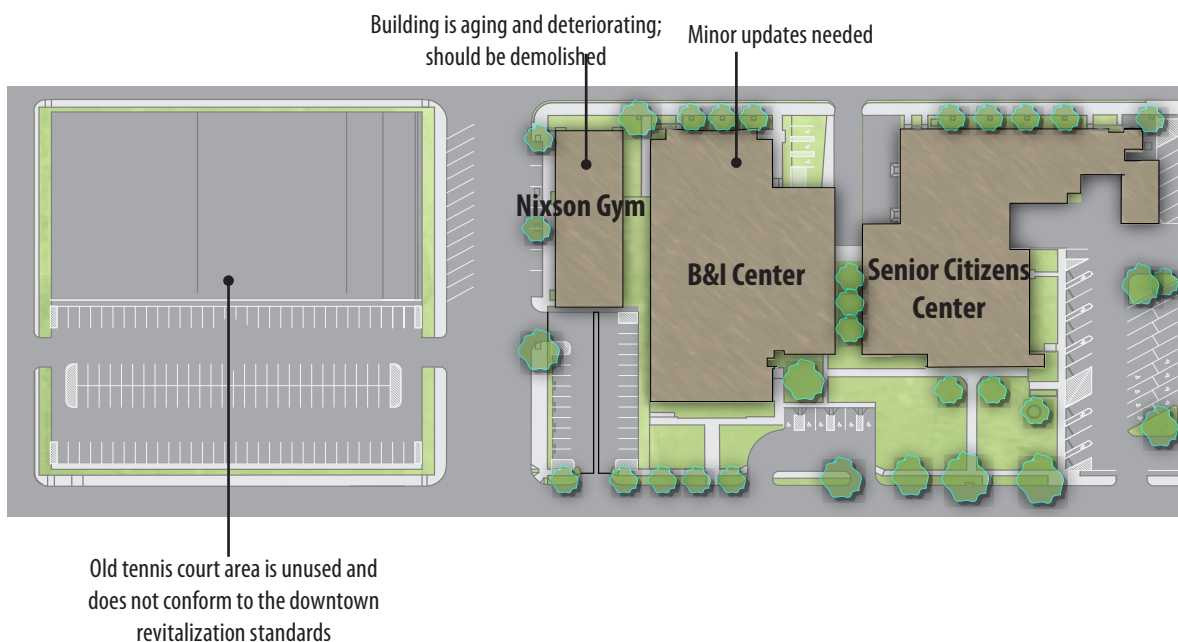
- Miscellaneous repair and renovations have recently been completed, but many more are needed. Various maintenance issues exist, including updates needed to the B&I Center. The lobby of the B&I Center was recently modernized, giving the building a more inviting atmosphere.
- **Life Enrichment Center (LEC)** - The concept for the Life Enrichment Center was first identified in the 2007 Master Plan. Because Nixon Gym is old and outdated, it will eventually need to be demolished due to age. The Life Enrichment Center was slated to be Nixon Gym's replacement facility. The concept for the project consisted of a new one story building and associated parking proposed to be located on the side of 14th Avenue to the south of the existing Nixon Gym in the current location of the tennis courts. The building contained flexible, shared spaces such as a multipurpose room for group exercise, administrative spaces, classrooms, and specialty spaces. The new building would have

Master Plan Update Recommendations

relocated Personal Enrichment spaces and programs from Nixon Gym and the Business and Industry Center, creating a more dedicated location for these activities.

Recent developments have caused College leadership to re-examine the concept for the LEC. For the time being, the project is on hold, but a long-term plan is still needed for the Nixon Gym and its spaces.

- Since the Life Enrichment Center will not be constructed on the Polk Street Campus, a long-term parking plan is needed for the south property. The property is not in compliance with Amarillo's recent downtown master planning initiative. The current thinking is that the college would make use of this available campus property currently used for overflow parking to accommodate additional campus parking that is in alignment with the downtown streetscape plans. This lot would create a walkable environment compatible with the downtown historic district and zoning that is integrated with existing building facades and landscaping.



Master Plan Recommendations for Polk Street Campus

Only minor upgrades are foreseen for the Polk Street Campus.

I. Polk Street Parking Lot

As part of the continuing bond projects, a new parking lot will be constructed for overflow parking in the current tennis court area. This parking lot should conform to the downtown master planning and streetscape improvements.

II. Demolish Nixon Gym

It is inevitable that Nixon Gym will eventually need to be demolished. The building is aging and is becoming a hazard to the college. A plan is needed for the spaces currently located in Nixon; it is the recommendation that these spaces be moved to the West Campus.

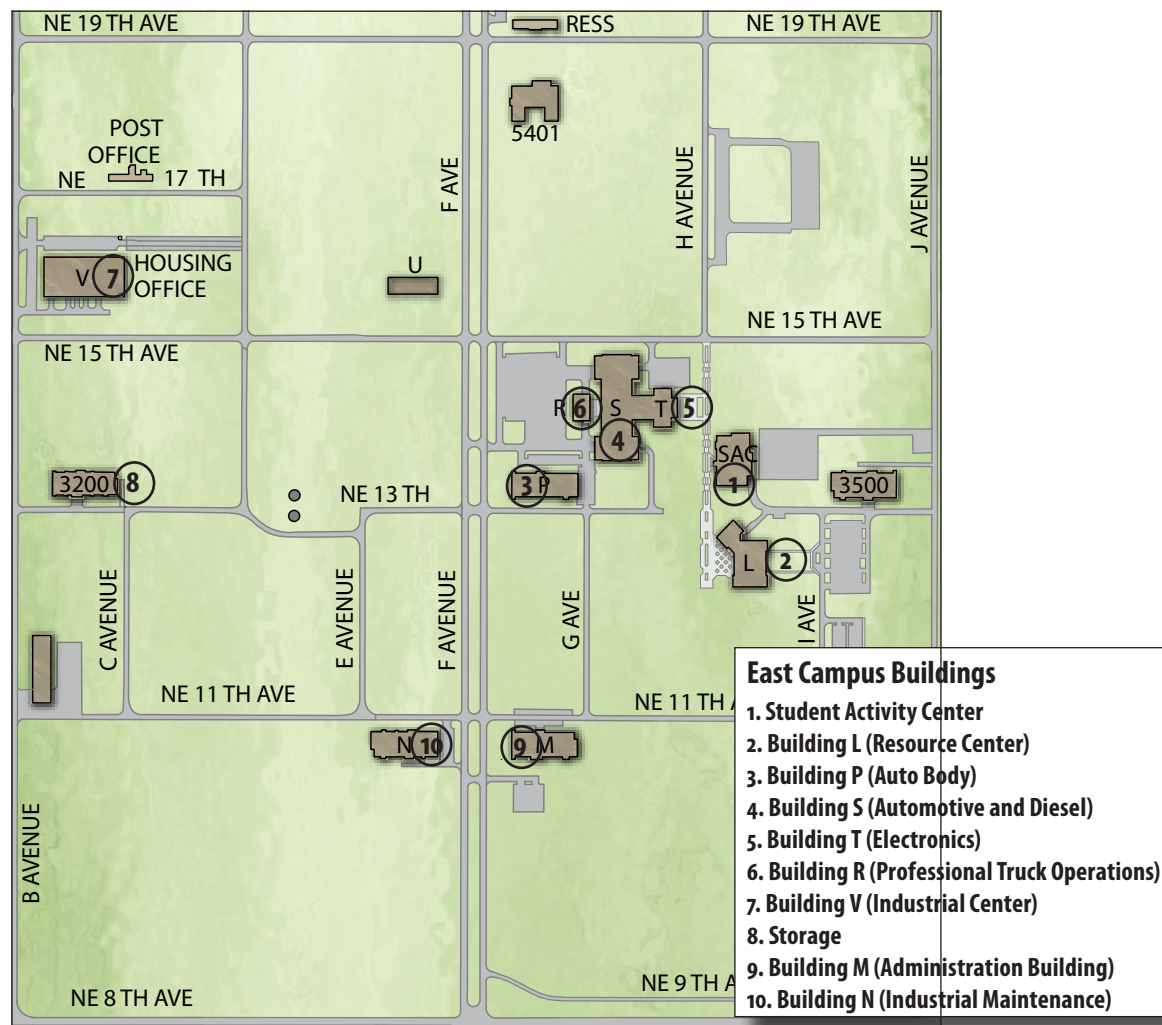
III. Minor Upgrades to the B&I Center

Minor repairs and upgrades will be continued as funding allows on the B&I Center.

East Campus

East Campus originally was part of the Texas State Technical Institute (TSTI) which opened in 1970 with 254 students. In May 1995, Amarillo Technical Center (ATC) was created when then Texas Governor George W. Bush signed the bill authorizing the transfer of the technical college to Amarillo College. The final name change came in November 2002 after two months of queries among the AC Executive Committee, ATC employees and students. It was unanimous to change the name to Amarillo College East Campus.

Technology classes offered at the East Campus include Auto Collision, Automotive, Aviation Maintenance, Diesel Mechanics, Electronics, Fire Protection, Industrial Maintenance, Instrument and Control, and Safety and Environmental. Other classes offered include academic support as well as Fire Protection (Basic Firefighter) and Welding.



Master Plan Recommendations for East Campus

Only minor upgrades are foreseen for the East Campus.

I. Student Activity Center

- Dean of CTE Office
- Assistance Center
- Carter Fitness Center Too
- AC Housing Office (Old student kiosk area)
- Gear Up Grant
- High Plains Food Bank (Cafeteria)
- Student lounge space

II. Building L (Proposed name change - Classroom Center)

- Paint and refurbish entire building
- Department chair office
- ITT Division core classes
- Learning Center
- Safety and Environmental (temporary)
- Fire (temporary)

III. Building T (Proposed name change - Center for Homeland Security)

- Paint and refurbish entire building
- Criminal Justice (TDCJ and other Criminal Justice courses)
- Fire
- Emergency Medical
- Cyber Security
- Safety and Environmental

IV. Building S (Proposed name change - Center for Transportation Technologies)

- Paint and refurbish entire building
- Auto and Diesel Technologies (refurbish north bay to accommodate both programs)
- Auto Collision (split and refurbish south bay to accommodate Auto Collision with Aviation)
- Aviation (split and refurbish to accommodate Aviation with Auto Collision)
- Classrooms to support all transportation-related programs; auto, diesel, aviation, aerospace)

V. Building R (Proposed name change - Truck Driving Academy)

- Truck Driving Academy
- Fence-in existing parking lot to create a covered motor park

VI. Building V (Proposed name change - Center for Manufacturing Education)

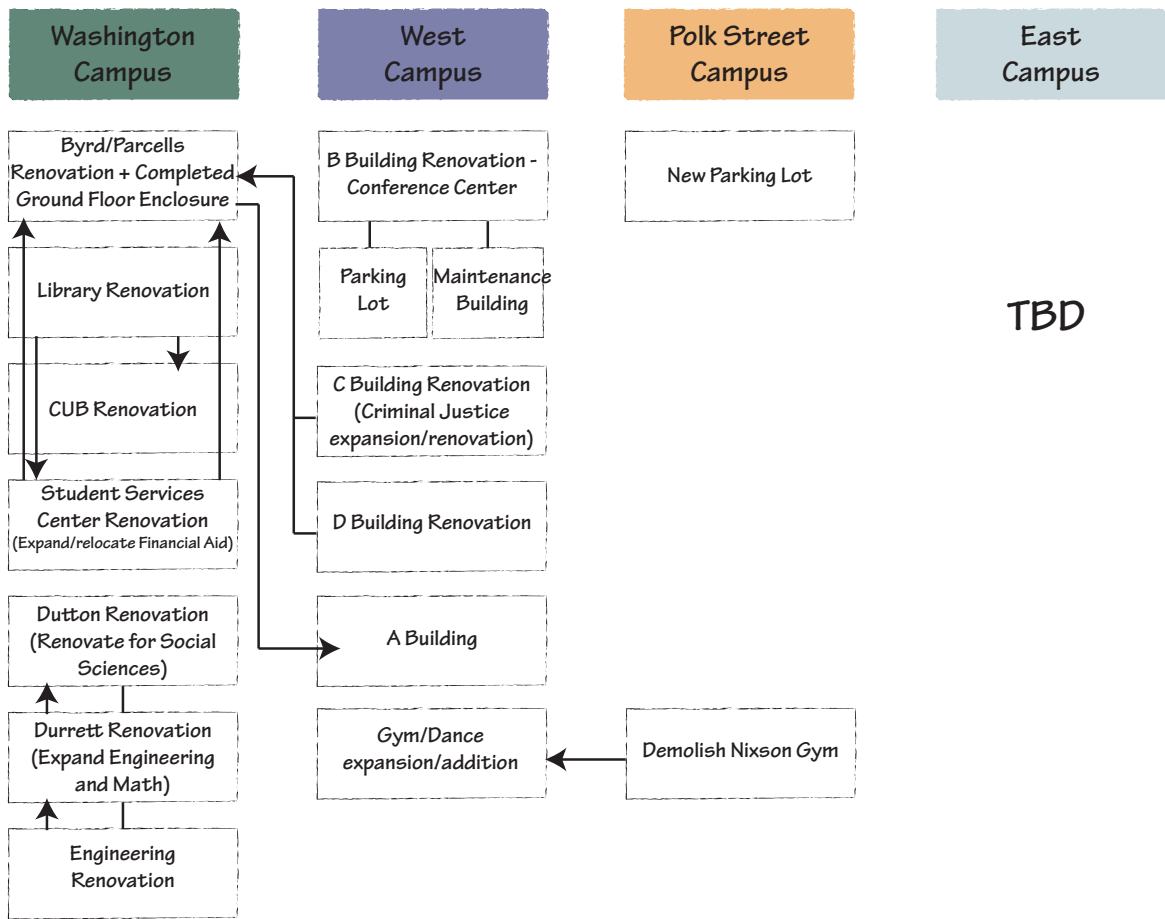
- Paint and refurbish entire building
- Need elevator to access second floor classrooms
- Welding (need to properly ventilate and plumb one existing bay)
- Machining
- Nondestructive Testing and Evaluation
- HVAC
- Electromechanical
- Utility Power Worker (program is under development)
- Renewable Energy
- Clear fenced area north of building; locate wind tower, solar panels, electric lineman training equipment
- Fence in south parking area to secure and hide equipment

VII. Proposed new building and parking lot

The new multipurpose building would be flexible or modular to be used for new or pilot programs, along with research and development and training. Ideally, this building would contain classrooms, offices, and restrooms with showers and lockers, and have a large bay with oversized doors. The new building on East Campus would be plumbed to accommodate many programs and its location should contribute to the pedestrian layout of the campus around Buildings S and L.

Project Flow Chart

The following chart illustrates all projects recommended as part of the master plan update and which projects relate to each other.



Project Preliminary Programming

5

Overview

This chapter deals with the space requirements and functional relationships of the specific projects recommended in the master plan update. The following projects have been included:

- Byrd/Parcells ground floor enclosure
- Student Services Center Renovation
- Library Renovation
- CUB Renovation
- Math/Engineering Expansion/Dutton Hall Renovation
- Conference Center (Building B Renovation), maintenance building, and motorcycle training course
- Criminal Justice (Building C Renovation)
- Gym/Dance Expansion and Group Exercise Facilities

A preliminary space list is included for each specific project. The space list was developed through detailed space planning questionnaires and interviews with each department considered. Though still in preliminary format, the space list gives an idea of what types of spaces and the approximate size for each project to determine size and scope of each function. These space lists were used to develop “building blocks” for use as the campus master plan is designed and laid out.

Definitions

Listed below are definitions of the frequently used terms in this chapter.

Assignable Square Feet (ASF) – The usable area or area within the inside face of the interior walls of each space.

Gross Square Feet (GSF) – The area within the outside face of the exterior walls of the building which includes assignable square feet, non-assignable square feet, building service area, circulation area, mechanical area, and structural area.

Non-Assignable Square Feet (NSF) – Areas such as mechanical space, telecommunication closets, janitor closets, etc., which are an inherent part of the building, but are not usable space for the owner’s program activities (includes building service, circulation, and mechanical areas).

Structural Area – The sum of all areas on all floors that cannot be occupied or put to use because of structural building features.

Assignable vs. Gross Square Feet

The tables and charts in this chapter depict area sizes in assignable square feet (ASF) and non-assignable square feet unless gross square feet (GSF) is specifically noted. Assignable square footage measures only the usable area of a given space. It does not include spaces such as lobbies, corridors (except for internal circulation within suites), walls and other public and support spaces such as mechanical rooms, restrooms, stairs, etc. These types of spaces are included in the non-assignable square footage. The sum of the assignable square footage and the non-assignable square footage is equal to the gross square footage of the building.

Internal Circulation

In addition to stairwells, elevators, lobbies, and mechanical rooms, the net/gross factor for the building will include space for major building corridors that provide access to the major spaces in the facility. It does not include the circulation space for suites or interior spaces that require additional hallways or paths of egress. An internal circulation factor is added to these areas to ensure they are sized correctly.

Byrd/Parcells Enclosure

Project Description and Scope

The Byrd Business Building and Parcells Hall provide the ideal opportunity to create new interior space without constructing a new building. The ground floor breezeways are not used at the present time and are essentially “wasted spaces” that could be put to better use. Enclosing the ground floor of both buildings was originally recommended in the 2007 master plan and the concept is being carried over to this master plan update. The enclosure build-out of Parcells Hall is already underway, and the college is planning to get Byrd underway in the near future. This is the first “puzzle piece” to many of the other projects recommended in the master plan update.

The recommendation for how to use this space includes moving the Business Office to the Byrd enclosure and the Division of Communication and Marketing to the Parcells enclosure. This move will allow space in the SSC to become available for new uses, including the expansion of Financial Aid. The location is easily accessible, visible, and is close to parking and a main campus street.

A proposed preliminary space list is included below.

Space Requirements

Byrd/Parcells Ground Enclosures

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area (ASF)
PARCELLS			
Division of Communication & Marketing			
Chief		1 @ 150sf	150
Graphic Arts Coordinator		1 @ 120sf	120
Public Relations Specialist		1 @ 200sf	200
Graphic Artist		1 @ 48sf	48
Web and Social Network Master		1 @ 100sf	100
Conference Room	35	1 @ 850sf	850
Reception + Receptionist		1 @ 200sf	200
Work Room/Layout Space		1 @ 250sf	250
Storage		1 @ 100sf	100
Copy Room		1 @ 200sf	200
Internal Circulation (25%)		1 @ 555sf	555
Total Division of Communication & Marketing			2,218
PARCELLS RENOVATION TOTAL			2,218
Total Available			4,400

Space Requirements (cont.)

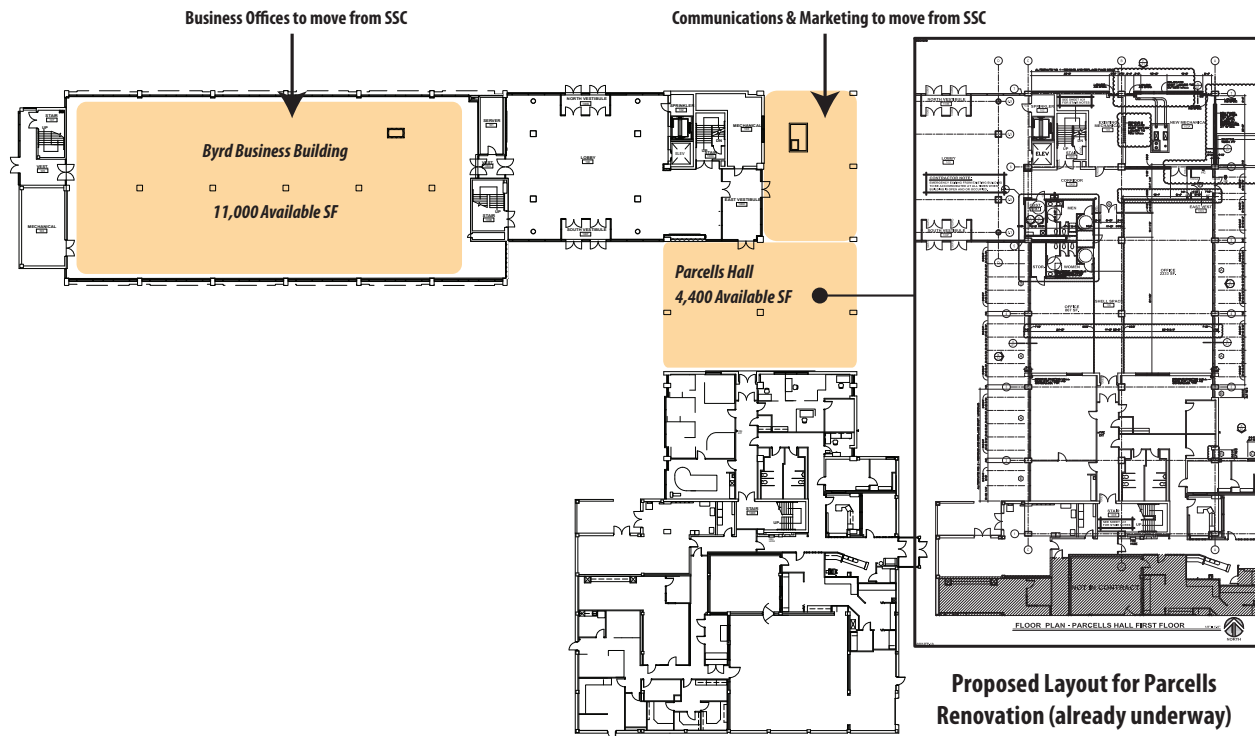
Byrd/Parcells Ground Enclosures

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area(ASF)
Business Office			
VP of Finance		1 @ 200sf	200
Executive Assistant		1 @ 120sf	120
Administrators		4 @ 120sf	480
Supervisors		4 @ 135sf	540
Auditors		1 @ 165sf	165
Support Staff		15 @ 120sf	1,800
Student Work Area		1 @ 120sf	120
Cashier Station		3 @ 90sf	270
Counter Area		1 @ 100sf	100
Receptionist + Reception	10	1 @ 400sf	400
Large Conference	25-30	1 @ 600sf	600
Work Room		1 @ 175sf	175
Printer/Copier		1 @ 120sf	120
Break Room		1 @ 225sf	225
File Room		1 @ 400sf	400
Storage		1 @ 120sf	120
Internal Circulation (25%)		1 @ 1,459sf	1,459
Total VP of Finance			7,294
BYRD RENOVATION TOTAL			7,294
Total Available			11,000

Byrd/Parcells Ground Floor Build Out Area

The following diagram shows the proposed project area for the Byrd/Parcells Renovation.



Student Services Building

Project Renovation and Scope

The Student Services Building (SSC) is considered AC's "one stop" for student services, such as the registrar, advising, and financial aid, but the building is overcrowded. One department especially hindered by the overcrowding is Financial Aid. Solving this problem has become a priority for the college. Due to the changing needs of AC's student body, Financial Aid is becoming increasingly busy and more room is needed for reception, staff offices, along with new spaces for financial advising to students and their families. With little available room on the first floor, a plan is needed to expand Financial Aid. The master plan update recommends a dislocation of several units within the building to create more space.

The following steps would take place to expand Financial Aid:

1. Move Communications and Marketing from the second floor of the SSC to the ground floor of Parcels Hall (new enclosure).
2. Move the Business office from the second floor of the SSC to the ground floor of the Byrd Business Building (new enclosure).
3. Move the Financial Aid from the first floor of the SSC to the former Business Office area
4. Move the Call Center from the second floor of the SSC to the old Financial Aid space on the first floor
5. Move Planning and Advancement from the Library's first floor to the second floor of the SSC to the former Call Center and Communications/Marketing space

This solution will allow Financial Aid to expand, the Call Center can be expanded slightly, and Planning and Advancement is moved from the first floor of the library so this space can be used as a hub for student gathering.

Space Requirements

Student Services Building

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area (ASF)
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FIRST FLOOR (Former FA Space)

Call Center			
Manager Office		1 @ 150sf	150
Offices		2 @ 120sf	240
Storage		1 @ 120sf	120
Reception		1 @ 200sf	200
Open Work Area		1 @ 800sf	800
Internal Circulation (25%)		1 @ 340sf	340
Total Call Center			1,850
			Total Available
			2,080

SECOND FLOOR

Financial Aid			
FA Director		1 @ 200sf	200
Staff		11 @ 120sf	1,320
Reception		1 @ 600sf	600
Computer Kiosk		10 @ 10sf	100
Receptionist		1 @ 80sf	80
Student Workers		3 @ 48sf	144
Volunteer		1 @ 64sf	64
File Storage		1 @ 200sf	200
Conference Room	20	1 @ 500sf	500
Small Conference Room	5	2 @ 150sf	300
Wok/Copy Room		1 @ 225sf	225
Kitchenette/Break Room		1 @ 225sf	225
Storage		1 @ 120sf	120
Internal Circulation (25%)		1 @ 970sf	970
Total Financial Aid			5,048
Total Available (former Business Office)			6,770

Planning & Advancement

Chief of Planning & Advancement		1 @ 250sf	250
Staff Offices		8 @ 120sf	960
Reception + Receptionist		1 @ 150sf	150
Touch Down Space	1	1 @ 80sf	80
Student Worker/Volunteer		2 @ 48sf	96
Small Conference Room (Shared)	6	1 @ 150sf	150
Work/Copy Area (Shared)		1 @ 300sf	300
Break/Kitchenette (Shared)		1 @ 125sf	125
Storage		1 @ 120sf	120
Internal Circulation (25%)		1 @ 558sf	558
Total Planning & Advancement			2,789
Total Available (Fomer Call Center/Mkting & Communications)			2,864
Total 2nd floor Renovation Area			7,836
Total Available Space			9,634

Preliminary Programming

SSC Renovation Area

The following diagram shows the space that will be available for renovation to expand Financial Aid and accommodate the Division of Planning and Advancement.



Lynn Library Renovation

Project Description and Scope

The Lynn Library renovation was originally recommended in the 2007 Master Plan and is reinforced in the 2011 update. The library should be transformed as AC's learning commons, which will include study and student gathering, books, computers, student services, and offices. More and more, libraries are shifting from stack and books to laptops and smart phones, with ubiquitous technology throughout, promoting learning beyond the classroom.

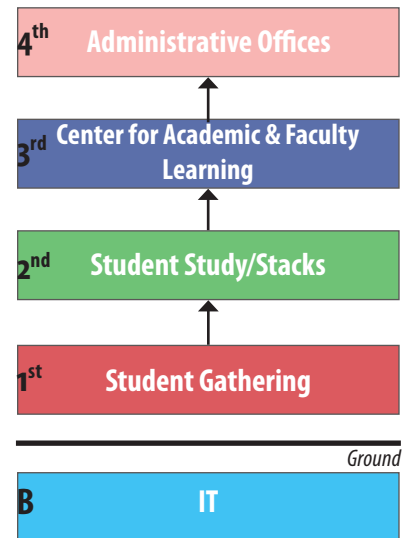
The renovation will consider the needs of today's student - first-time students, commuting students, working students, and on-line students. These "modern" students have a focus on collaboration, mobility with laptops and cellphones, and a social networking. In order to meet these needs and expectations, several concepts have been proposed as ideas for the library:

- Expanded learning center
- Zones of activity with both loud and quiet areas, student services, and offices
- A variety of seating; couches, tables and chairs, moveable furniture with lots of outlets
- Student lounge and gathering space
- Cafe or coffee bar
- Laptop bar
- Open computer lab
- Group project/study rooms and individual study space

The library provides the unique opportunity for outdoor connection and daylight/transparency and connection to the rest of the campus due to the many windows and its location at the heart of the campus.

It has been proposed that the TIC and Honor's Program be located in the basement to provide both visibility and an adjacency with the library, faculty and staff, and students, along with greater efficiency and security. This move would allow IT services to consolidate in one location under one roof, a move which many colleges are embracing to provide a "one stop" technology hub for students and faculty.

A preliminary space list is included on the following pages, showing the proposed composition of each floor in the library.



A renovation of the library will improve layout to better meet the needs of the college.

Preliminary Programming

Space Requirements

Lynn Library Renovation

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area (ASF)
BASEMENT			
TIC			
IT Techs	7	7 @ 120sf	840
AV Techs	5	5 @ 120sf	600
Workbench	8	8 @ 120sf	960
Storage		1 @ 1,080sf	1,080
Staging Area		1 @ 500sf	500
Reception		1 @ 200sf	200
Data Room		1 @ 85sf	85
Office (1 Head TIC, 1 Foreman)		2 @ 150sf	300
Internal Circulation (25%)		1 @ 1,141sf	1,141
Total IT Techs			5,706
Honors Program/Presidential Scholars			
Coordinator Office		1 @ 200sf	200
Staff		1 @ 120sf	120
Reception + Admin.		1 @ 200sf	200
Student Worker		1 @ 48sf	48
Storage		1 @ 100sf	100
Classroom	35	1 @ 850sf	850
Honors Lounge		1 @ 250sf	250
Total Honors Program/Presidential Scholars			1,768
Total Basement			7,474
Total Available			11,615
FIRST FLOOR			
Shared			
Student Commons		1 @ 4,500sf	4,500
Coffee Bar		1 @ 500sf	500
Study Rooms		6 @ 100sf	600
Mail Room		1 @ 300sf	300
Laptop Bar		1 @ 500sf	500
Computer Kiosk		10 @ 15sf	150
Seminar/Conference Room		1 @ 350sf	350
Lounge/Vending		1 @ 1,200sf	1,200
Copy Niche		1 @ 100sf	100
Total Student Commons			8,200
Total First Floor			8,200

Space Requirements (cont.)

Lynn Library Renovation

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area (ASF)
SECOND FLOOR			
Stacks/Quiet Study		1 @ 8,000sf	8,000
Study Rooms		5 @ 100sf	500
<i>Total Stacks/Quiet Study</i>			8,500
Total Second Floor			8,500
THIRD FLOOR			
Faculty Development Center			
Open Flexible Meeting Space	100	1 @ 1,500sf	1,500
Experimental Classroom	25	1 @ 850sf	850
Media Production Lab/Studio		1 @ 500sf	500
Consultation Room	4	1 @ 120sf	120
Help Center		1 @ 400sf	400
<i>Total Faculty Development Center</i>			3,370
Academic Success Learning Center			
Dean's Office		1 @ 200sf	200
Staff Offices		8 @ 120sf	960
Study Center		1 @ 1,000sf	1,000
Reception/Learning Center		1 @ 400sf	400
Access Lab		1 @ 1,400sf	1,400
Access Workroom		1 @ 200sf	200
<i>Total Reception/Learning Center</i>			4,160
Reading Developmental			
Reading Center		1 @ 300sf	300
Storage/Resource Room		1 @ 200sf	200
<i>Total Reading Developmental</i>			500
ESL			
Computer Lab		1 @ 600sf	600
<i>Total ESL</i>			600
Total Third Floor			8,630

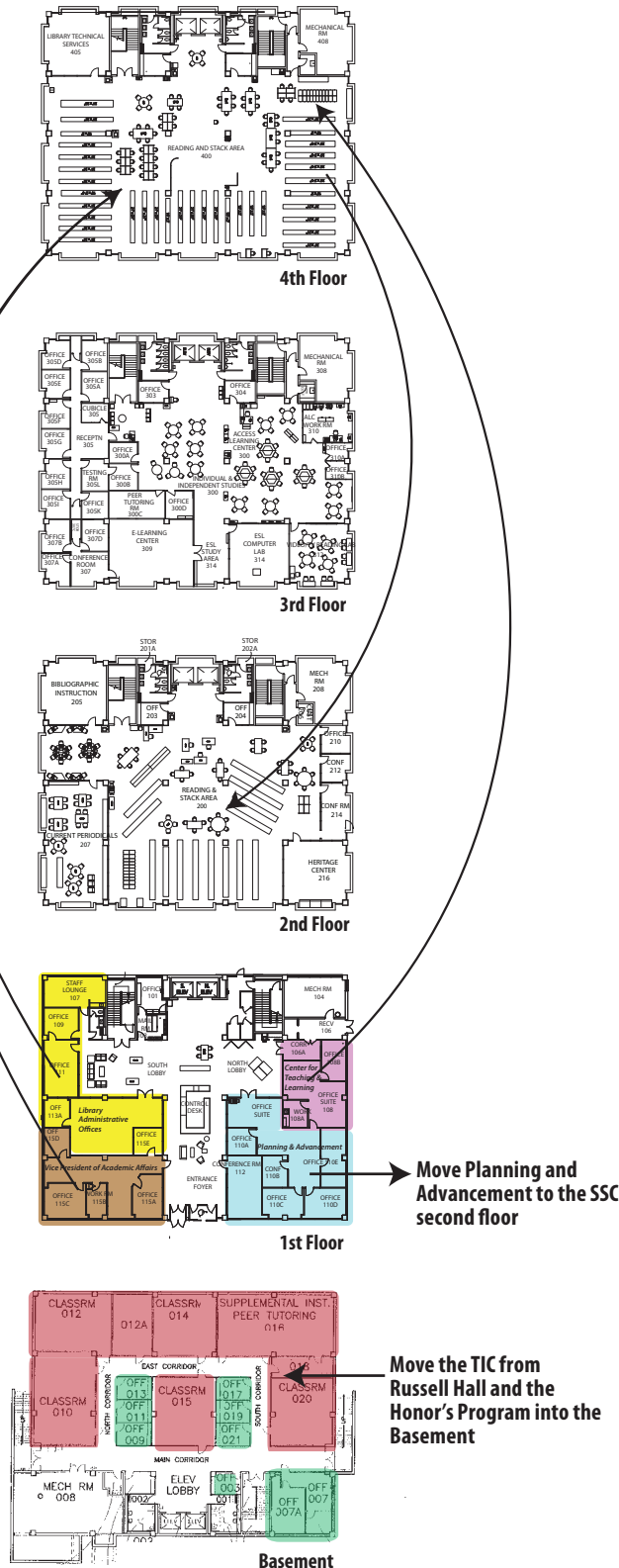
Space Requirements (cont.)

Lynn Library Renovation

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area (ASF)
FOURTH FLOOR			
ESL			
Staff Offices		2 @ 120sf	240
Storage		1 @ 100sf	100
Total ESL			340
Title V			
Office		2 @ 120sf	240
Reception + Receptionist		1 @ 150sf	150
Internal Circulation (25%)		1 @ 98sf	98
Total Title V			390
Reading Developmental			
Faculty Office		4 @ 120sf	480
Total Reading Developmental			480
CTL			
Associate VP Office		1 @ 200sf	200
Staff Offices		12 @ 120sf	1,440
Reception + Receptionist		1 @ 200sf	200
Student Worker/Volunteer		2 @ 48sf	96
PT Office		5 @ 80sf	400
Conference Room/Team Space	15-20	1 @ 400sf	400
Kitchenette/Break Room		1 @ 250sf	250
Storage		1 @ 120sf	120
Internal Circulation (25%)		1 @ 777sf	777
Total CTL			3,883
Library Offices			
Reception		1 @ 300sf	300
Library Director		1 @ 200sf	200
Office		4 @ 120sf	480
Storage		1 @ 120sf	120
Internal Circulation (25%)		1 @ 275sf	275
Total Library Offices			1,375
VP Academic Affairs			
VP Office		1 @ 250sf	250
Staff Offices		1 @ 120sf	120
Reception + Receptionist		1 @ 150sf	150
Student Worker/Volunteer		2 @ 48sf	96
Conference Room	15-20	1 @ 400sf	400
Storage		1 @ 120sf	120
Internal Circulation (25%)		1 @ 284sf	284
Total VP Academic Affairs			1,420
Shared Support			
Staff Lounge		1 @ 300sf	300
Conference Room	15-20	1 @ 400sf	400
Total Shared Support			700
Total			8,588

Library Renovation Concept Diagram



Administrative Offices: The fourth floor will be reserved for library offices for the VP of Academic Affairs, Access, CTL, ESL, Title V, Developmental Reading, and library staff.

Center for Academic and Faculty Learning: The third floor will be dedicated to the Faculty Learning Center, the CTL, Reading, and Access specialty spaces including lab and tutoring spaces.

Student Study and Stacks: Library stacks, open computer lab, and quiet study area will be located on the second floor. Stacks will be consolidated from the fourth floor.

Student Gathering: The first floor will be re-purposed as a large student gathering, vending, and study area. Offices currently located on the first floor will be relocated.

IT: The basement, which is currently under utilized, will be renovated for new centrally located and visible TIC space, as well as dedicated space for the Honor's Program. Current classrooms will be decommissioned and offices will be moved to other locations.

CUB Renovation

Project Description and Scope

The college has a vision to improve student life at AC by providing more sticky spaces, amenities and other student services in an easily accessible and central location. The student union, which normally provides this to students, is typically a critical part of student life and a destination between classes for social gathering, recreation, relaxation, study, and programs or events. These functions are then supplemented by services such as dining, bookstore, and meeting spaces. The CUB provides this opportunity and can be vibrant and engaging, showcasing the college's commitment to student development in all aspects including academic, social, and recreation.

The master plan update is an opportunity to reconsider the existing CUB and assess what changes will help to support student life. While a complete renovation is not recommended, minor updates can revitalize the building to make it more inviting and functional. Options to consider include the following:

- Modern, comfortable, moveable furniture within student life spaces in the basement
- Extensive student organization/student government space
- Access to lots of technology, outlets, and AV
- Laptop bar/notebook bar
- Performance stage or platform
- Coffee Bar and/or vending
- Visible student programs and events, school spirit, and the bookstore

In addition, the removal of the campus kitchen and server provides the opportunity to improve the function of the bookstore by providing storage that is on the same level as the bookstore. The old bookstore storage in the basement will be re-purposed for the college Emergency Operations Center (EOC). The EOC will be a central and strategic location for response and management of emergency incidents such as weather. In addition, the AC Career Center will be established within the old dining area. The Career Center will assist students and alumni in identifying a degree plan, career field, developing job search skills, and providing access to employment opportunities. A preliminary space list is included on the following pages, detailing recommended renovation areas.

Space Requirements

College Union Building

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area(ASF)
BASEMENT			
Emergency Operations Center		1 @ 800sf	800
Student Activities Growth Office		2 @ 120sf	240
Storage		1 @ 200sf	200
Total BASEMENT			1,240
Total Available (old bookstore storage)			1,678
FIRST FLOOR			
Bookstore Storage		1 @ 2,220sf	2,220
Career Center		1 @ 1,200sf	1,200
Recruitment & Blue Blazers			
Office		2 @ 120sf	240
Reception/Lounge		1 @ 400sf	400
Storage		1 @ 120sf	120
Total Recruitment & Blue Blazers			760
Total First Floor Renovation Area			4,180
Total Available (former kitchen, servery, and dining)			5,100

Engineering and Math Expansion/Dutton Hall Renovation/Durrett Hall Renovation

The long-term vision for this zone of the campus includes a three step process with the goal of expanding the Math and Engineering departments into Durrett Hall. Mathematics and Engineering is currently located in the Engineering Building and provides classes for over 8,000 students each year. Classrooms used by the Engineering Department within the Engineering Building currently have the highest utilization at the Washington Campus.

Currently, much of the Behavioral Studies department offices are located in Durrett Hall. If Behavioral Studies faculty offices and advising spaces are relocated to Dutton Hall, which is currently vacant swing space, their space within Durrett Hall is made available for Math and Engineering expansion. This shift is also beneficial to Behavioral Studies by placing these departments closer to Ordway Hall, which also contains much of the other Social Sciences space. Dutton Hall will be renovated to meet the needs of Behavioral Sciences.

The Engineering and Math departments are in need of an expanded Math Center to include a more functional layout and private tutoring rooms. The expansion will allow the Math Center to increase the student population served and allow more focused tutoring and other services. Additionally, the Engineering department now stores many of its demonstration aids, equipment, and tools, because there is no space large enough for them to be used. A hands-on learning lab would allow engineering students space to complete projects and use tools and equipment. Grant funding is available to get the projects rolling but a plan is needed to accommodate the additional space.

This renovation of Durrett and Engineering could be approached in several ways; the Math Center could be expanded in its current location in Engineering, or it could be moved to the first floor of Durrett. These options will be examined more closely in the programming phase of the project to determine which option best meets the needs of the department.

Space requirements for both the Math/Engineering department and Behavioral Studies are listed on the following page. The space needs do not reflect the scope of the renovation and are simply a list of the total needs of each department. How the requirements are accommodated within the three buildings will be determined during programming.

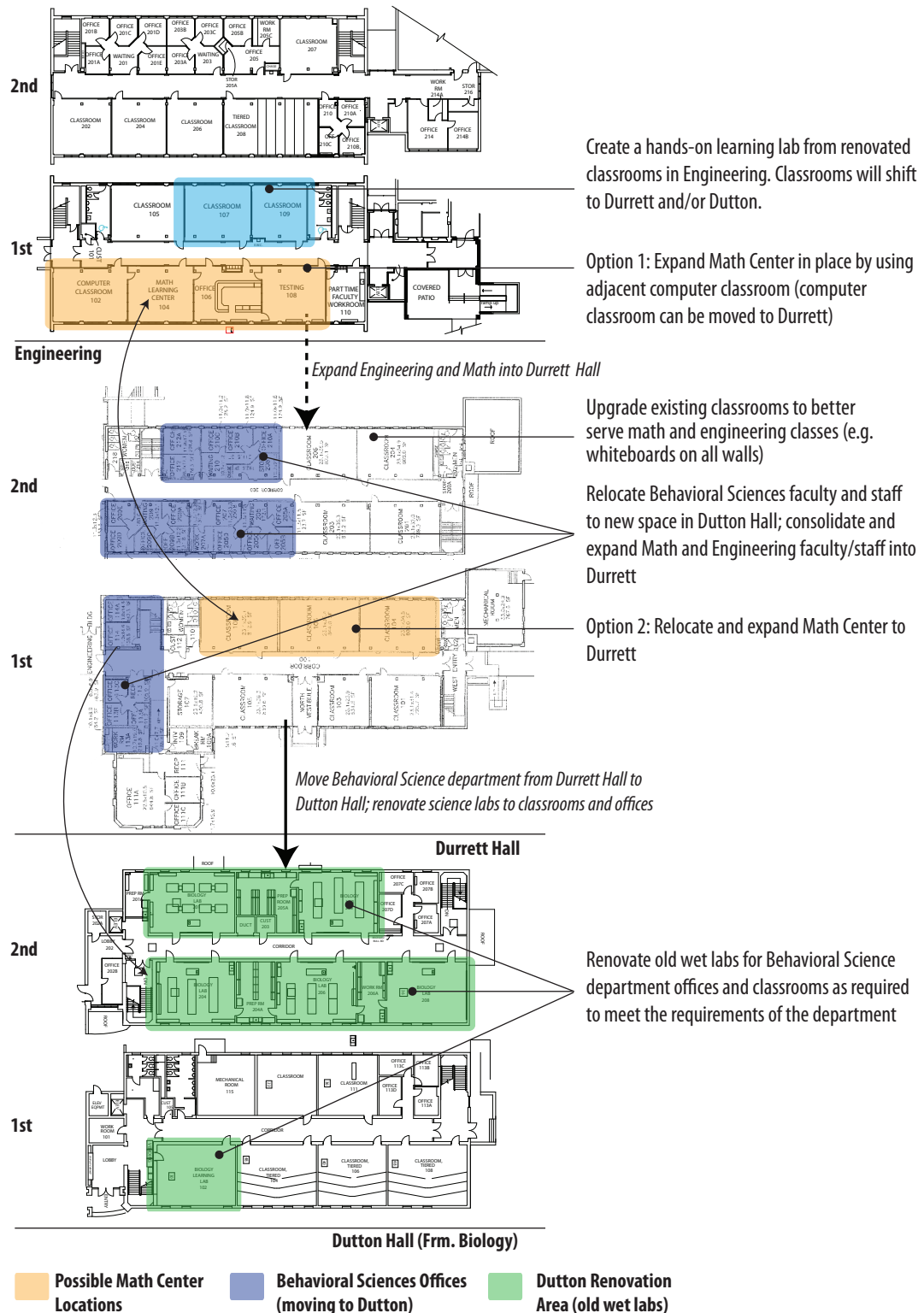
Space Requirements

Math/Engineering + Dutton Renovation

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area (ASF)
MATH AND ENGINEERING - Engineering Building and Durrett Hall Renovation			
Administrative			
Faculty Offices		20 @ 120sf	2,400
Department Chair Suite		1 @ 600sf	600
Advising Office Suite		1 @ 600sf	600
PT Workroom		1 @ 600sf	600
Storage Room		1 @ 450sf	450
Conference Room	6-8	1 @ 300sf	300
File Room		1 @ 120sf	120
Internal Circulation (25%)		1 @ 1,268sf	1,268
Academic			
Classrooms	30-35	15 @ 1,000sf	15,000
Math Center		1 @ 4,000sf	4,000
Engineering Hands-on Lab	30-35	1 @ 2,000sf	2,000
Storage		1 @ 200sf	200
SSS STEM Grant			
Office		4 @ 120sf	480
Reception		1 @ 150sf	150
Classroom		1 @ 700sf	700
Internal Circulation (25%)		1 @ 333sf	333
SAFRA - Math & Engineering			
Office		5 @ 120sf	600
Internal Circulation (25%)		1 @ 150sf	150
Total Math & Engineering			29,950
Total Available (in Durrett and Engineering)			37,598
BEHAVIORAL STUDIES - Dutton Hall Renovation			
Administrative			
Faculty Offices		10 @ 120sf	1,200
Department Chair Suite		1 @ 600sf	600
Advising Office Suite		1 @ 500sf	500
Division Office/Workroom		1 @ 600sf	600
Storage Room		1 @ 450sf	450
Conference Room	6-8	1 @ 300sf	300
Internal Circulation (25%)		1 @ 913sf	913
Academic			
Classrooms	40-50	8 @ 1,250sf	10,000
Total BEHAVIORAL STUDIES - Dutton Hall Renovation			14,563
Total Available Dutton Hall			15,749

Engineering and Math Expansion/Dutton Hall Renovation Area



Conference Center - Building B Renovations

Project Description and Scope

A conference center space is a need that was identified in the original AC master plan. The available space in B Building on West Campus is a perfect space for a conference center and will serve as an asset to the college and the community since there is a lack of such spaces within the college and in the community. The building itself provides the necessary floor area that is virtually column free, access to parking, and a high-bay ceiling height appropriate to conference center use. This space would be particularly utilized by Continuing Health care education for conferences and training.

The conference center concept would provide a state-of-the-art comprehensive facility dedicated to meetings, conferences, and events. This space would be renovated within B Building in space that is already vacant and unused and has a floor space suitable to this use. A dedicated meeting facility will allow the college new opportunities for conferences and community outreach. The space should be flexible for a multitude of uses and arrangements, divisible into different sizes, and be equipped with AV and sound system equipment. In addition to the conference center spaces, the surplus of space within the building provides an opportunity for college records storage.

In addition to the conference center, a new parking lot to accommodate overflow and conference parking would be constructed. This lot could serve a dual purpose as both conference center parking, as well as a motorcycle training course for the Continuing Education department.

Space Requirements

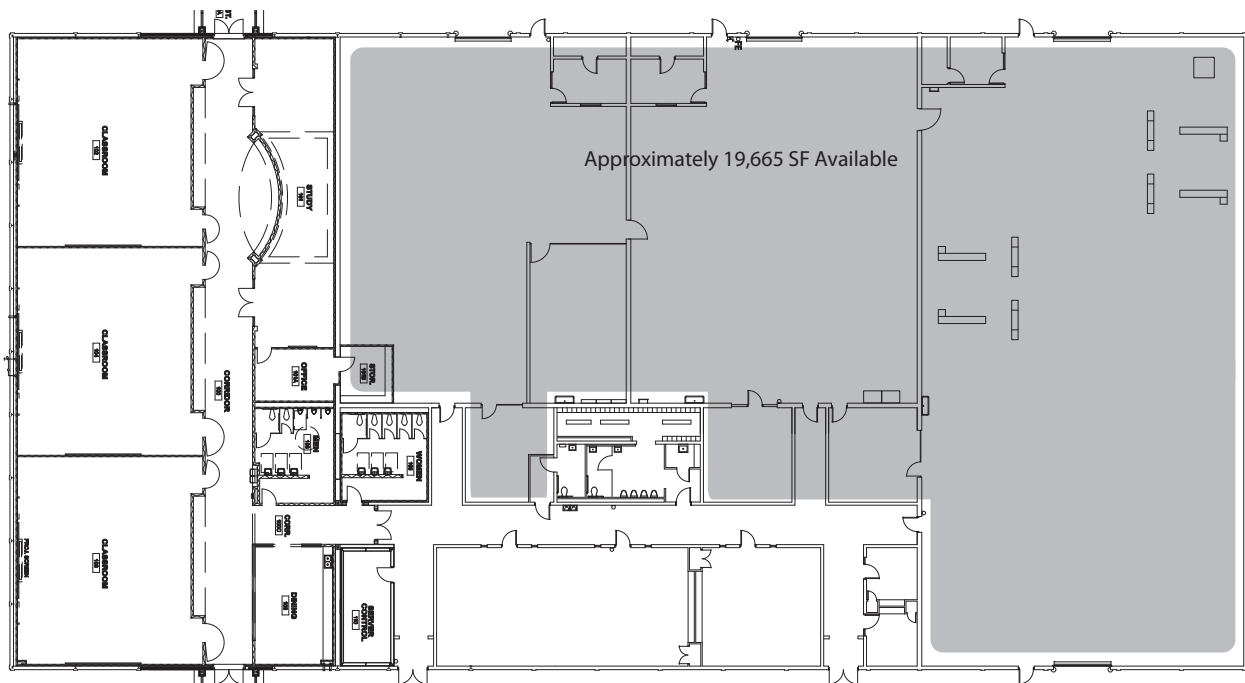
Building B Renovation

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area (ASF)
CONFERENCE CENTER			
Banquet Room	600	1 @ 9,000sf	9,000
AV Room		1 @ 120sf	120
Catering Kitchen		1 @ 600sf	600
Storage		1 @ 1,500sf	1,500
Conference Rooms/Breakout	20-25	2 @ 500sf	1,000
Lobby		1 @ 1,000sf	1,000
Total CONFERENCE CENTER			13,220
RECORDS STORAGE			
Records Storage		1 @ 4,000sf	4,000
Total RECORDS STORAGE			4,000
Total Required			17,220
Total Available			19,665

B Building Renovation Area

The following diagram illustrates the area within Building B (in Gray) that is currently vacant and can be re-purposed as a college conference center.



Building C Renovation - Criminal Justice Expansion

Project Description and Scope

Located on the West Campus, the department of Criminal Justice is home to a wide range of degree and certificate programs, including Criminal Justice Associate in Science, and Criminal Justice Associate in Applied Science. The department also hosts conferences and courses for criminal justice professional in Amarillo and the panhandle.

Currently located in Building C, the department would benefit from expanding their space into the vacated spaces left by the Nursing and Interior Design/Drafting departments. As these departments transition out of the building, Criminal Justice will transition into these spaces to better suit the needs of the program. Their needs are listed below.

Space Requirements

Building C Renovation

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area (ASF)
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CRIMINAL JUSTICE

Administrative

Faculty/Staff Offices		10 @ 120sf	1,200
Reception + Receptionist		1 @ 200sf	200
Conference Room	15	1 @ 375sf	375
Kitchenette		1 @ 150sf	150
Copy Area/Work Room		1 @ 175sf	175
AV Storage Room		1 @ 200sf	200
Storage		1 @ 150sf	150
Internal Circulation (25%)		1 @ 613sf	613

Academic

Scenario/Defensive Tactics Room		1 @ 1,800sf	1,800
Storage		1 @ 400sf	400
Changing Room		2 @ 225sf	450
Decon Shower Room		1 @ 100sf	100
Weapons Vault		1 @ 150sf	150
Vestibule		1 @ 25sf	25
PRLEA Classroom	40	1 @ 1,000sf	1,000
Vending/Lounge		1 @ 300sf	300

Total CRIMINAL JUSTICE

7,288

Outdoor

Outdoor Secure Vehicle Storage

Gym/Dance Expansion/Group Fitness Spaces

Project Description and Scope

Physical fitness related classes are one of the most popular offerings of AC Continuing Education. These classes are constantly evolving and the demand is ongoing.

Needs for the program include the ability to establish a full boys' gymnastics program as exists for the girls. The current Gym/Dance Facility does not have the proper spaces, such as a pit for advanced gymnastics training, to offer such a program. In addition, Nixon Gym will be demolished as soon as a suitable space is found to replace the multipurpose group fitness classes offered here.

The following space list includes the needs for the Gym/Dance facility and the required life enrichment spaces.

Space Requirements

GymDance Expansion

Master Plan Update 2011

Name of Space	Capacity	No. and Size of Space	Total Area (ASF)
Life Enrichment Spaces			
Large Multipurpose Room		1 @ 3,600sf	3,600
Small Multipurpose Room		3 @ 2,400sf	7,200
Storage		1 @ 1,200sf	1,200
Dressing Room		2 @ 200sf	400
Total Life Enrichment Spaces			12,400
Gym/Dance Expansion			
Gym Floor Expansion		1 @ 3,500sf	3,500
Pit		1 @ 150sf	150
Dance Floor		1 @ 1,700sf	1,700
Lobby Expansion		1 @ 600sf	600
Viewing Area		1 @ 200sf	200
Offices		2 @ 120sf	240
Storage		1 @ 400sf	400
Total Gym/Dance Expansion			6,790
Subtotal			19,190
Net to Gross (65%)			6,717
TOTAL			25,907

Possible site for Gym/Dance Expansion

To expand group exercise spaces on West Campus, several options are available, the preferred option being an addition to the Gym/Dance building.



Introduction

This chapter examines current classroom utilization across the three Amarillo College academic campuses. The 2007 Master Plan determined utilization and space projection data that was used to develop original master plan recommendations. Since that time, many new and updated buildings have “come online”, which directly affects space utilization across the board.

The development of a long-range planning strategy begins with a thorough understanding of the current inventory of existing space and how this space is used. Existing space must be evaluated, in terms of quantity, quality and functionality, to determine exactly what current space needs exist, the opportunities for optimizing space and its use, and how ultimately, what type of space and how much is needed to address future needs. Space needs were quantified by questionnaires and interviews to determine the space needs of existing campus buildings and departments.

Space utilization was re-evaluated using more recent data from each campus to inform the 2011 Master Plan Update.

Purpose

The purpose of this study is to provide insight into AC’s current campus planning effort and to re-assess utilization practices. This analysis will aid the master planning team in developing recommendations to efficiently accommodate the growth and space needs of AC. By developing an understanding of the way AC has planned in the past and has physically evolved over time, informed decisions can be made for the 2011 Master Plan Update. A thorough understanding of the college’s space utilization will help identify where deficiencies exist in scheduling practices or where classroom and lab shortages occur as well as measure the viability of existing or proposed alternatives. This in turn assists in determining if any new classroom space is needed or if the opportunity exists to re purpose a space.

Utilization measures the current practical use of the existing facilities, benchmarked against standards that are published by the Texas Higher Education Coordinating Board (THECB), a planning body that governs all institutions of higher learning in the State of Texas. The THECB guideline for the scheduled use of a classroom in colleges and universities is 38 hours per week and 25 hours per week for labs. Community Colleges are not required to report to the THECB and, therefore, can determine their own targets. Many community colleges use a range of 30-40 hours a week as a target utilization.

Method

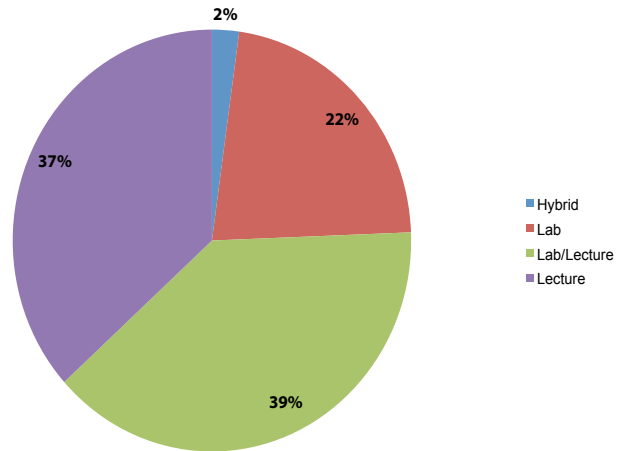
Determining efficiency is accomplished by exploring usage trends and evaluating patterns while taking into account multiple factors. These factors are scheduling, occupancies, and space functionality. The analysis was based on the Fall 2010 class schedule inventory, as well as the space inventory. The current inventory of space was reviewed alongside the Fall 2010 class schedule to determine the weekly usage of classrooms and labs.

It should be noted that AC is currently a college “in flux”. Many new classrooms have recently “come online” (replacing outdated classrooms with no technology), buildings are being renovated, spaces are being used as swing space for other projects, buildings are being vacated, etc. This affects the outcome of the utilization study in some instances. For example, classrooms that are being renovated may appear as “unscheduled”. Additionally, because the Polk Street campus is used exclusively for Continuing Education (academic classes are focused on the Washington, West, and East Campuses) it has not been included in this study.

Washington Campus Utilization

Courses Taught by Method

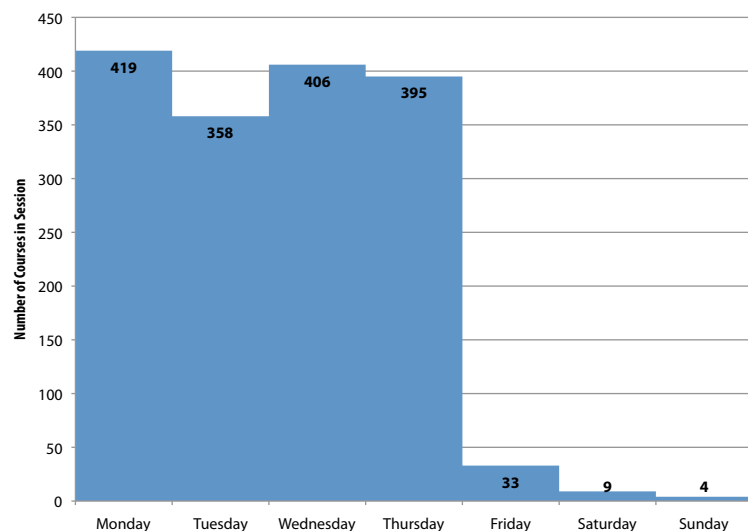
Courses taught at the Washington Campus are primarily traditional lecture or lab/lecture combo courses.



The college looks to expand hybrid, web-based, and distance learning courses in the coming years as identified in the Strategic Plan Through 2015.

Courses in Session by Day of the Week

One of the main issues affecting classroom utilization involves typical scheduling practices. When projecting space needs, classroom utilization must be assessed on a daily basis in order to discern between days of high and low utilization. The Washington Campus maintains a full schedule Monday through Thursday, with Fridays being sparsely scheduled. Monday is the highest scheduled day of the week.



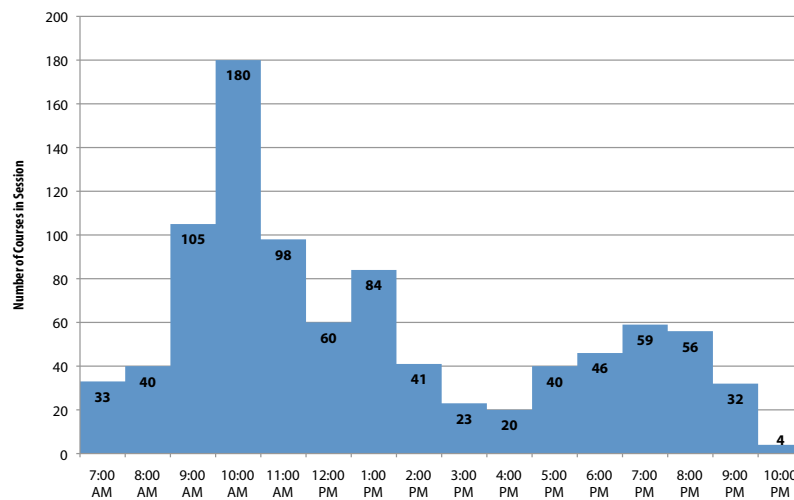
Classroom Utilization Update

Courses in Session by Time of Day

The following graphs are useful in determining what time of day the classes are mainly being utilized. Every bar represents the total number of classes being scheduled during that hour. The highest levels of classroom utilization occurs around ten and then begins to drop later in the evening.

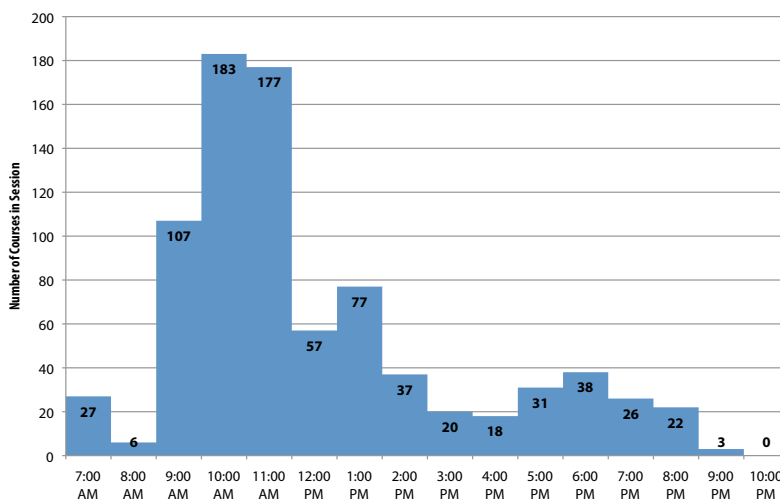
Monday

Most classes on Monday are taught in the 9 AM to 11 AM range.



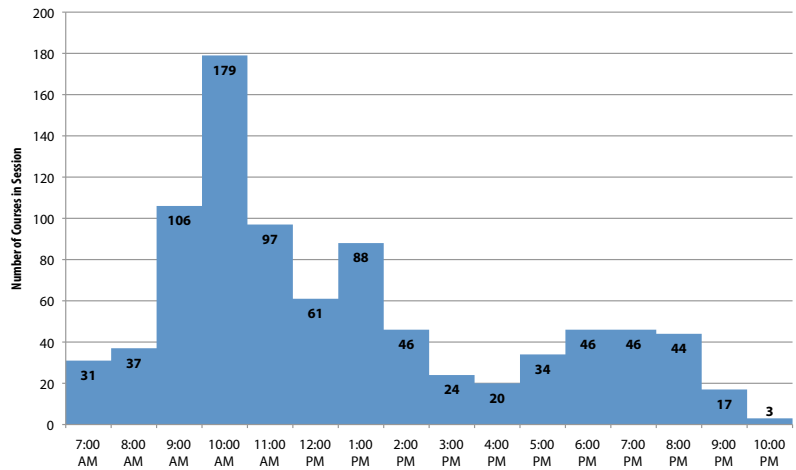
Tuesday

Most classes on Tuesday are taught in the 10 AM to 12 PM range.



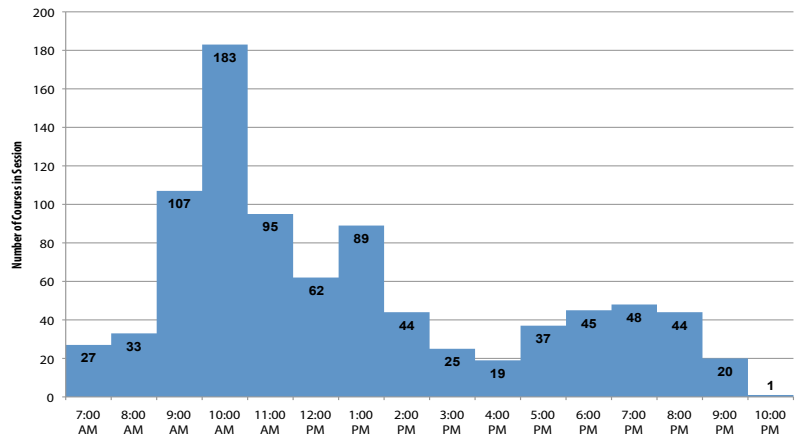
Wednesday

Most classes on Wednesday are taught in the 10 AM range.



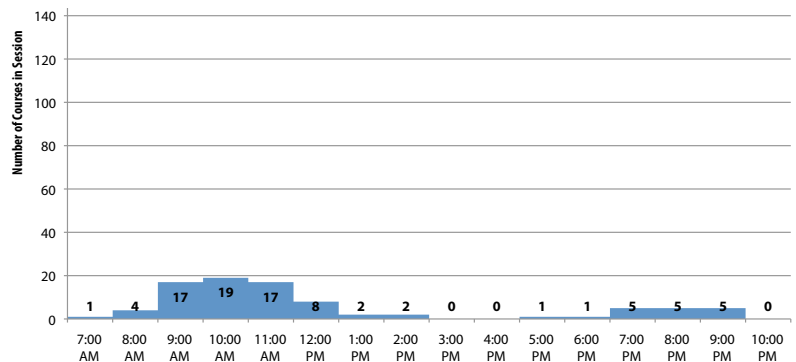
Thursday

Most classes on Thursday are taught in the 10 AM range.



Friday

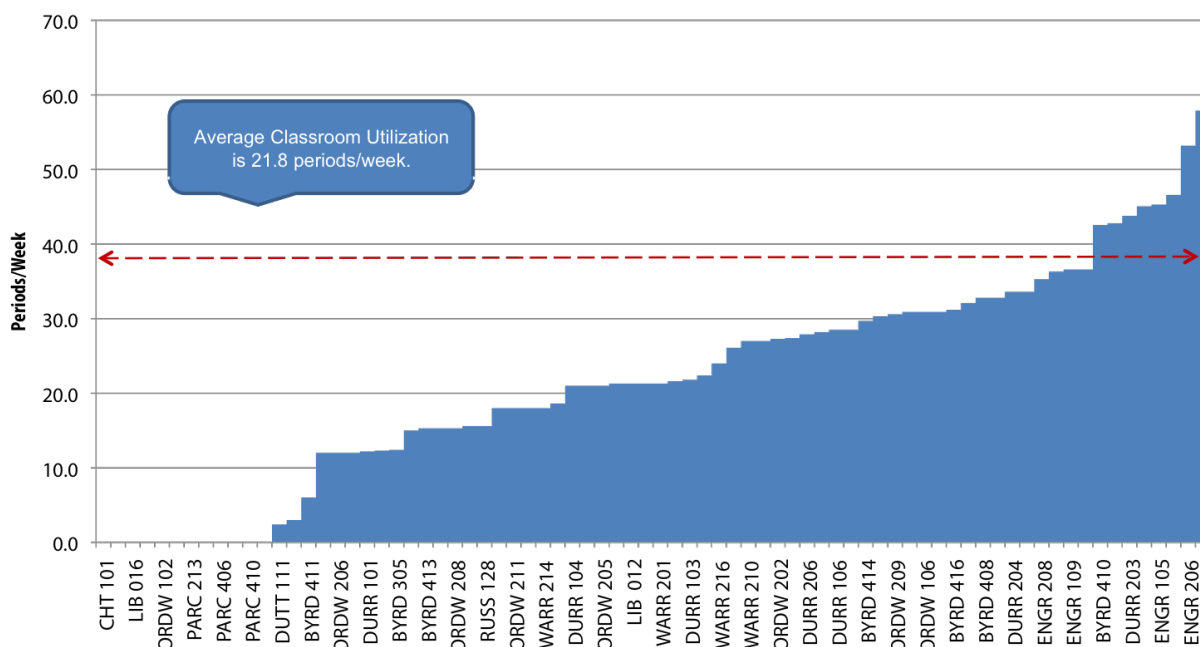
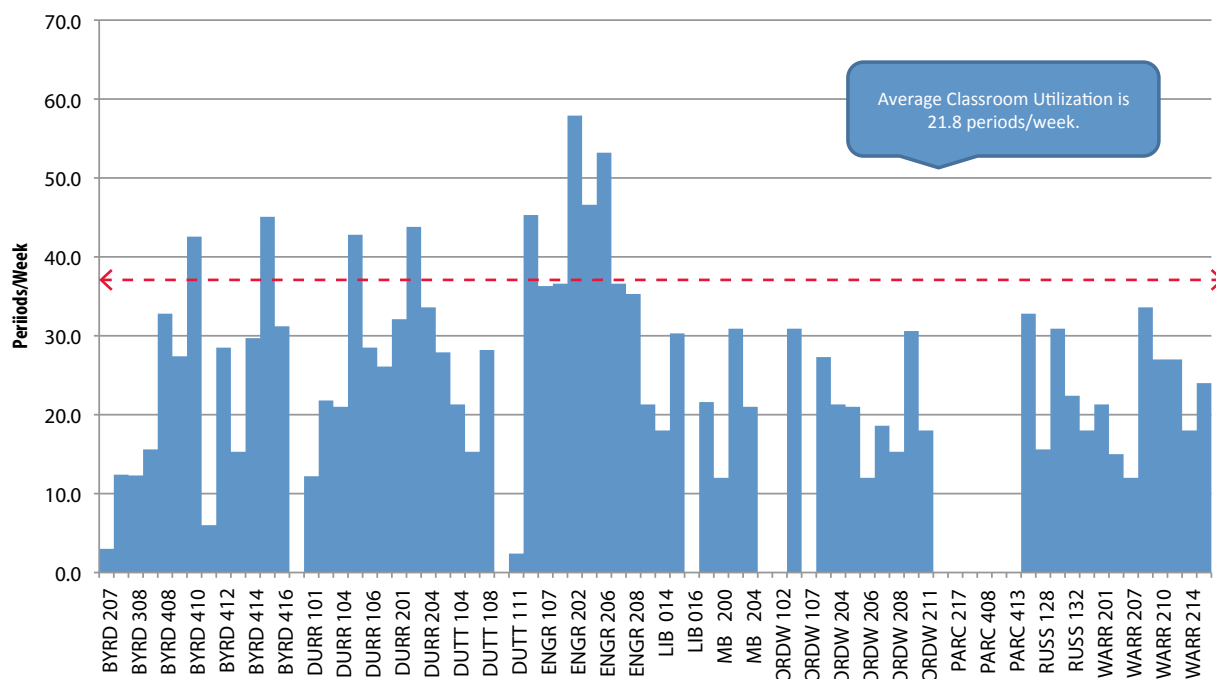
Very few courses are taught on Friday.



Classroom Utilization Update

Washington Campus Classroom Utilization

The following charts detail utilization by classroom on the campus. The purpose of the classroom utilization analysis was to identify which classrooms have the highest and lowest utilization. THECB recommends 38 Hours per week (in red below). Classrooms that are blank are currently under construction or renovation.



Classroom Utilization Detail

The following table highlights classrooms that are severely under utilized or are not scheduled for various reasons.

Unscheduled Classrooms				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
CHT 101	0.0	266	Concert Hall/Auditorium	1,662
DUTT 109	0.0	28	Biology Learning Lab	563
LIB 016	0.0	0	Multimedia Classroom	1,145
ORDW 101	0.0	26	English Writing Lab	887
ORDW 102	0.0	28	Classroom	478
ORDW 107	0.0	460	Ordway Theater	3,493
PARC 213	0.0	20	Under Renovation	701
PARC 217	0.0	43	Under Renovation	695
PARC 406	0.0	17	Under Renovation	737
PARC 408	0.0	13	Under Renovation	727
PARC 410	0.0	20	Under Renovation	745
PARC 413	0.0	13	Under Renovation	783

The following classrooms are scheduled less than 20 hours per week.

Classrooms Scheduled Less than 20 periods per week				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
DUTT 111	2.4	34	Former Biology; No Technology	563
BYRD 207	3.0	18	Classroom; Under Renovation	763
BYRD 411	6.0	40	Classroom; Under Renovation	679
MB 200	12.0	29	Music	594
ORDW 206	12.0	30	Classroom	583
WARR 207	12.0	22	Physical Sciences	744
DURR 101	12.2	52	Classroom - Electronics	726
BYRD 308	12.3	42	Classroom; Under Renovation	1,265
BYRD 305	12.4	28	Classroom; Under Renovation	885
WARR 205	15.0	28	Physical Sciences	877
BYRD 413	15.3	36	Classroom; Under Renovation	679
DUTT 106	15.3	40	Former Biology; Tiered Classroom	647
ORDW 208	15.3	30	Classroom	539
BYRD 311	15.6	32	Under Renovation	876
RUSS 128	15.6	33	Classroom	499
LIB 014	18.0	35	Classroom	582
ORDW 211	18.0	30	Classroom	502
WARR 109	18.0	29	Science Classroom	885
WARR 214	18.0	28	General Biology	728
ORDW 207	18.6	30	Tiered Classroom	621

Classroom Utilization Update

The following classrooms are scheduled 20 to 30 hours per week.

Classrooms Scheduled Between 20 and 30 periods per week				
Room Number	Pds/Wk	Capacity	Department or Space TYPE	SF
DURR 104	21.0	59	Math Learning Center	800
MB 204	21.0	31	Music	594
ORDW 205	21.0	48	Classroom	629
DUTT 104	21.3	38	Tiered Classroom	750
LIB 012	21.3	40	Classroom	713
ORDW 204	21.3	33	Classroom	532
WARR 201	21.3	48	Tiered Classroom	1,233
LIB 020	21.6	32	Classroom	675
DURR 103	21.8	30	Classroom (Electronics?)	532
RUSS 132	22.4	27	ESL	509
WARR 216	24.0	28	General Biology	716
DURR 108	26.1	57	Classroom	813
WARR 210	27.0	28	General Biology	694
WARR 212	27.0	28	General Biology	689
ORDW 202	27.3	32	Classroom	586
BYRD 409	27.4	24	Classroom; Under Renovation	577
DURR 206	27.9	50	Classroom	823
DUTT 108	28.2	40	Tiered Classroom	748
DURR 106	28.5	51	Classroom	844
BYRD 412	28.5	55	Classroom; Under Renovation	1,091
BYRD 414	29.7	50	Classroom; Under Renovation	1,012

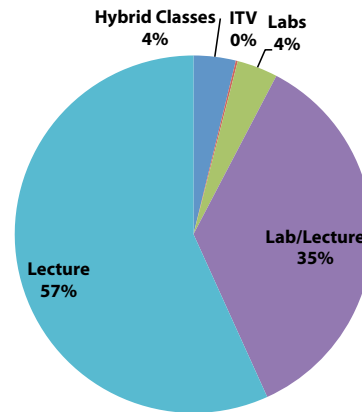
The following classrooms are very well utilized and are scheduled more than 30 hours per week. Many of the classrooms are in the Engineering Building and/or the Math or Engineering department.

Classrooms Scheduled More than 30 periods per week				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
LIB 015	30.3	28	Classroom	694
ORDW 209	30.6	29	Classroom	498
MB 202	30.9	45	Music	594
ORDW 106	30.9	35	Classroom	603
RUSS 131	30.9	90	Art/Cinema	1,719
BYRD 416	31.2	50	Classroom; Under Renovation	1,011
DURR 201	32.1	52	Classroom	739
BYRD 408	32.8	52	Classroom; Under Renovation	1,029
RUSS 126	32.8	36	Classroom	614
DURR 204	33.6	58	Classroom	808
WARR 209	33.6	28	General Biology	744
ENGR 208	35.3	50	Engineering	949
ENGR 107	36.3	36	Engineering	667
ENGR 109	36.6	32	Engineering	555
ENGR 207	36.6	30	Engineering	558
BYRD 410	42.6	50	Classroom; Under Renovation	1,012
DURR 105	42.8	51	Electronics Classroom	831
DURR 203	43.8	50	Classroom	813
BYRD 415	45.1	36	Classroom; Under Renovation	679
ENGR 105	45.3	36	Engineering	732
ENGR 204	46.6	30	Engineering	544
ENGR 206	53.2	30	Engineering	560
ENGR 202	57.9	20	Engineering	582

What is Taking Place in Classrooms?

What is taking place in classrooms?	
<i>Class Type</i>	<i>Total Periods/Week</i>
Hybrid Classes	63
ITV	3
Labs	61
Lab/Lecture	588
Lecture	939

Total Pds/Wk of Method Taught in Classroom



Classroom Utilization Update

Classroom Demand Analysis Report

An integral step in classroom planning is to determine the need for and number of classrooms of any given capacity. Below is a profile of current class section sizing patterns and is indicative of the classroom sizes needed to support all of the current departments and programs. By determining the required number of rooms based on the room capacities; classroom demand is generated and deficiencies or surpluses are revealed.

Overall, there is a surplus of classrooms in the 14-27 person capacity. This is masking the fact that there is actually a deficit of large classrooms with a capacity of 40 to 90 students..

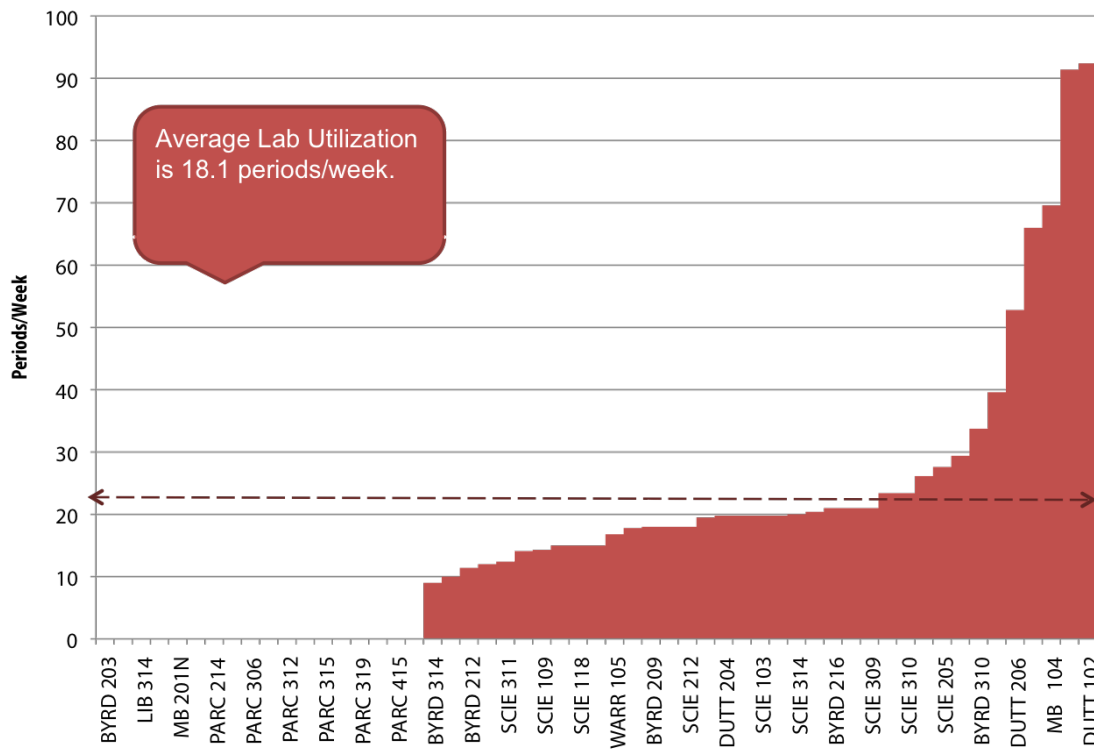
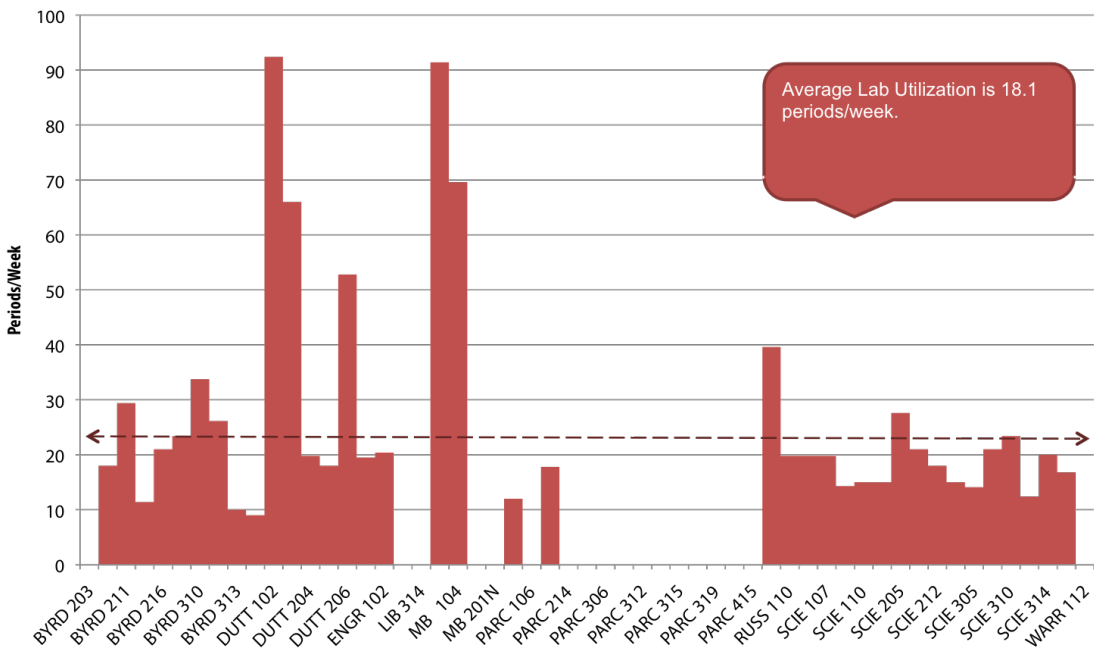
Amarillo College Washington Campus
ACADEMIC TERM: FALL 2010

Classroom Use Standard (periods/week): 38

SECTION SIZE	TOTAL SECTIONS	TOTAL WSCH REQUIRED	MAXIMUM ROOM CAPACITY	TOTAL REQUIRED ROOMS	NO. OF AVAILABLE ROOMS	BALANCE
001 - 013	3	4	20	1	8	7
014 - 027	262	779	40	21	45	24
028 - 040	222	702	55	19	17	(2)
041 - 053	48	134	70	4	3	(1)
054 - 068	0	0	90	0	1	1
069 - 088	9	28	110	1	0	(1)
089 - 131	0	0	150	0	0	0
132 - 174	0	0	200	0	0	0
175 - 196	0	0	225	0	2	2
TOTALS	544	1,646		46.0	76.0	30.0

Washington Campus Lab Utilization

The following charts detail utilization by lab or class lab on the campus. THECB recommends 25 Hours per week (Dashed line below). Labs that are blank are currently under construction or renovation.



Classroom Utilization Update

Lab Utilization Detail

The following labs are poorly utilized or are not scheduled for various reasons.

Unscheduled Labs				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
BYRD 203	0	0	CIS – Computer Classroom	763
LIB 012A	0.0	0	Computer Lab	389
LIB 314	0.0	25	ESL Testing	567
MB 201	0.0	15	Music Learning Lab	471
MB 201N	0.0	12	Music Library	541
PARC 106	0.0	25	Radio/TV – Studio Classroom	528
PARC 214	0.0	32	Mass Comm. – Publication (Renovation)	925
PARC 214	0.0	15	Mass Comm. – Digital Lab (Renovation)	618
PARC 306	0.0	20	Mass Comm. – Digital Lab (Renovation)	759
PARC 308	0.0	30	Mass Comm. – Digital Lab (Renovation)	715
PARC 312	0.0	15	Mass Comm. – Digital Lab (Renovation)	677
PARC 314	0.0	30	Expressive Lab (Renovation)	709
PARC 315	0.0	20	Photography – Animation Studio (Renovation)	229
PARC 316	0.0	10	Photography – Photo Lab (Renovation)	1,290
PARC 319	0.0	38	Photography – Portrait Studio (Renovation)	661
PARC 414	0.0	23	Drafting/Interior Design – Drafting (Renovation)	883
PARC 415	0.0	22	Drafting/Interior Design – Drafting (Renovation)	983
WARR 112	0.0	28	Physical Sciences – General Purpose Lab	1,274

The following labs are scheduled less than 20 hours per week.

Labs Scheduled Less than 20 periods per week				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
BYRD 314	9.0	9	CIS – Computer Classroom	1,038
BYRD 313	10.0	22	Computer Classroom	680
BYRD 212	11.4	0	CIS	690
MB 203	12.0	11	Piano Lab	583
SCIE 311	12.4	24	Organic Chemistry	1,194
SCIE 305	14.1	24	Physics	1,041
SCIE 109	14.3	24	Life Science	1,200
SCIE 110	15.0	24	Microbiology	1,209
SCIE 118	15.0	24	Microbiology	1,206
SCIE 216	15.0	24	Anatomy & Phys.	1,207
WARR 105	16.8	32	Geology	1,068
PARC 108	17.8	20	Radio/TV – Television Studio	575
BYRD 209	18.0	20	CIS – Computer Classroom	880
DUTT 205	18.0	36	Biology Lab (Old)	750
SCIE 212	18.0	24	Anatomy & Phys.	1,207
DUTT 208	19.5	36	Biology Lab (Old)	760
DUTT 204	19.8	36	Biology Lab (Old)	744
RUSS 110	19.8	25	Sculpture	702
SCIE 103	19.8	24	Biology, Gen	1,207
SCIE 107	19.8	24	Bio Tech	1,207

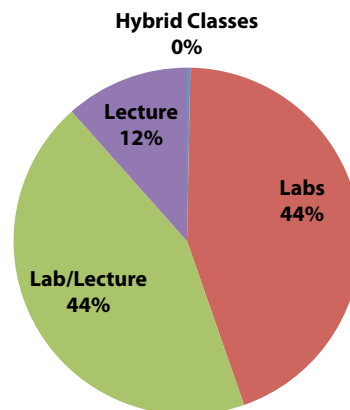
The following labs are well utilized and are scheduled more than 20 hours per week.

Labs Scheduled More than 20 periods or week				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
SCIE 314	20.0	24	Chemistry	1,201
ENGR 102	20.4	0	Computer Lab	
BYRD 216	21.0	20	CIS (Renovation)	905
SCIE 209	21.0	24	Anatomy & Phys.	1,207
SCIE 309	21.0	24	Physics	1,041
BYRD 218	23.4	20	CIS (Renovation)	687
SCIE 310	23.4	24	Chemistry	1,207
BYRD 312	26.1	19	Office Admin. – Computer Classroom (Renovation)	1,273
SCIE 205	27.6	24	Anatomy & Phys.	1,245
BYRD 211	29.4	20	CIS – Computer Classroom (Renovation)	679
BYRD 310	33.8	18	Office Admin. – Computer Classroom (Renovation)	1,279
RUSS 106	39.6	25	Ceramics	1,752
DUTT 206	52.8	36	Biology Lab (Old)	754
DUTT 201	66.0	32	Biology Lab (Old)	808
MB 104	69.6	50	Band	956
MB 102	91.4	65	Choir	1,019
DUTT 102	92.4	24	Biology Lab (Old)	744

What is Taking Place in Labs?

What is taking place in labs?	
Class Type	Total Periods/Week
Hybrid Classes	3
Labs	441
Lab/Lecture	435
Lecture	115

Total Pds/Wk of Method Taught in Labs



Washington Street Utilization Findings

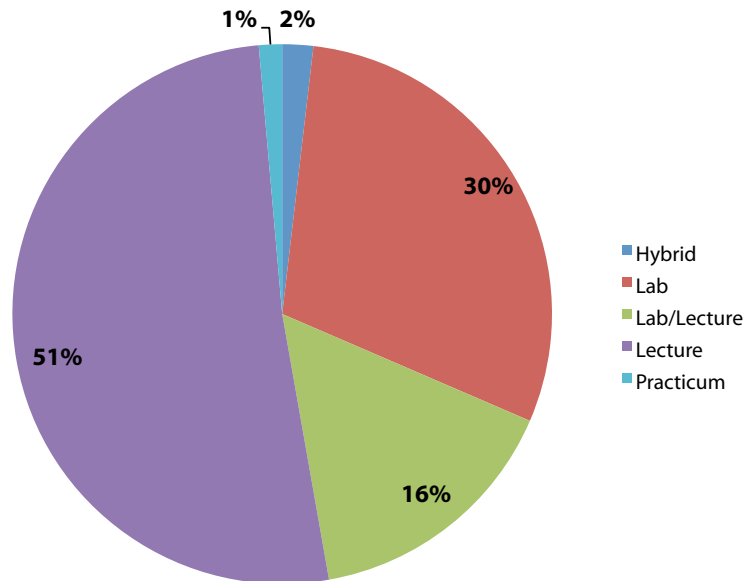
The findings of the classroom utilization study show that while some classrooms are highly utilized, others are not. The highest utilization occurs in classrooms in the Engineering building (likely used by the Engineering and Math departments). Overall, the campus has good utilization and a surplus of classrooms. It is feasible that some classrooms in the 25-person range could be re-purposed as additional office space, if needed.

- There are 3,034 weekly course periods (on average) scheduled in 118 spaces.
- Average classroom utilization is 21.8 periods/week with 1,654 weekly class periods scheduled in 64 classrooms. (12 classrooms are currently unscheduled).
- Engineering maintains the highest classroom usage.
- Average lab utilization is 18.1 periods/week with 994 lab weekly lab periods scheduled in 37 labs. (18 labs are currently unscheduled).
- 385 periods scheduled in 15 “other” types of spaces, such as the dance and design studios.
- Maximum Enrollment to Actual Enrollment in classes is at an average of 80 percent.
- Actual Enrollment Average in each classroom to Classroom Capacity is 62 percent.
- There is opportunity to better utilize surplus classrooms by re-purposing them for offices or classroom deficits.

West Campus Utilization

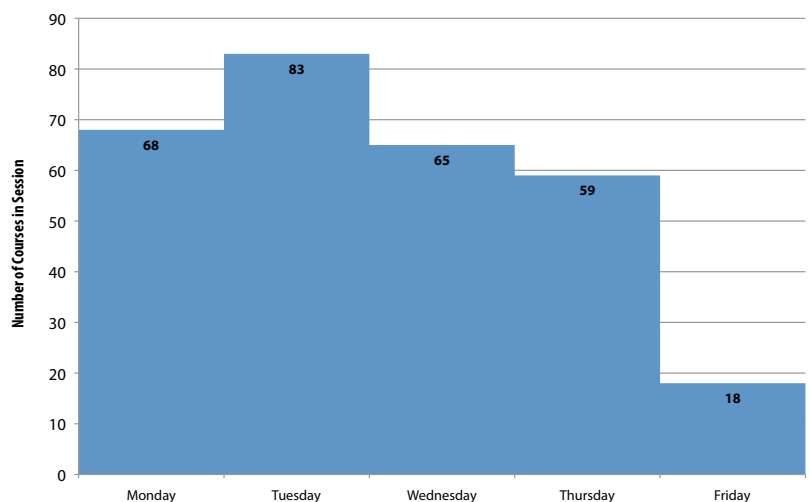
Courses Taught by Method

Courses taught at West Campus are primarily traditional lecture courses.



Courses in Session by Day of the Week

One of the main issues affecting classroom utilization involves typical scheduling practices. When projecting space needs, classroom utilization must be assessed on a daily basis in order to discern between days of high and low utilization. The West Campus maintains a full schedule Monday through Thursday, and Fridays are mostly unscheduled. Tuesday is the most highly scheduled day of the week.



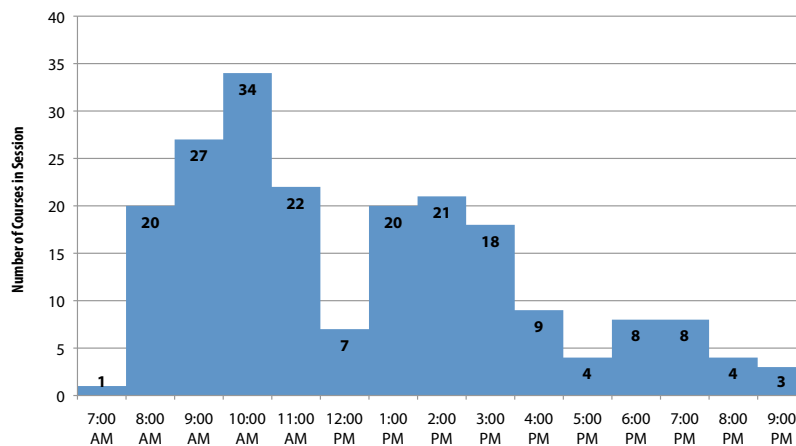
Classroom Utilization Update

Courses in Session by Time of Day

The following graphs are useful in determining what time of day the classes are mainly being utilized. Every bar represents the total number of classes being scheduled during that hour. The highest levels of classroom utilization occurs around ten and then begins to drop later in the evening.

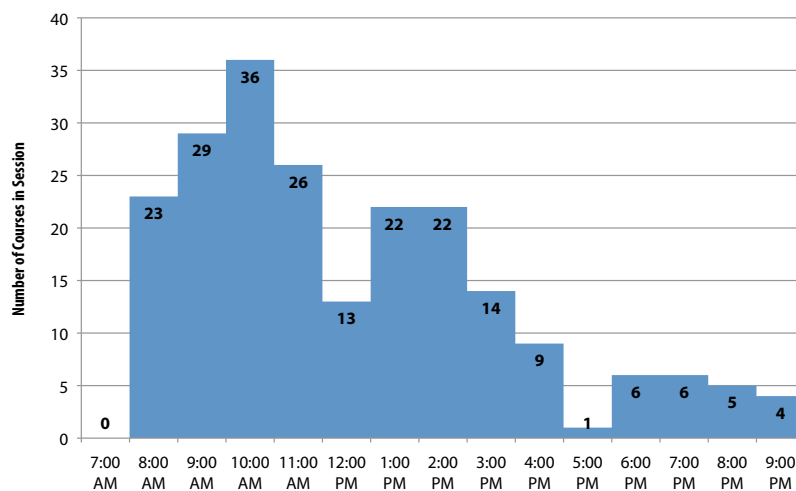
Monday

Most classes on Monday are taught in the 10 AM range.



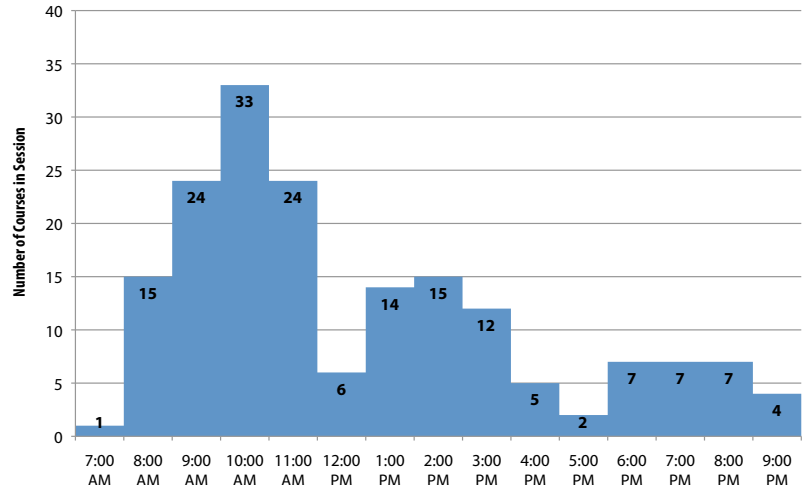
Tuesday

Most classes on Tuesday are taught in the 10 AM range, with Tuesday being the most highly scheduled day of the week. Tuesday afternoons are busier than other days of the week.



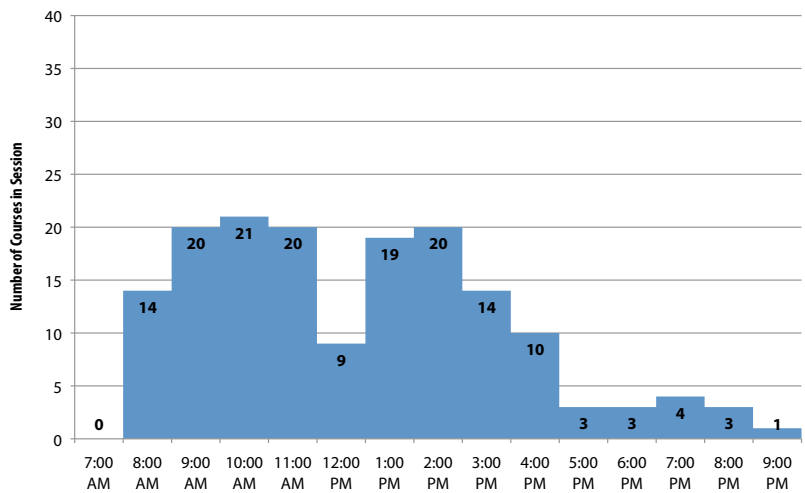
Wednesday

Most classes on Wednesday are taught in the 10 AM range.



Thursday

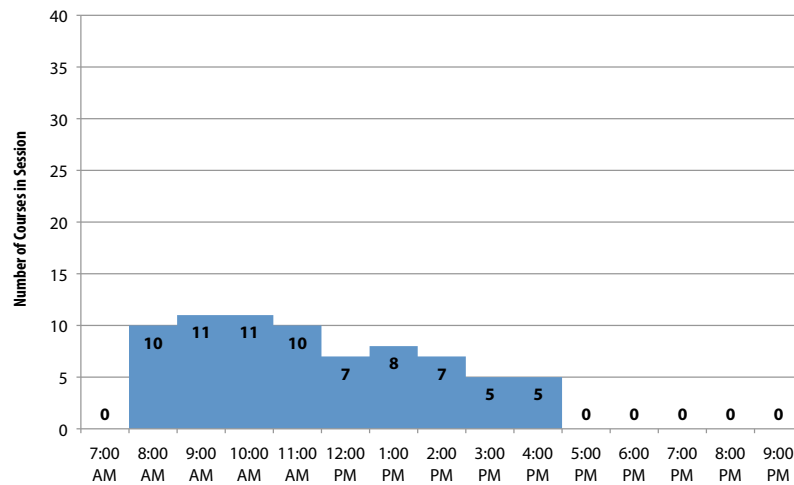
Thursday classes are evenly loaded through the morning and afternoon.



Classroom Utilization Update

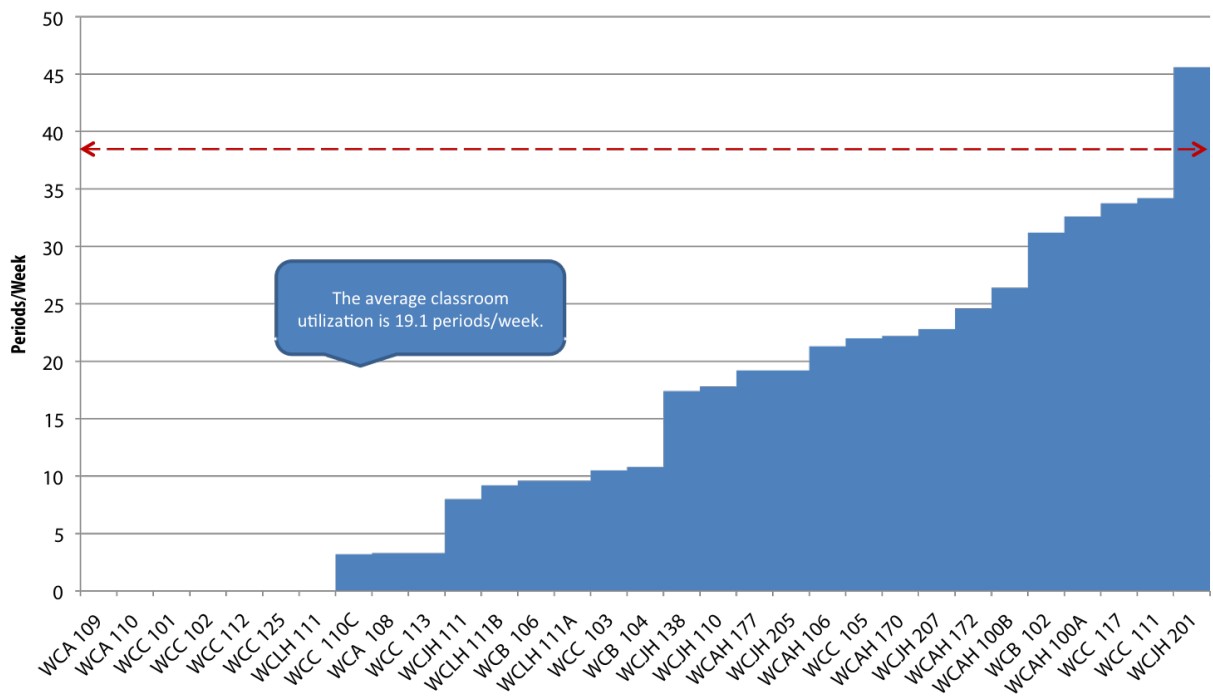
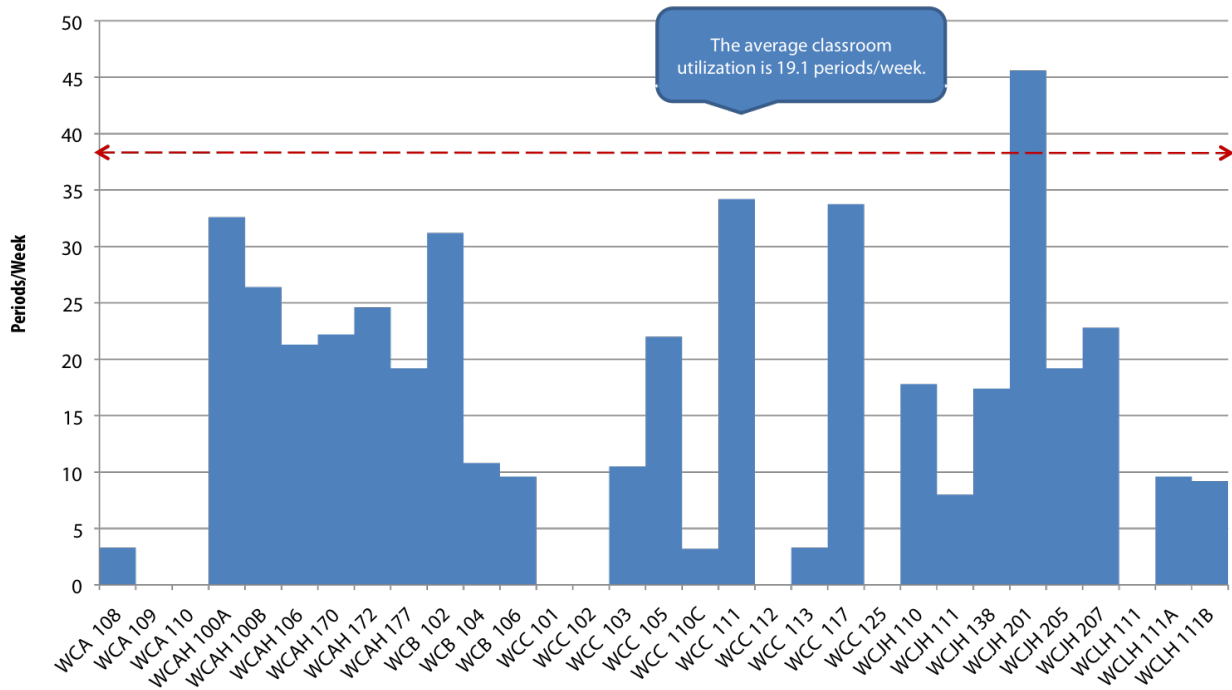
Friday

Thursday classes are evenly loaded through the morning and evening.



West Campus Classroom Utilization

The following charts detail utilization by classroom on the campus. The purpose of the classroom utilization analysis was to identify which classrooms have the highest and lowest utilization. THECB recommends 38 Hours per week (in red below).



Classroom Utilization Update

Classroom Utilization Detail

The following classrooms are poorly utilized or are not scheduled for various reasons.

Unscheduled Classrooms				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
WCA 107	0	60	Classroom; Unused	1,441
WCA 109	0	75	Classroom; Unused	1,528
WCA 110	0	34	Primarily Childcare	748
WCC 101	0	34	Classroom	825
WCC 102	0	25	Mortuary Science	654
WCC 112	0	75	Classroom	2,477
WCC 125	0	24	Criminal Justice	933
WCLH 111	0	300	Lecture	4,892

The following classrooms are scheduled less than 20 hours per week.

Classrooms Scheduled Less than 20 periods/week				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
WCC 110C	3.2	47	Mortuary Science	1,055
WCA 108	3.3	28	Classroom	776
WCC 113	3.3	47	Criminal Justice	1,238
WCJH 111	8	36	Dental Hygiene	740
WCLH 111B	9.2	150	Lecture Hall	2,446
WCB 106	9.6	75	Classroom	1,650
WCLH 111A	9.6	150	Lecture Hall	2,446
WCC 103	10.5	53	Classroom	1,610
WCB 104	10.8	75	Classroom	1,649
WCJH 138	17.4	36	Dental Hygiene	491
WCJH 110	17.8	36	Dental Hygiene	782
WCAH 177	19.2	36	Classroom	723
WCJH 205	19.2	75	Nursing	1,586

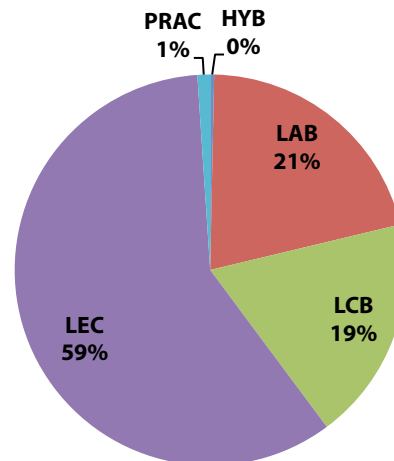
The following classrooms are highly utilized and are scheduled more than 30 hours per week.

Classrooms Scheduled Over 20 periods/week				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
WCAH 106	21.3	52	Tiered Classroom	855
WCC 105	22	23	Classroom	1,110
WCAH 170	22.2	75	Classroom	936
WCJH 207	22.8	75	Nursing	1,611
WCAH 172	24.6	48	Classroom	759
WCAH 100B	26.4	30	Respiratory Care	564
WCB 102	31.2	75	Classroom	1,652
WCAH 100A	32.6	30	Classroom	564
WCC 117	33.75	41	Criminal Justice	969
WCC 111	34.2	23	Classroom	1,220
WCJH 201	45.6	75	Nursing	1,611

What is Taking Place in Classrooms?

What is taking place in classrooms?	
Class Type	Total Periods/Week
Hybrid	2
Lab	96
Lab/Lecture	85
Lecture	271
Practicum	5

Total Pds/Wk of Method taught in Classrooms



Classroom Utilization Update

Classroom Demand Analysis Report

An integral step in classroom planning is to determine the need and number for classrooms of any given capacity. Below is a profile of current class section sizing patterns and is indicative of the classroom sizes necessary to support all of the current departments and programs. By determining the required number of rooms based on the room capacities, classroom demand is generated and deficiencies or surpluses are revealed.

West Campus is currently short in small seminar rooms with a 20 person capacity and large classrooms with a capacity over 40 people. Overall, West Campus is very well balanced in classroom capacity

Amarillo College **West Campus**

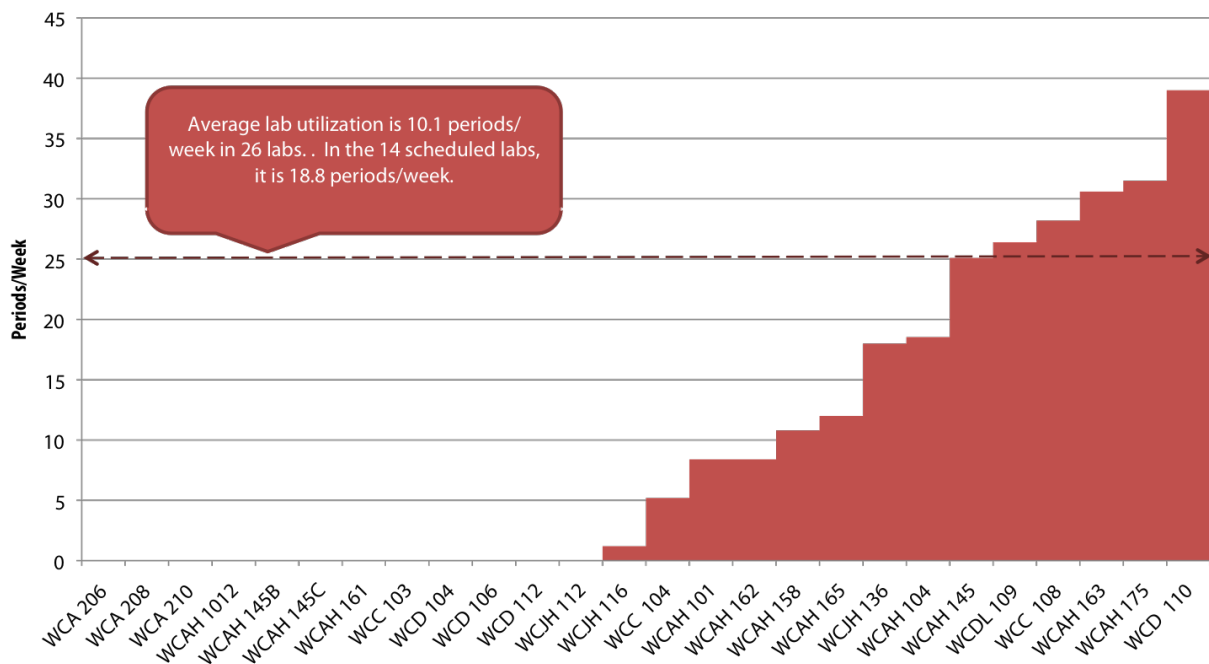
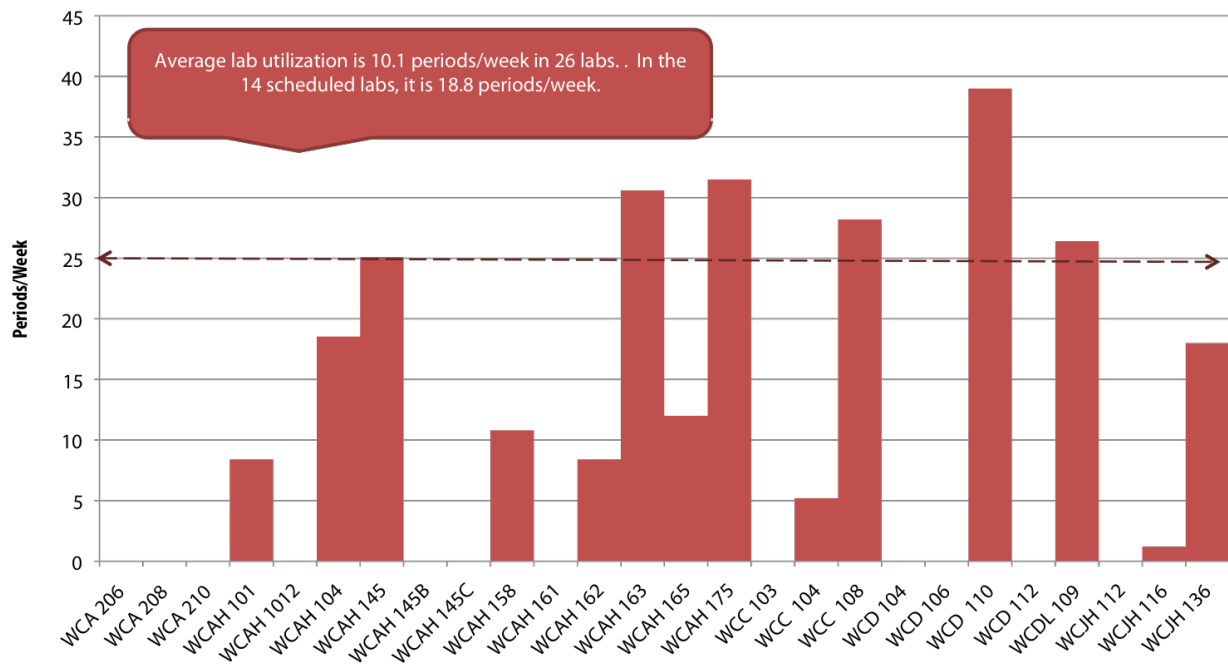
ACADEMIC TERM: **FALL 2010**

Classroom Use Standard (periods/week): **38**

SECTION SIZE	TOTAL SECTIONS	TOTAL WSCH REQUIRED	MAXIMUM ROOM CAPACITY	TOTAL REQUIRED ROOMS	NO. OF AVAILABLE ROOMS	BALANCE
001 - 013	20	55	20	2	0	(2)
014 - 027	93	314	40	9	13	4
028 - 040	44	171	55	5	6	1
041 - 053	19	45	70	2	1	(1)
054 - 068	26	97	90	3	9	6
069 - 088	10	30	110	1	0	(1)
089 - 131	4	9	150	1	2	1
132 - 174	0		200	0	0	0
175 - 196	0		225	0	1	1
	216					
TOTALS	216	721		23.0	32.0	9.0

West Campus Lab Utilization

The following charts detail utilization by lab or class lab on the campus. THECB recommends 25 Hours per week (Dashed line below). Labs that are blank are currently under construction or renovation.



Classroom Utilization Update

Lab Utilization Detail

The following labs are severely under utilized or are not scheduled for various reasons.

Unscheduled Labs				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
WCA 206	0	0	Former Nursing Lab	1,606
WCA 208	0	0	Former Continuing Healthcare Ed.	1,623
WCA 210	0	0	Former Continuing Healthcare Ed.	1,606
WCAH 1012	0.0	1	Respiratory Care Sim Lab	503
WCAH 145B	0.0	10	Radiology	116
WCAH 145C	0.0	24	Radiology	361
WCAH 161	0.0	15	Occupational Therapy	630
WCC 103	0.0	28	Interior Design (No Technology)	1,609
WCD 104	0.0	20	Computer Lab	999
WCD 106	0.0	30	Computer Lab	1,293
WCD 112	0.0	32	Nursing	991
WCJH 112	0.0	21	Dental Hygeine	3,546

The following labs are scheduled less than 20 hours per week.

Labs Scheduled Less than 20 periods per week				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
WCJH 116	1.2	20	Dental Hygeine	1,100
WCC 104	5.2		Mortuary Science Lab	657
WCAH 101	8.4	22	Respiratory Care	691
WCAH 162	8.4	25	Surgical Technology	998
WCAH 158	10.8	20	Nuclear Medicine (shared with Pharmacy)	670
WCAH 165	12.0	25	Exercise Therapy	578
WCJH 136	18.0	36	Dental Hygeine/Lab	1,372
WCAH 104	18.5	36	Med Lab Tech	2,221

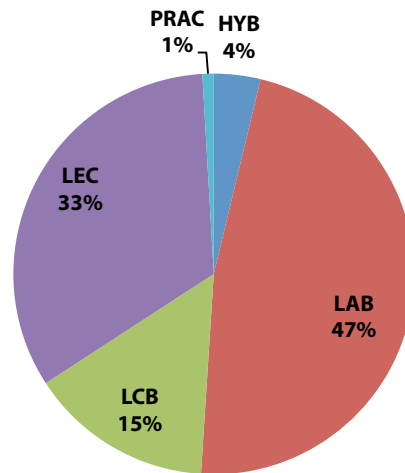
The following labs are well utilized and are scheduled more than 20 hours per week.

Labs Scheduled More than 20 periods per week				
Room Number	Pds/Wk	Capacity	Department or Space Type	SF
WCAH 145	25.1	24	Radiology	560
WCDL 109	26.4	30	Lab School Classroom	757
WCC 108	28.2	28	Biology	1,281
WCAH 163	30.6	16	Occupational Therapy	523
WCAH 175	31.5	24	Paramedic	746
WCD 110	39.0	24	CAD Computer Lab	879

What is Taking Place in Labs?

What is taking place in labs?	
<i>Class Type</i>	<i>Total Periods/Week</i>
Hybrid	10
Lab	124
Lab/Lecture	39
Lecture	88

Total Pds/Wk of Method taught in Labs



West Campus Utilization Findings

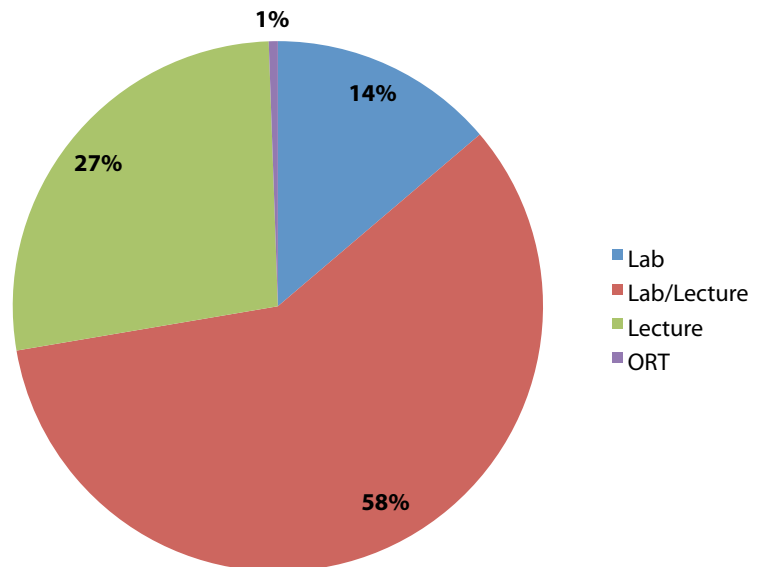
The findings of the classroom utilization show that West Campus is well balanced in the number of classrooms available based on the types and section size of courses taught. New classrooms and labs in Jones Hall and Building B are very well utilized as compared to older classrooms and labs. Building A is currently under utilized; there may be opportunity in the future to re purpose some of Building A's available space for seminar rooms or other classroom deficit needs.

- There are 721 weekly course periods (on average) scheduled in 39 spaces.
- Average classroom utilization is 14.8 periods/week with 458 weekly class periods scheduled in 31 classrooms. (Seven classrooms are currently unscheduled).
- Average lab utilization is 10.1 periods/week with 263 lab weekly lab periods scheduled in 26 labs. (12 labs are currently unscheduled).
- Maximum Enrollment to Actual Enrollment in classes is at an average of 71 percent.
- Actual Enrollment Average (in each scheduled classroom) to Classroom Capacity is 47 percent.

East Campus Utilization

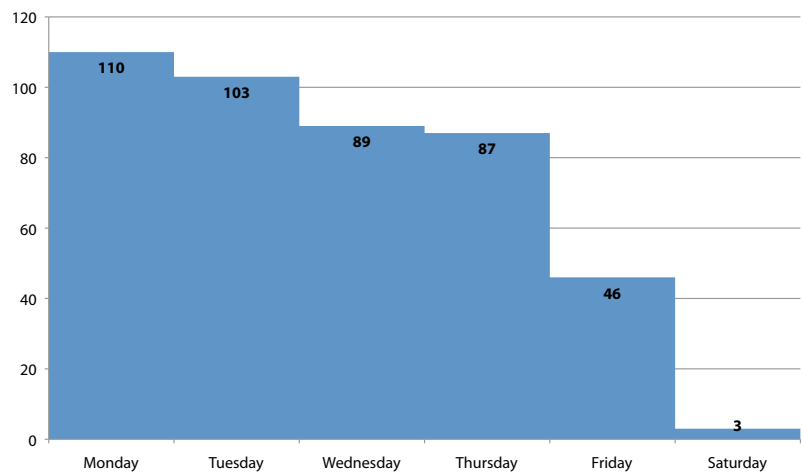
Courses Taught by Method

Because East Campus is a technology and trade campus, most courses taught are primarily lab/lecture combo courses.



Courses in Session by Day of the Week

The East Campus maintains a level schedule throughout the week, although Fridays show lower attendance as scheduled. The busiest day of the week at this campus is Monday.

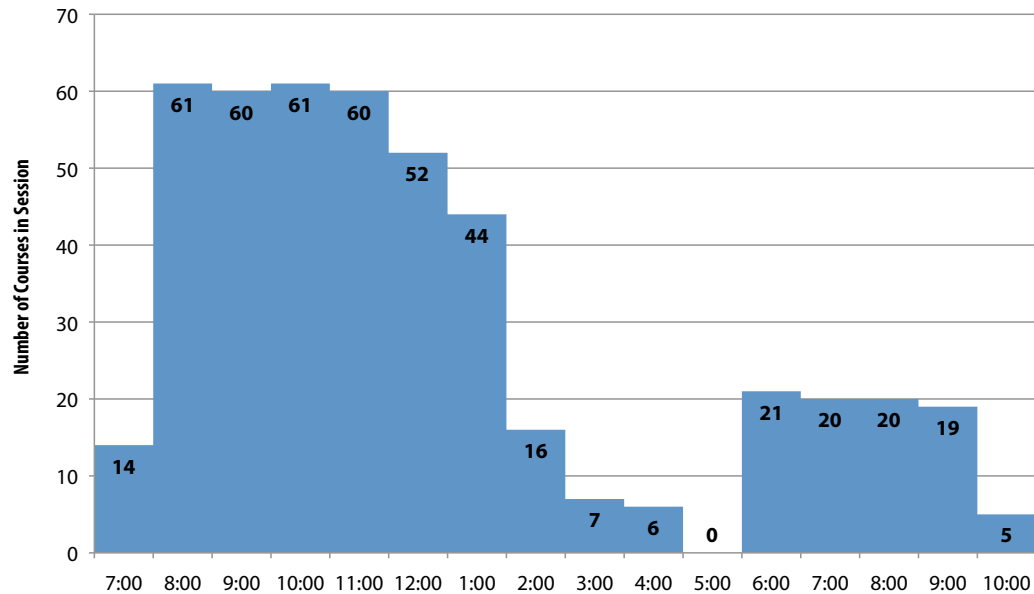


Classroom Utilization Update

Courses in Session by Time of Day

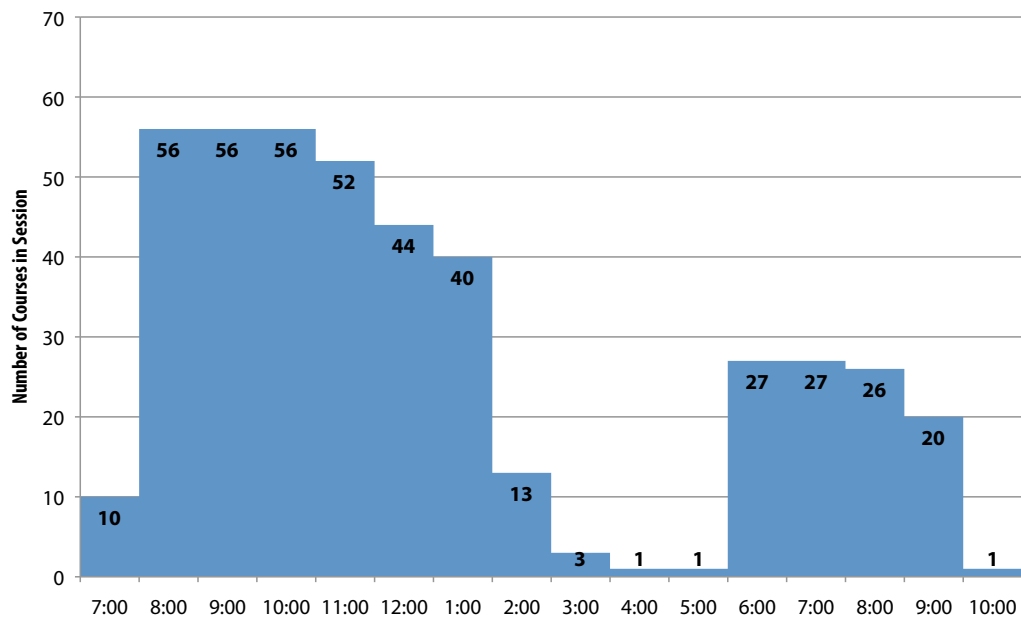
Monday

Most classes on Monday are taught in the morning. East Campus typically has an increased course load in the evenings.



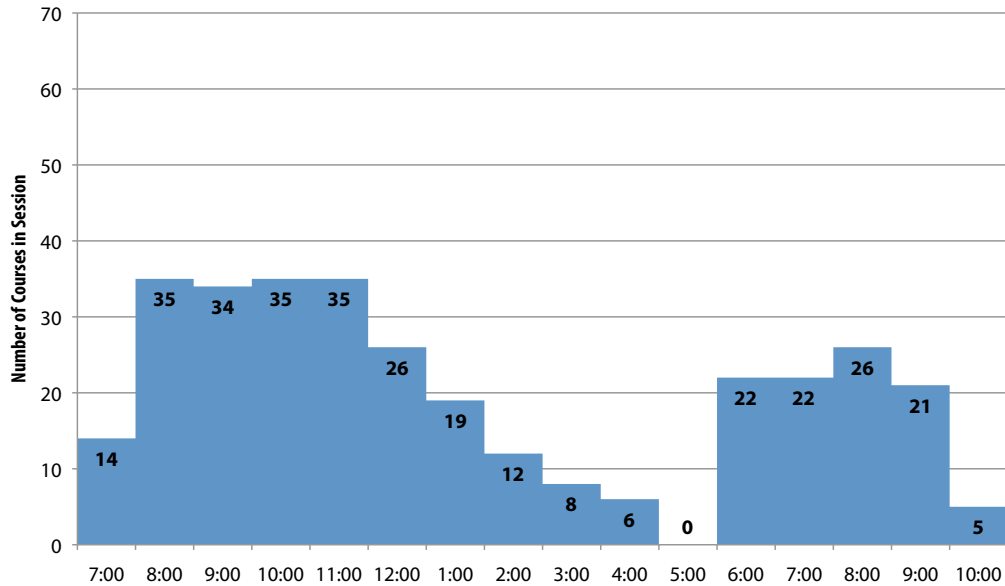
Tuesday

Most classes on Tuesday are taught in the morning, with 8 AM to 10 AM being the busiest.



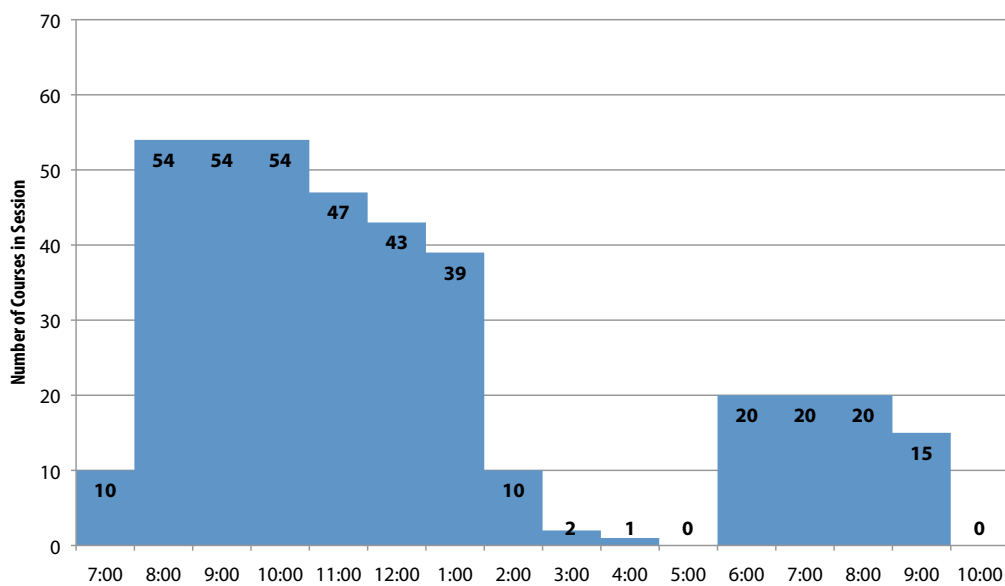
Wednesday

Wednesday is typically slower than other weekdays.



Thursday

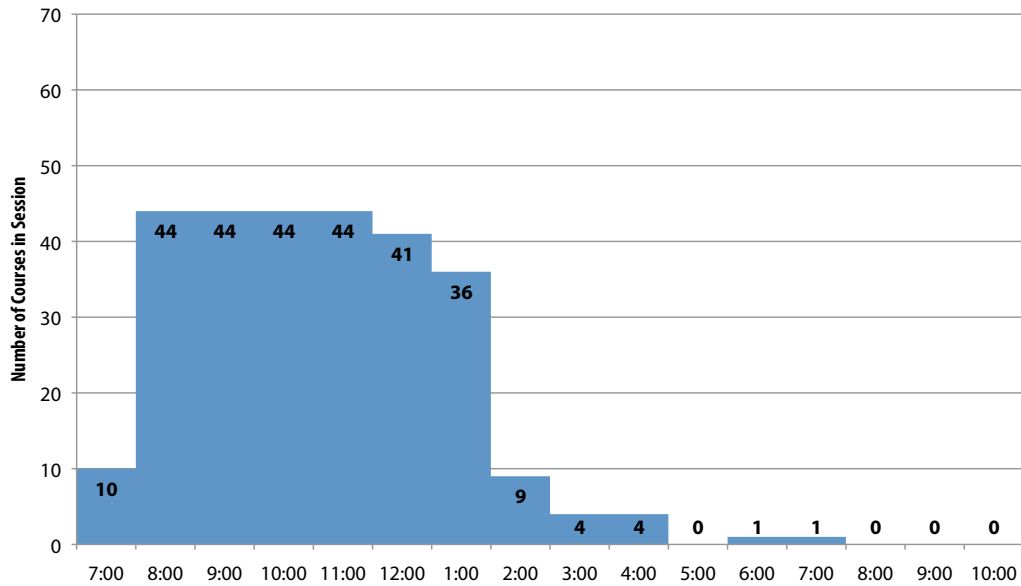
Thursday classes are primarily in the morning.



Classroom Utilization Update

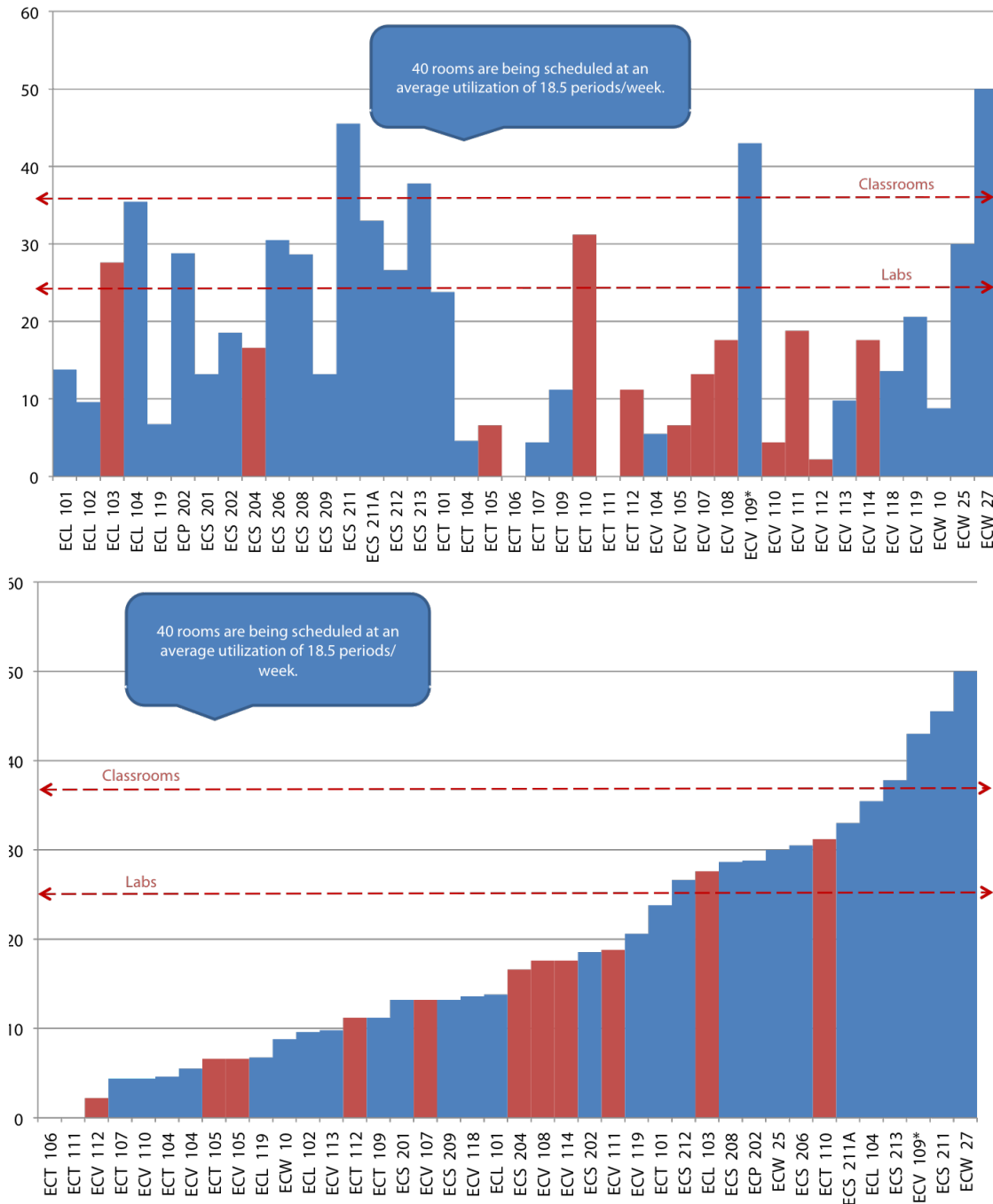
Friday

Most classes on Friday are taught in the 8 AM to 1 PM range.



East Campus Classroom and Lab Utilization

The following charts detail utilization by classroom (blue) and labs (red) on the campus. THECB recommends 38 hours per week for classrooms and 25 hours per week for labs.



* ECV 109 is simultaneously booked by several sections at the same time. This is not counted in the utilization.

Classroom Utilization Update

East Campus Course Method Comparison

The following chart separates rooms used by the types of classes being taught, along with the sections per week of the class type.

LCB Method Only		Lab Method Only		Lecture Method Only		"Multi-Method" Rooms							
Room	Total pds/wk	Room	Total pds/wk	Room	Total pds/wk	Room	LAB Total pds/wk	LEC Total pds/wk	LCB Total pds/wk				
ECL 101	13.8	ECT 104	4.6	ECT 101	23.8	ECL 102	4.8	4.8					
ECL 103	27.6	ECT 105	6.6	ECT 106	0	ECS 201	6.6	6.6					
ECL 104	35.5	ECV 110	4.4	ECT 112	11.2	ECS 202		15	3.6				
ECL 119	6.8	ECV 112	2.2	ECV 113	9.8	ECS 208		3.5	25.2				
ECP 202	28.8	Average	4.5	ECV 118	13.6	ECS 209	3	10.2					
ECS 204	16.6			Average	11.7	ECT 107	2.2	2.2					
ECS 206	30.5					ECT 109	4.4	6.8					
ECS 211	45.5					ECT 110	10.8	20.4					
ECS 211A	33					ECV 104	1.1	4.4					
ECS 212	26.6					ECV 105	2.2	4.4					
ECS 213	37.8					ECV 107	4.4	8.8					
ECW 25	30					ECV 108	8.8	8.8					
Average	27.7					ECV 109		45.4	158.4				
						ECV 111	11	7.8					
						ECV 114	13.2	4.4					
						ECV 119	4.6	16					
						ECW 10	4.4	4.4					
						ECW 27	25.4	25.6					
						Sum	106.9	199.5	187.2				
						Average	27.4						

East Campus Utilization Findings

- There are 906 weekly course periods (on average) scheduled in 40 spaces.
- Average room utilization is 18.5
- Maximum Enrollment to Actual Enrollment in classes is at an average of 66 percent.

Overview

This chapter presents an analysis of the preliminary project costs and the proposed sequence of projects for the 2011 Master Plan Update.

Proposed Projects and Budgets

A list of proposed projects was included in the 2007 Master Plan, along with detailed cost estimates related to each project. Some of these projects are being “carried over” or continued to the master plan update.

Continuing Projects

Some projects have been carried over from the 2007 Master Plan. These include:

- Remodel existing Biology Building (Dutton Hall)
- Fill in existing ground floor Byrd Business Building
- Music Building renovations
- Renovate Lynn Library

Deleted Projects

- Multipurpose Building on Polk Street Campus (Life Enrichment Center)

Modified Projects

Other projects have been carried over from the 2007 plan in modified form because their requirements or design approach have changed. These include:

- Remodel Student Services building
- Remodel existing Building B
- Polk Street site work and parking lot expansion

New Projects

Finally, some projects have been added to the list as new priorities have emerged over the last five years.

- Renovation of the CUB
- Math and Engineering expansion/Durrett Hall renovations
- Gym/Dance expansion/addition
- New Maintenance Building on West Campus

Preliminary Project Cost

Project Cost Estimates

The estimates included below have been based on historical data and other projects recently completed by the college. However, construction costs in recent years have been volatile, making it very difficult to predict costs of projects that may not be started for many years.

Amarillo College					
Summary of Proposed Projects					
Campus Projects	Sq. Ft. per Project	Cost per Sq. Ft.	New Construction	Renovations	Total Costs
Preliminary New Project List Order					
1.0 Byrd Business Ground Floor	@ 11,000 sq. ft.	\$130		\$1,430,000	\$1,430,000
1.0 Parcels Hall Ground Floor	@ 4,400 sq. ft.	\$130		\$572,000	\$572,000
1.5 Polk Street Parking Lot and Streetscape Improvements (Includes small motorcycle training course)			\$1,000,000		\$1,000,000
* 2.0 CUB Renovation				\$500,000	\$500,000
2.0 Library Renovation	@ 64,040 sq. ft.	\$105		\$6,724,200	\$6,724,200
* 2.5 Student Services Building (Financial Aid) Expansion	@ 3,000 sq. ft.	\$100		\$300,000	\$300,000
3.0 Math/Engineering	@ 29,000 sq. ft.	\$100		\$2,900,000	\$2,900,000
4.0 Building B Conference Center	@ 24,425 sq. ft.	\$160		\$3,908,000	\$3,908,000
4.0 New Maintenance Building and Record Storage	@ 8,000 sq. ft.	\$150	\$1,200,000		\$1,200,000
* 4.0 Additional West Campus North Parking			\$225,000		\$225,000
* 5.0 Building C Renovation	@ 8,900 sq. ft.	\$100		\$890,000	\$890,000
* 6.0 Building D Renovation - Convert to Storage Space	@ 4,500 sq. ft.	\$100		\$450,000	\$450,000
7.0 Gym/Dance Additional Expansion (Group Exercise Spaces)	@ 26,000 sq. ft.	\$150	\$3,900,000		\$3,900,000
* 8.0 Demolish Nixon Gym			\$150,000		\$150,000
9.0 New Multi-Purpose Building - East Campus	@ 20,000 sq. ft.	\$150		\$3,000,000	\$3,000,000
* Possible A&I Projects	Total I		\$6,475,000	\$20,674,200	\$27,149,200
Professional Costs					
Bond Sale Fee					
Architectural/Engineering and Programming Fees			\$404,688	\$1,292,138	\$1,696,825
Site Soil Testing					\$10,500
Site Boundary and Topographic Survey					\$9,500
State Handicap Review and Inspection					\$13,400
Printing of Plans/ Specs for Bidding					\$20,000
Materials Testing					\$36,000
Total Fees					\$1,786,225
Furnishings and Technology					
Washington Street Campus					\$3,295,240
West Campus					\$1,289,600
East Campus					\$600,000
Total Furnishings and Technology					\$5,184,840
Hazardous Materials					
Asbestos Surveys					\$175,000
Contingency					\$1,000,000
Total Budget					\$35,295,265



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