

April 30, 2014 Revised May 27, 2014

Program Statement for Central Community College Kearney Center

New Kearney Learning Center





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# **Executive Summary**

Prior to Central Community College's 1966 beginning, the Kearney Center was already in operation. Originating in 1958 as a practical nursing program sponsored by Kearney Public Schools and located within the districts Central Elementary school. In 1966, Central Community College (CCC) opened under the name of Central Nebraska Technical College at the former site of the Navel Ammunition Depot in Hastings, Nebraska. At the time, CCC was the first vocational-technical college which was included multiple counties in its service area. CCC later became known as Central Technical College, then in 1971, the Legislature created the Nebraska Community College System which combined the states junior colleges, vocational/technical colleges and area technical schools. By 1974, the state was divided into six service areas which led to a final name change to Central Community College and a service which includes 25-counties in Central Nebraska.

Today, CCC operates three full-service campuses in Columbus, Grand Island and Hastings and has four primary Learning Centers in Holdrege, Kearney, Lexington and Ord. The Lexington Nebraska Center was established in 1976 with the original intent to serve four western counties and in 1995, the Holdrege Nebraska Center was established to improve service to the southwestern portion of the service area. Most recently, the Ord Nebraska Center was established in 2012 to enhance service to the northwestern area. The CCC central administration is located in Grand Island which supports all operations through centralized business functions. Additionally, the college has a presence in numerous secondary schools and communities to support High School Articulation and Concurrent Enrollment.

CCC has a complex and robust array of offerings with multiple delivery options designed to serve both the urban and rural constituency. Curricular awards including degrees in the Associate of Arts, Associate of Science, Associate of Applied Science as well as diplomas and certificates. Students may choose from 33 career and technical education programs and academic transfer for students that intend to transfer for completion of a bachelor's degree. The college also provides an extensive adult education programs which includes GED and ESL programing along with job specific training in areas such as leadership and technical skills necessary for workforce development.

Meeting the facility needs of all of CCC's programs has been a concern for several years and with the completion of the college's master facilities plan in 2007 the top priority for the Extended Learning Services (ELS) was to enhance services to off-campus students. Significant investments have been made to leverage technology and in 2012 the college launched the Virtual College with a web-based course management system to deliver curriculum. This has led to the ability of students earning course credits regardless of time and distance constraints. CCC has also been a leader in utilizing video broadcast technology to provide courses in real-time to students throughout the service area.

Meeting the facility needs of all of CCC's educational programs has been a concern for several years and with the completion of the college's master facilities plan in 2007 the top priority for the Extended Learning Services (ELS) was to enhance services to off-campus students such as in Kearney. This document will further t define the identified needs and proposed solutions to workforce development in the region. Specifically, student access to advanced manufacturing and other technical training has been limited at the CCC Centers and the economic growth of Kearney is unprecedented for non-metropolitan cities in the state. The top growth areas and careers with the greatest concern due to the growth are welding, machinist, industrial maintenance, quality control, design, information technology, and the health related occupations.

#### Progression of Master Facility Plan

- 2007 Master facilities plan was completed and presented to College Board of Governors for approval.
- Priorities were established and options were reviewed in order to best meet needs.
- For the ELS division the top priorities focused on regional service along with the focusing attention on the growth opportunity for the Kearney Center.
- 2008 Board of Governors approved a measure to ask the citizens of the Central Community College service area for a \$35 million bond to fulfill the needs outlined in the Master facilities plan as well as deferred maintenance. This included the needs outlined for expansion in Kearney Nebraska. The bond issue was defeated.
- 2009 Additional options were reviewed however the priorities were directed toward deferred maintenance and addressing student growth on each of the three campuses.
- Suggested options for expansion of the Kearney Center were presented to the Board of Governors in 2011 with preliminary approval to do additional cost estimates.
- Frequent updates were provided to the College Board of Governors regarding possible land acquisition, collaboration and expansion in Kearney.
- Proposed Program Statement presentation to the CCC Board of Governors April 2014 and anticipated submission to CCPE for approval May 2014.

# Introduction

## 1 • A Background and History

The Practical Nursing program should be credited for growing CCC's presences in the Kearney community. In 1958, this program began under the sponsorship of Kearney Women's Club and Kearney Public Schools. In 1966, Central Community College (CCC) opened under the name of Central Nebraska Technical College in Hastings and later became known as Central Technical College. In 1971, the Legislature created the Nebraska Community College System which combined the states junior colleges, vocational/technical colleges and area technical schools. By 1974, the state was divided into six service areas which led to the Central Community College name and a service which includes 25-counties in Central Nebraska.

In 1970, the Practical Nursing program moved from the elementary school where it first started to the basement of a local church, it was also during this time when the program became part of CCC. In 1987, CCC was notified by the church that building that included the leased space had been sold and the new owners asked that CCC move out by the end of the lease which expired July 31, 1998. At the time of being asked to move out, CCC was offering practical nursing, adult basic education and community education programs in Kearney. In March of 1998, CCC entered into a land purchase contract between Central Community College Foundation (seller) and Central Community College (buyer). The former Hilltop Lanes Bowling Alley was donated to the Foundation through a gift annuity agreement. The building would then be purchased by CCC through a lease-purchase agreement with the foundation. The final payment was made in 2001.

During this time, CCC programs were then moved to a strip-mall and finally to the renovated bowling alley on Kearney's main north-south thoroughfare where the Center is currently located. Today, this location continues to house the Practical Nursing and Associate Degree Nursing program along with two full-time Academic Education faculty, one full-time Regional Coordinator for Extended Learning Services and multiple adjuncts and part-time staff to support adult education, ESL, testing, computer training, individualized courses, Community Education, business and industry training, instructional support and technical support.

The enrollment in the Kearney center has seen a steady enrollment over the years which can be contributed to the addition of services and programing to meet student needs. The main factor that has led to the growth in enrollment was the newly renovated Learning Center which is where the Center is located to this day.

Today, the enrollments in the Kearney Learning Center continue to remain strong and this can be attributed to the growth of the Kearney community. In 2011, CCC entered in to an agreement with Kearney Public Schools (KPS) to collaborate on a Transportation Technology program. KPS sought out this partnership after hearing about a similar collaboration CCC had with Hastings Public Schools. This was in part, due to the lack of Industrial Technology instructors in the state qualified to teach these courses and secondly, because of a desire the high school administration had to introduce more concurrent and dual credit offerings precipitated by the Nebraska Department of Education's reVision of Career and Technical Education (CTE). This point, CCC has limited Early College offerings at Kearney High School (KHS), but the current transportation program will enroll approximately 90 students annually.

Additionally, recent communications with Kearney Public Schools and area employers have identified several gaps in training available in the community. This presents new opportunities for CCC to collaborate in enhancing access to career preparation in areas such as advanced manufacturing. This curriculum is designed to lead to credentialing which is in high demand and in many cases provides some of the highest wages for recent college graduates. New endeavors such as this can also open up access to secondary students interested in manufacturing careers while still in high school.

Expanded collaboration is also possible with the University of Nebraska at Kearney (UNK) which enrolls more than 7000 postsecondary student annually. This student base serves as both a population that CCC can draw from through diverse offerings along with helping to promote all of higher education in the region. In recent years Buffalo county and the Kearney Center has been a leader in CCC enrollment growth college-wide.

The chart below illustrates the enrollment in FTE (Full-time Equivalence) over the last 5 years:

Kearney	2009-10	2010-11	2011-12	2012-13	2013-14*
Center					
Unduplicated Headcount	1140	1184	1081	1020	793
Number of Registrations	3683	3281	2652	2470	2063
FTE's	274.62	264.77	221.10	199.41	169.83
Adult Education Enrollments	139	158	91	103	63

(\* = Year to date)

Both the economic development and educational synergy found in the Kearney community are key factors that support workforce development and in September of 2013, voters approved nearly \$80 million dollars for a new Kearney high school. In order for CCC to meet the growing demands of students and employers in the Kearney region it will be necessary to have required resources such as staffing, facilities, and equipment. The expansion in Kearney must also address the regional employment needs and respond to those students that are under served while closing the training gap in the community.

Non-farm Wage & Salary Employment by Major Economic Sector for Buffalo County (2011):

- 17.3% or 4,509 Trade (Retail & Wholesale)
- 16.8% or 4,378 Government
- 14.3% or 3,713 Education & Health
- 13.4% or 3,495 Manufacturing
- 12.1% or 3,146 Leisure & Hospitality
- 8.4% or 2,191 Professional & Business Services
- 4.7% or 1,223 Natural Resources & Construction

- 4.4% or 1,148 Other Services
- 3.9% or 1,021 Transportation, Warehousing & Utilities
- 3.2% or 837 Financial Activities
- 1.5% or 391 Information Source: Nebraska Department of Labor, Labor Market Information

Based on the Long-Term Industry Employment Projections for the Central Economic Region of Nebraska, which includes the Central Community College service area, the top three growth industries for employment between 2010 and 2020 are:

- 1. Manufacturing
- 2. Health Care and Social Assistance
- 3. Educational Services

CCC has been concerned with addressing the needs of the region for several years and in 2007 the first round of meetings was held gather input from stakeholders. Working with a consultant to facilitate discussions the following career pathways were identified as areas of growth:

- Welding
- Machining
- Blueprint Reading
- Quality
- Geometric Dimensioning and Tolerancing
- Drafting
- Supervisory Skills Training
- Industrial Maintenance

Therefore, the current facilities limit the availability of classroom space, science labs, student study area, computer resources, technology necessary to support distance education, office space to support the growing need for instructional faculty and support staff. Additionally, there is little to no space available for a technical/industrial lab and equipment to support manufacturing, welding, information technology, design technology and other related technical training such as industrial maintenance. Not only is the current space inadequate, but there is also a lack of parking. In many cases the parking lot and lack of parking in the area limits what events can be held at the Kearney Center. These limitations also drastically limit scheduling and in many cases offerings are not desirable to students and other stakeholders in the community.

Lastly, a significant opportunity for all stakeholders in the region rests on growing partnerships and linkages with local high schools. As stated, there is a significant workforce need in the community as the availability of qualified workers to support current positions is stifling economic growth. This is most present in the booming manufacturing sectors, which encompasses much of the existing workforce with many long-term workers nearing retirement. Therefore, through collaboration with entities such as Kearney high school, CCC can leverage current curricular models such as the Career Pathway's for replication in Kearney and put students on a pathway to become career ready.

## **1 • B** Project Description

The project will involve the construction of a building at the site with the size to be determined based on a needs assessment facilitated by the college architects with in this document. Other considerations will be the expansion of services in Kearney based on stakeholder needs, opportunity to collaborate with secondary and postsecondary partners along with other industry patrons.

It is estimated that 15 - 20 acres will be needed to support the initial phase of the building construction with room for two additional phases which will allow for building-out as needed. Therefore, a total of 30 to 35 acres is necessary. Additionally, there is an anticipated need for 400 parking spaces with 8am to 9pm weekday and 8am to 5pm weekend availability.

Ideally, having property adjacent to the new Kearney high school and proximity to UNK will provide an optimum learning environment for the community. With the recent reVision effort conducted by the KPS and the Nebraska Department of Education for Career and Technical Education (CTE), it is apparent that there is a desire for more Early College opportunities. Additionally, CCC has extensive enrollment through the Grand Island Senior High School and it is anticipated that similar agreements can be develop with KPS to create a Kearney Pathways Institute. The administration at KPS has also expressed their desire to have Kearney High School student access to CCC without having to drive great distances, therefore proximity to the high school is an important consideration for this and other reasons found in similar collaborative models around the country.

Another opportunity for growth in Kearney is with the UNK student population. UNK anticipates growth and studies have indicated that community colleges fare well when collaborating with the local University. This has been successful in the past and it is anticipated that students will continue to see CCC as an important part of their college experience in Kearney.

Additionally, the Kearney community has expressed their desire for more educational and training offerings to support workforce development. Numerous letters have been received by CCC seeking this support as these individuals have identified the need for technology-driven training for entry-level manufacturing and related occupations. For example, the Economic Development Council of Buffalo County conducts approximately 35 business retention and expansion interviews per year. The most prominent item brought to their attention is the lack of local technical training. The Nebraska Department of Economic Development has also gone on record to recognize the increasing demands of the Kearney industries and their need for skilled workers. They also stated that the need for off the worksite training that is convenient is across the board the greatest need for manufactures and the ability to commute to Grand Island or Hastings is becoming less feasible. An example of employment training identified by the state for this region includes CNC Operators, CNC Controls, Electrical and Welders.

According to Darren Robinson, President of the Economic Development Council of Buffalo County; "One of our top priorities as an organization is to support Central Community College in any way that we can to encourage vocational training in Kearney. At the National Governor's Conference it was apparent that even in high unemployment areas the available workforce did not possess the skills businesses are demanding. The U.S. is facing a major skills mismatch especially in the trades industry. Trades Kearney desperately needs are welders, tool & die, CNC machine operators, and electrical mechanical technicians. CDL drivers are another area that needs attention."

Lastly, Kearney's location on I-80 is ideal for logistics and transportation related business, both residential and commercial construction remains strong and vibrant, while retail and entrepreneurial business continues to grow. The Kearney community will also be home to the new Nebraska Veterans Home and a second regional hospital recently opened. Not only is Kearney known for having a large employment base in the health care field, but the region is developing a reputation as being strong on Information Technology and there is already significant growth in this direction. The community also has 205 acres identified as TechOne Crossing which is shovel ready and free for development if conditions are met.

# **1 • C** Purpose and Objectives

Purpose and objectives to be accomplished by this project are as follows:

- -Provide additional space to meet workforce and community needs in Kearney and the surrounding region.
- -Provide adequate space for existing and the expansion of career & technical education programs and curriculum including all levels of awards, courses, training, avocational and basic adult education programs. Examples of programing include:
  - o Skilled & Technical Sciences
    - o Advanced Manufacturing Technology
      - Welding
      - CNC Machinist
      - Quality Control and Measurement
      - Mechatronics (Industrial Maintenance)
      - Design Technology
    - Transportation Technology
    - o Construction Technology
  - Business and Industry Training
    - o Customized Job Training
    - o Industrial Safety
    - o Leadership Development
    - o Computer Technology
  - o Business, Marketing, and Management
    - o Accounting
    - o Business Administration
    - o Marketing
    - o Logistics
  - o Communications and Information Systems
    - o Information Technology
    - o Electronics, Computers & Networking Technology
  - Health Sciences
    - o Practical Nursing
    - o Associate Degree Nursing
    - o Nurse Assisting
    - o Medication Aide
  - Agribusiness
  - o Foundations Education
  - o Distance Education
  - o CPR/AED
  - o First Aid
  - o Emergency Medical Services (EMT)
  - o Adult Education
    - o GED
    - o ESL
  - o Community Education
    - o Avocational
  - o Academic Education
    - o Communications

- o Critical Thinking and Problem Solving
- o Life and Career Skills
- o Information and Technology Literacy
- o Global Awareness
- o Meetings and Conference Needs
- -Provide adequate space for existing and proposed Academic Education (General Education) support courses.
- -Provide adequate facilities and equipment for expanded program and course offerings.
  - o Skilled & Technical Sciences
    - o Advanced Manufacturing
  - o Science labs and courses
  - o Applied Sciences and Laboratory Training
  - O Business and Industry training Provide an environment that is similar to the quality and atmosphere that students will encounter in the industry.
- -Provide an environment that promotes collegial teaching and learning.
- -Provide adequate space for learning resources.
  - o Distance Learning Classrooms
  - o Virtual College
  - o Computer Labs
  - o Library
  - o Testing (CBT)
- -Provide space to support community development activities and collaboration.
- -Provide office space for academic advising and curriculum development.
- -Provide space to support Student Services and outreach.
- -Provide administrative and support staff space.
- -Provide adequate parking to serve students, staff and external agencies seeking space for workshops and training meetings.

# Justification of the Project

## 2 • A Data Which Supports the Funding Request

The following is from the NE Department of Economic Development (Nebraska Department of Economic Development, 2008) and Buffalo County Economic Development (2013)

In 2010, the Nebraska Department of Economic Development released the Battelle Study and the overall driver of the state's economy is the diverse set of twelve industry clusters. These clusters are the means by which states and regions compete in a global economy. The primary industry clusters include:

- Agriculture Machinery
- Agriculture & Food Processing
- Biosciences
- Business Management & Administrative Services
- Financial Services
- Health Services
- Hospitality & Tourism
- Precision Metals Manufacturing
- Renewable Energy
- Research, Development, & Engineering Services
- Software & Computer Services
- Transportation, Warehousing, & Distribution Logistics

Of these twelve, five were identified as current strengths, they are:

- Financial Services
- Transportation, Warehousing, and Distribution Logistics
- Precision Metals Manufacturing
- Biosciences
- Renewable Energy

Three other industry clusters that are emerging and strong employment opportunities in Nebraska are:

- R&D and Engineering Services
- Health Services
- Hospitality and Tourism

The remaining four categories were identified as being highly specialized and were not identified as an employment growth area, but it was important to retain and replace positions as needed. They are:

- Agriculture and Food Processing
- Business Management and Administrative Services
- Software and Computer Services
- Agriculture Machinery

The number one challenge that was identified in Nebraska was the need to address the challenges related to the demand and availability of a highly-skilled workforce. The report also identified a need to address modernization and technology deployment to raise the productivity and value added found across Nebraska's industry clusters. Therefore, the need for technology-driven programs will best meet workforce needs.

The report also found a geographic pattern in industry clusters across the state where industry cluster concentration can be found. Kearney and Buffalo county are among the First Class Cities and sits on the I-80 Corridor.



Nebraska Regions for Industry Cluster Analysis From the Battelle Nebraska Competitive Advantage Report

Having a substantial student pipeline in higher education institutions was recognized as a critical component for supplying a state's knowledge workforce and talent base. While graduates of traditional 4-year colleges and universities are extremely critical, additional sets of graduates from community and technical colleges and formal apprenticeship programs comprise the full complement of a high-skilled, trained workforce needed to contribute significantly to increases in innovation and gains in productivity.

"Nebraska works with a variety of businesses, but has targeted certain industries as growth industries for the state. Based on many criteria, certain industries make sense based on

"existing synergies" and for a "knowledge-based, new economy" "The Targeted Industry Study identifies "new economy" industry clusters that lead economic development in the 21st century and "fit" with development in Nebraska. Also, the study identified industries that would increase the average Nebraska wage rate, expand value-added jobs, and broaden the competitiveness of Nebraska's economy.

More specifically, the attributes used to identify industry targets were:

- High growth potential greater growth potential than the national average
- Wealth enhancement pay high wages thereby creating more wealth in the state
- High value-added given Nebraska's centralized location in the U.S., and its proximity to major population centers, high value-added businesses would need to be those less sensitive to transportation costs
- Large investment facilities requiring large investments would be more permanent, remaining longer in chosen locations.

The Kearney, Nebraska Micropolitan Statistical Area (MC) comprises Buffalo and Kearney Counties in the central third of the state. About 52,400 people live on 1,480 square miles of land in this community. About 3,500 of those people are under 5 years old, and about 2,500 are older than 65. The Kearney MC's median household income is estimated at just over \$51,000 per year. Important non-agriculture industry clusters in Kearney include Trade, Transportation and Utilities and Manufacturing and Leisure and Hospitality. The pages that follow contain data that tell the story of the Kearney MC labor market.

Table 8 County Population 1970-2011
Buffalo County and the Surrounding Area

							% Change	% Change
Location	1970	1980	1990	2000	2010	2011	1970-2010	2010-2011
Nebraska	1,485,333	1,569,825	1,578,417	1,711,265	1,826,341	1,842,641	23.0	0.9
Buffalo County	31,222	34,797	37,447	42,259	46,102	46,690	47.7	1.3
Adams County	30,553	30,656	29,625	31,151	31,364	31,216	2.7	-0.5
Custer County	14,092	13,877	12,270	11,793	10,939	10,903	-22.4	-0.3
Dawson County	19,771	22,304	19,940	24,365	24,326	24,388	23.0	0.3
Hall County	42,851	47,690	48,925	53,534	58,607	59,477	36.8	1.5
Howard County	6,807	6,773	6,057	6,567	6,274	6,342	-7.8	1.1
Keamey County	6,707	7,053	6,629	6,882	6,489	6,588	-3.3	1.5
Phelps County	9,553	9,769	9,715	9,747	9,188	9,184	-3.8	0.0
Sheman County	4,725	4,226	3,718	3,318	3,152	3,093	-33.3	-1.9

Source: U.S. Bureau of the Census, Census of Population, April 2012

# 5,000 4,000 3,000

#### Population By Age Group

rce: U.S. Census Bureau, DP05: ACS Demographic and Housing Estimates, 2011 ACS 5-Year
Estimates

Population 3,618 3,530 3,115 4,873 5,367 6,695 6,044 6,884 3,103 2,459 3,240 2,457 1,005

10 to 15 to 20 to 25 to 35 to 45 to 55 to 60 to 65 to 75 to 14 years 19 years 24 years 34 years 44 years 54 years 59 years 64 years 74 years 84 years

isus Bureau programs define age as the length of time in completed years that a person has lived. For most recent decennial census, age was the length of time in completed years that a person had lived as Zensus Day—April 1, 2010. The Census Bureau's national surveys compute age as of the interview date.

2,000

1,000

years

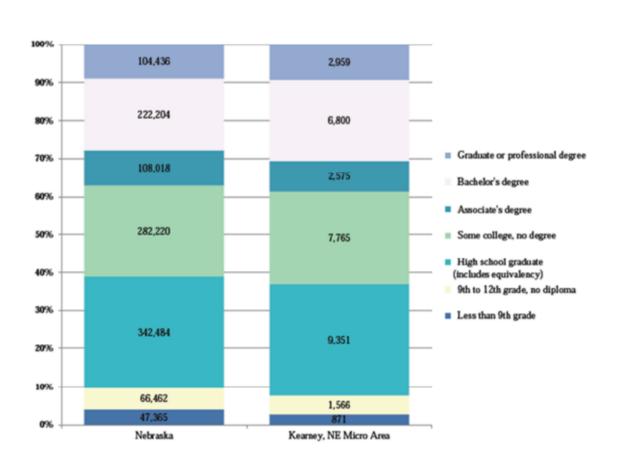
#### Industry Employment By Age Group

INDUSTRY CLUSTER	AGE 65-99	AGE 14-99	% AGE 65-99
Agriculture, Forestry, Fishing and Hunting	42	439	9.57%
Mining, Quarrying, and Oil and Gas Extraction	8	50	16.00%
Utilities	***	166	***
Construction	40	1,213	3.30%
Manufacturing	71	3,804	1.87%
Wholesale Trade	75	1,311	5.72%
Retail Trade	206	3,639	5.66%
Transportation and Warehousing	46	783	5.87%
Information	12	418	2.87%
Finance and Insurance	33	682	4.84%
Real Estate and Rental and Leasing	24	222	10.81%
Professional, Scientific, and Technical Services	36	970	3.71%
Management of Companies and Enterprises	12	566	2.12%
Administrative and Support and Waste Management and Remediation Services	23	595	3.87%
Educational Services	183	2,734	6.69%
Health Care and Social Assistance	158	4,120	3.83%
Arts, Entertainment, and Recreation	20	392	5.10%
Accommodation and Food Services	95	2,779	3.42%
Other Services (except Public Administration)	76	1,089	6.98%
Public Administration	62	1,087	5.70%
Total, All NAICS Sectors	1,230	27,066	4.54%

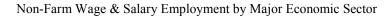
Source: U.S. Census Bureau, QWI Online, 2012 First Quarter Estimates

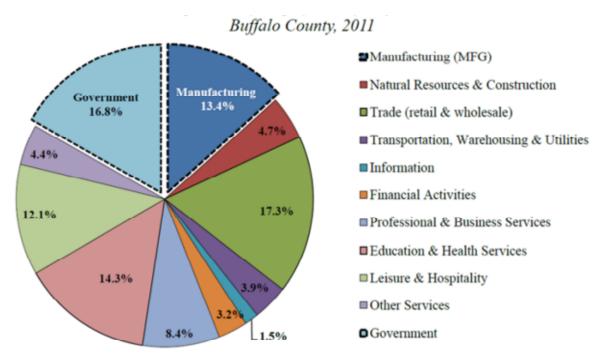
The QWI use a bewildering array of data sources—administrative records, demographic surveys and censuses and economic surveys and censuses. The Census Bureau receives UI wage records and QCEW establishement records from each state participating in the LED program. The Bureau then uses these products to integrate information about the individuals (place of residence, sex, birth date, place of birth, race, education) with information about the employer (place of work, industry, employment, sales).

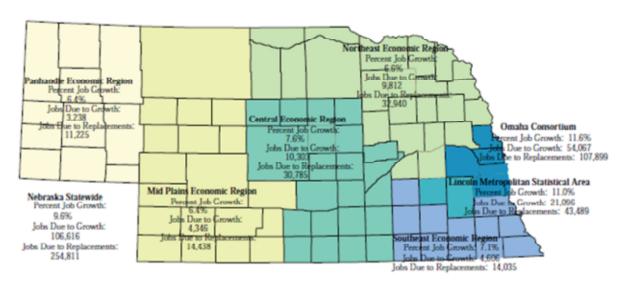
#### Educational Attainment: Population Age 25 and Older



Source: U.S. Census Bureau, DP02: Selected Social Characteristics in the United States, ACS 5-Year Estimates







#### Projected Employment Change by Region 2010-2020

Source: Nebraska Department of Labor, Office of Labor Market Information, Released 2012

Long-term projections are produced every two years and short-term projections are produced every year. Projections are available for Nebraska's seven Economic Regions including the Omaha Consortium and Lincoln MSA. While projections are an excellent source of information, it is important to keep in mind that they are based on historical data and not the actual employment numbers that will occur in the future.

#### 2 • B Alternates Considered

The alternatives that have been considered are:

- Build on a new site to serve CCC needs and collaborative opportunities.
- Collaborate with KPS and build on site that will serve joint needs however they do not have available land at the new site.
- Consider existing spaces in the community; however a survey has determined that
  nothing is available with the expectation of the existing high school, however for
  many of the same reasons that KPS is retiring this building it is not desirable for
  CCC.
- Limit services to the Kearney Region and maintain the current level of service in the current location.
- Continue to limit options and drive more students to the existing campuses and Virtual College.
- Retain existing facility and acquire space elsewhere in the community to accommodate expansion.

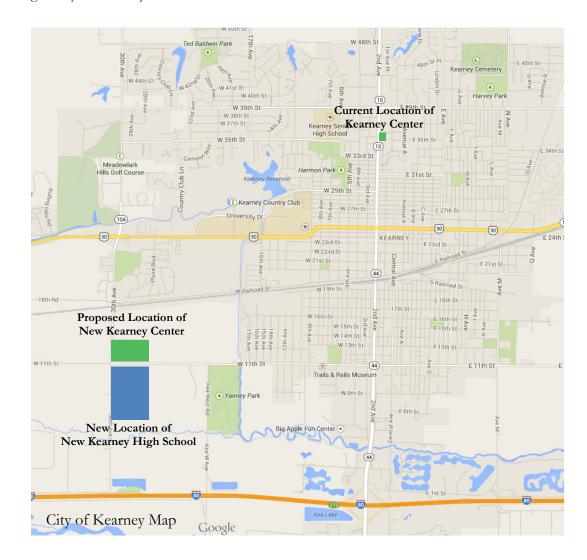
# **Location and Site Considerations**

# 3 • A County

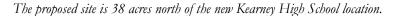
The Central Community College - Kearney Learning Center is located in Buffalo County and in the city of Kearney. Kearney is the county seat of Buffalo county is in the CCC service area between Dawson, Phelps, Kearney, Sherman and Hall counties.

# 3 • B Town and Campus

The Kearney Center is located at 3519 Second Ave. This is on Highway #10 which is the main north-south thoroughfare through Kearney's business and commercial district. The population of Kearney is 31,174 based on 2012 data and it is estimated that the city will grow by 10% each year.



# 3 • C Proposed Site





# 3 • D Influence of Project on Existing Site Conditions

- (1) The proposed location is located in south-western Kearney. The exact location is 30<sup>th</sup> Avenue and 11<sup>th</sup> Street.
- (2) Utilities: Power, water, and sewer lines will be serving the new high school and will be sufficient to meet the needs of a CCC facility.
- (3) Parking and Traffic Circulation: Parking will need to be established but there is a possibility that the proximity to the new Kearney High School will improve student access. The City of Kearney is considering adding streets to improve circulation around this site as well as the new high school.

# **Comprehensive Plan Compliance**

# **4 • A** Year of Comprehensive Plan and Updates

The original Master Facilities Plan was approved by the Central Community College board of Governors and presented to the CCPE in 2006. An update to the plan was approved by the CCC Board of Governors in 2011.

# 4 • B Consistency with Comprehensive Capital Facilities Plan

The need for a new Center facility in Kearney has been ongoing for a number of years. The new facility was included in the updated 2011 Master Facilities Plan as the number 1 priority for the Grand Island Campus.

A master facilities plan was completed for the college, in 2006 and again in 2011 Central Community College Board of Governors employed the architecture firm of Wilkins, Hinrichs & Stober, Kearney NE. to develop both college-wide facility master plans. The current facility does not have adequate space for industrial training, health, and science programs and remains a primary priority.

# 4 • C Consistency with Current Version of CCPE Project Review Criteria

#### Work Force Development and Life Long Learning

The existing and future use of the Kearney Center and proposed new facility complies with the guidelines set forth within the latest revision of the Comprehensive Plan. Specifically in as noted in the Comprehensive plan, Work Force Development, and Life Long Learning: "Higher education in Nebraska will be responsive to the workforce development and ongoing training needs of employers and industries to help sustain a knowledgeable, trained, and skilled workforce in both rural and urban areas of the State".

#### **Partnerships**

The Kearney community has and will continue to offer exceptional opportunities for partnerships. Currently, CCC has partnerships with KPS, UNK, Department of Health & Human Services, Nebraska Department of Education and multiple business & industry partners. "An active partnership between higher education and Nebraska's business sector is essential if the economy of the State is to grow. Coalitions formed by a wide range of leaders can help guide institutions to educate and/or train students for the economic and social realities they will encounter. Community-level partnerships may include joint planning, collaborative research, and cooperative education and training programs"

#### From Community College Role and Mission (CCPE web page)

Many students choose community colleges with the desire to achieve or improve employability quickly. They want specific, job-oriented training that will lead directly to

employment or will upgrade their knowledge and skills. Employment-related courses, complemented by a solid core of general education courses, give community college students the opportunity to enter the workforce and advance successfully in their chosen careers.

# **Analysis of Existing Facilities**

### 5 • A Functions and Purpose of Existing Programs



Central Community College - Kearney Learning Center

The Kearney Center of Central Community College includes distance learning classrooms for satellite and televised classes, an adult education classroom and testing center, two general classrooms, a business and industry training classroom, computer lab, library, practical nursing classroom and lab area, and a testing area.

Educational opportunities available through the Kearney Center include:

- A Practical Nursing program that prepares graduates for licensing and careers as licensed practical nurses.
- College credit classes through the Community Education program offered in collaboration with Kearney Public Schools.
- Individualized college credit classes through learning centers.
- Classes offered through the Virtual College and other distance learning technology.
- Avocational/recreational classes.
- Adult education
- GED high school equivalency diploma classes and testing.
- English as a Second Language classes.
- Certificate, diploma and degree programs.
- Business and professional training.

Certificate, Diploma, and Degree Programs: CCC offers 33 career and technical programs including more than 700 vocational technical and academic transfer college credit courses. Classes are offered by multiple delivery methods, including traditional lecture/lab class setting. Some of the alternative delivery methods used include:

Independent Study: Allows student to work on college credit classes at their own pace using course materials form the campuses. The staff serves as contacts between the student and the campus faculty and administration.

Distance Learning: Uses several state-of-the-art teaching technologies, including video conferencing, satellite broadcast and Internet courses (Virtual College and NVIS) to deliver

college credit courses.

On-line Learning: More than 200 courses needed to complete an associate of arts or associate of science degree are available on-line, in addition to courses from career and technical programs.

Adult Education Program: This program is offered by CCC in cooperation with the Nebraska Department of Education and the federal government. The program is designed to provide the opportunity to gain basic education skills. The program has four major components:

- 1. Adult Basic Education: for those with less than an eighth grade education.
- 2. English as a Second Language: for non-English speaking persons wishing to speak, read and write English.
- 3. High School Completion (General Educational Development GED): for those with less than a high school diploma.
- 4. Living Skills: for adults wishing to improved their basic life skills in consumer economics, health, community resources, governmental and law, and occupational knowledge.

Community Education Program (Avocational/recreational): for students looking for an opportunity to explore and develop skills for personal interest, leisure and recreational activities.

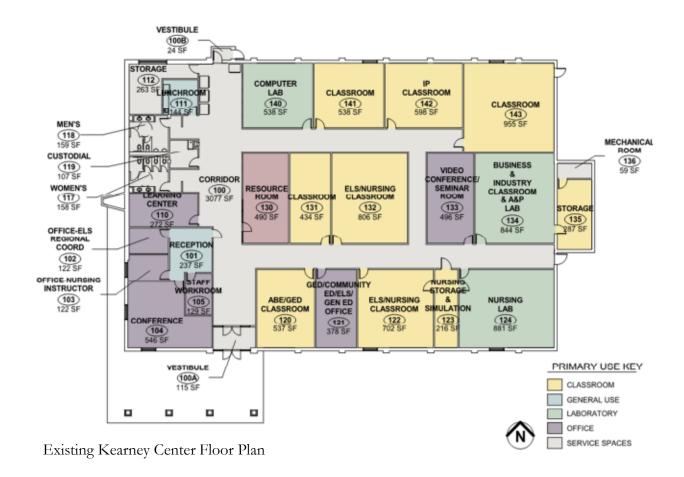
Business and Professional Training: CCC is a primary source of training and education for business, industry, agricultural association, civic groups, governmental agencies, and other organizations within its 25-county service area. College staff provides expertise in their field of study to develop and coordinate specially-tailored short courses, workshops and seminars to meet specific training needs

CCC – New Kearney Learning Center Program Statement

# **5 • B** Square Footage of Existing Areas

# 1. Existing Kearney Center Facility

	Roon	n Sche	dule		
NUMBER	NAME	CAP	PUC	PRIMARY USE	AREA
100	CORRIDOR	0	VVV	CIRCULATION	3077 SF
100A	VESTIBULE	0	VVV	CIRCULATION	115 SF
100B	VESTIBULE	0	VVV	CIRCULATION	24 SF
101	RECEPTION	4	650	GENERAL USE	237 SF
102	OFFICE-ELS REGIONAL COORD	2	310	OFFICE	122 SF
103	OFFICE-NURSING INSTRUCTOR	1	310	OFFICE	122 SF
104	CONFERENCE	18	350	OFFICE	546 SF
105	STAFF WORKROOM		315	OFFICE	129 SF
110	LEARNING CENTER	2	310	OFFICE	272 SF
111	LUNCHROOM		650	GENERAL USE	144 SF
112	STORAGE	0	XXX	BUILDING SERVICE	263 SF
117	WOMEN'S	0	XXX	BUILDING SERVICE	158 SF
118	MEN'S	0	XXX	BUILDING SERVICE	159 SF
119	CUSTODIAL	0	XXX	BUILDING SERVICE	107 SF
120	ABE/GED CLASSROOM	25	110	CLASSROOM	537 SF
121	GED/COMMUNITY ED/ELS/ GEN ED OFFICE	14	310	OFFICE	378 SF
122	ELS/NURSING CLASSROOM	40	110	CLASSROOM	702 SF
123	NURSING STORAGE & SIMULATION	0	115	CLASSROOM	216 SF
124	NURSING LAB	40	210	CLASSROOM	881 SF
130	RESOURCE ROOM	10	410	STUDY	490 SF
131	CLASSROOM	12	110	CLASSROOM	434 SF
132	ELS/NURSING CLASSROOM	40	110	CLASSROOM	806 SF
133	VIDEO CONFERENCE/ SEMINAR ROOM	20	350	OFFICE	496 SF
134	BUSINESS & INDUSTRY CLASSROOM & A&P LAB	40	210	LABORATORY	844 SF
135	STORAGE	0	115	CLASSROOM	287 SF
136	MECHANICAL ROOM	0	YYY	MECHANICAL	59 SF
140	COMPUTER LAB	15	210	LABORATORY	538 SF
141	CLASSROOM	24	110	CLASSROOM	538 SF
142	IP CLASSROOM	24	110	CLASSROOM	598 SF
143	CLASSROOM	32	110	CLASSROOM	955 SF



# 5 • C Utilization of Existing Space by Facility, Room and/or Function

The existing space is utilized to serve students away from their primary campus through a variety of delivery modes. The center also serves students for short-term classes and workshops through adult education, community education and business & industry training.

See Appendix A – Existing Kearney Center Typical Class Schedule (Fall & Spring Term)

# 5 • D Physical Deficiencies

The primary deficiencies would be limited student access to learning space, space to support staff needs and parking. This would include but is not limited to classrooms, science labs, computer labs, testing rooms, distance learning classrooms, nursing and related labs, program specific labs such as manufacturing, information technology, business, health and other spaces as needed in the community.

# 5 • E Programmatic Deficiencies

The current facility is limited by the specialized programmatic features required to teach high demand courses. This limitation prevents students from accessing certain career and technical education courses along with science classes and science labs. The lack of space also requires many students to be place on waiting lists and in many cases they are not able to access courses to meet their program of study needs.

Currently, the Practical Nursing program anticipates the following student waitlist:

- 2013-2015 20 Generic students with 10 Advanced Placement LPN's
- 2014-2016 9 Generic students with 11 Advanced Placement
- 2015-2017 15 Generic students with 5 Advanced Placement
- 2016-2018 13 Generic students with 1 Advanced Placement

The Associate Degree Nursing (ADN) program is a two-year (Five (5) semester) program and currently the Kearney Center accepts students per cohort. This includes ten (10) students in the first year and ten (10) in the second year as Advanced Placement students. The Practical Nursing (PN) is a one-year program (Three (3) semesters) with approximately 20 students being admitted every spring. Currently, the PN program is admitting students for the 2015 year.

The ADN program is currently accepting applications for the 2016-18 school year and based on waitlist numbers anticipates needing to add ten (10) students this year for a total of 30 in the ADN program. This will be the first time the program has had 30 students in the ADN cohort, therefore this will be considered as a pilot to see how well the quality of the program can be maintained considering the limitation on resources including facilities.

The current limitation on facilities is derived from usage which includes one lab which is shared between all of the nursing programs (Nurse Aide, Medication Aide, ADN and PN). There are also only two classroom that is utilized for nursing theory and in the upcoming fall there will be four groups of nursing students at the Center. The spring semester becomes more crowded with the start of the new PN cohort.

Additional limitations include an inadequate Simulation lab as there is a limitation on space for equipment and experiential learning for students. There is also a small supply room to store and do low-fidelity simulation. This room is also shared with Anatomy & Physiology (A&P) to store specimens.

Another program limitation is approved sites for students to conduct clinicals, but there is a new hospital in the final stages of construction and a recent announcement for the new Nebraska Veterans Home to be built in Kearney employing nearly 350 people with construction estimated to be completed in 2018. It is also important to recognize that UNMC is building a new facility in the community but this will only add eight (8) students moving their capacity from 48 to 56 total students. Therefore, the program staff and faculty do not believe the additional eight students will negatively impact the overall access to Clinical sites.

# 5 • F Replacement Cost of Existing Building

If the new site is developed as planned, it is assumed that the existing facility will be sold as surplus. The current insurance value of the existing facilities is \$909,000.00. However, if the new site cannot be developed to meet the initial needs the former site will be repurposed to accommodate a portion of the overall need in the community.

# **Facility Requirements**

## 6 • A Functions/Purpose of the Proposed Program

1. Activity Identification and Analysis (See information in 5.A.)

For several years, CCC students have not had access to science labs without traveling away from the Kearney Center. Alternatives have been considered and in some cases students will take science courses from other institutions, however sharing these resources in the community was determined to be highly unlikely based on scheduling conflicts. Typically, CCC's science courses with labs are offered in two-hour blocks during weekdays between 8am and 5pm. Similarly, science lab facilities with required equipment at local academic institutions are well utilized during times suited to best meet the needs of CCC students. Additionally, the goal of the proposed project is to improve student access to required courses while assisting students with more efficient scheduling options, therefore the best solution is to have science labs within the academic setting where students are enrolled such as the proposed Kearney Center.

The proposed space would be utilized to meet the needs currently being met in the existing facility; however this level of service will increase with the ability to provide more courses and supporting resources to students. Additionally, the expanded space can be utilized to expand the availability of career and technical education programs. Such programing may include a greater use of technology to deliver curriculum through distance education and smart classroom technology. There is also a possibility to expand Early College offerings through a partnership with secondary schools in the community for concurrent and dual-credit courses.

The new facility may also address the need for an expansion of academic courses including sciences and fine arts. Additionally, there is a growing demand for developmental education in the community.

In addition to needing more classroom space there is a need for a larger gathering space for community education workshops and conference requests. Students also have requested more access to computers, computer testing and study areas.

Lastly, the space does not adequately meet the office needs for faculty and staff, therefore the new facility will have a staff workspace for advising students and program development. This space also needs to provide access to college resources that all employees access.

Specific programmatic requests include:

General Education Needs:

- Chemistry lab
- Biology lab
- Four general purpose classrooms one located between the Chemistry and Biology Labs so they can be used for lecture and then go directly into the labs. This also requires a separate prep area, locked Chemistry storage room and mixing room so each "lab" really ends up being about three-four extra rooms.
- Large lecture room to accommodate double science lectures (46 people and sometimes up to 50) that split into two lab times.
- Six distance education classrooms.
- Library

#### Foundations Education Needs:

One classroom/computer lab for classes and tutoring.

#### IP Classroom Needs:

• Three IP classrooms which could each accommodate up to 15 students.

#### Nursing Assistant Needs:

- Three combined classroom/lab.
- NA classrooms.
  - MA classrooms.

#### Nursing Needs (PN and ADN):

- Two labs with 5 beds each.
- Supply rooms.
- Simulation room with nurses' station for Low-fidelity Simulations.
- Minimum of four smart classrooms
- One IP Distance Learning classroom.
- Intercom system and video system.
- Large conference room for meetings and workshops.
- Office space for full-time faculty, program coordinator and adjunct instructors.
- Commons area for students.
- Study area for students.
- Workroom for copy machine and file storage.
- Faculty and staff break room.

#### Business and Industry Training Needs:

- General purpose lab to conduct advanced manufacturing i.e. INDT or WELD classes.
- Classroom to provide soft skills training; could also be utilized as an additional general education classroom when needed.
- CPR, EMR & EMS classrooms.

#### Computer Lab Needs:

• Two labs – one with 15 computers for computer training classes & general student use & one with 25 computers for general student/class assignment use

#### Adult Education Needs:

- Two classrooms.
- Computer Lab.
- Testing area with a Pearson-Vue computer lab.
- Office space.

#### Community Education Needs:

 No additional classroom requested. Community Education classes would be scheduled based on the availability of classrooms already being requested.

#### Meetings/Conference Needs:

- A large room to hold 100 people for meetings, conferences, etc.
- A small conference room to meet with students or small groups of students.

- 2. Projected Occupancy/Use Levels
  - o Personnel projections
  - o Describe/Justify projected enrollments/occupancy

# Kearney Center Program Faculty/Staff

Department	Existing Faculty/Staff FTE	Projected Faculty/Staff FTE	Existing Adjusted Headcount Student FT   PT		Projected Adjusted Headcount Student FT   PT	
Kearney Center Programs						
Health/Faculty	4.0	6.0				
Academic/Faculty	2.0	6.0				
Training	1.0	2.0				
Other Instructors	2.0	3.0				
Administrative	1.0	1.0				
Learning Center Managers	1.5	2.0				
Office and Service	1.0	1.0				
	Г					
Total Faculty/Staff	12.5	21.0	58	32	10	82
		_				

# 6 • B Space Requirements

1. Square Footage by Individual Areas and/or Functions

# Kearney Center General Education

Activity Code #	Space	Room Capacity	S.F. Each	Totals
1.0	Classroom Facilities			
1.1.1	Lecture Hall	60	1,800	
1.1.2	Lecture Hall Storage		150	
1.1.3	General Classroom	32	975	
1.1.4	General Classroom	32	975	
1.1.5	General Classroom – Learn Lab	24	1040	
1.1.6	General Classroom – Learn Lab	24	1040	
1.1.7	Multi-purpose Room	80	1800	
1.1.8	Multi-purpose Room Storage		200	
1.1.9	IP Classroom	15	400	
1.1.10	IP Classroom	15	400	
1.1.11	IP Classroom	15	400	
1.1.12	Seminar Room (small conference room)	16	350	
	То	tal		9,530
2.0	Laboratory Facilities			
2.1.1	Computer Lab	24	800	
2.1.2	Testing Computer Lab	24	800	
2.1.3	Computer Lab with classroom area	32	975	
	То	tal		2,575
3.0	Offices Facilities			
3.1.1	Faculty Suite – Waiting/Student Tutoring	8	200	
3.1.2	Faculty Suite – Office Space (12)		1320	
3.1.3	Faculty Suite – Adj. Office Space (8)		440	
3.1.4	Faculty Suite – Conference Areas (2)	12	300	
3.1.5	Faculty Suite – Work Area/Copy Room		200	
3.1.6	Faculty Suite – Breakroom		300	
	То	tal		2,760
	Total General Educati	on		14,865

## Kearney Center Science and Nursing

Activity Code #	Space		Room Capacity	S.F. Each	Totals
1.0	Classroom Facilities				
1.2.1	Nurses Classroom		32	975	
1.2.2	Nurses Aid Classroom w/ Lab		24	1300	
		Total			2,275
2.0	Laboratory Facilities				
2.2.1	Nurses Aid Testing Area (3)			600	
2.2.2	Nurses Aid Storage			200	
2.2.3	Med Aid Storage			200	
2.2.4	PN / ADN Nursing Lab		24	2140	
2.2.5	PN / ADN Storage			250	
2.2.6	Clean/Soiled Linen			40	
2.2.7	Biology and A/P Lab		24	1275	
2.2.8	Biology Storage/Prep			500	
2.2.9	Chemistry Lab		24	1275	
2.2.10	Chemistry Storage/Prep			500	
2.2.11	EMT Storage			500	
2.2.12	Physics Storage			200	
		Total			7,680
	Total Science a	nd Nursing			9,955

## Kearney Center Business and Industry

Activity Code #	Space		Room Capacity	S.F. Each	Totals
1.0	Classroom Facilities				
1.3.1 1.3.2	Skills Training Classroom General Classroom	Total	32 32	975 975	1,950
3.0	Laboratory Facilities				
3.3.1	Skills Lab – Advanced Manufacturing  - Mechatronics  - Welding Lab  - Machining Lab		120	9,025	
		Total			9,025
	Total Business and Inc	dustry			10,975

## Kearney Center Administration and Common Spaces

Activity Code #	Space	Room Capacity	S.F. Each	Totals
3.0	Offices Facilities	1 2		
3.4.1	Custodial Office		80	
3.4.2	Custodial Storage		150	
3.4.3	Administration Office		180	
3.4.4	Student Service Office		600	
3.4.5	Post-Secondary Partner Office		180	
3.4.6	Staff Office (3 Current + 2 Traveling & Future)		110	550
	Total			1,740
6.0	General Use Facilities			
6.4.1	Vending Area		50	
6.4.2	Reception/Service Area		400	
6.4.3	Secure File Room		250	
6.4.4	Workroom		200	
6.4.5	Shipping/Receiving		300	
	Total			1,200
7.0	Supporting Facilities			
7.4.1	Student Commons / Study Area		1500	
7.4.2	Central Printing/Duplicating/Reception		350	
7.4.3	Central Supply Storage		80	
7.4.4	Bike Storage		100	
7.4.5	Equipment Storage		300	
	Total			2,330
	Total Admin and Common Space			5,270

TOTAL KEARNEY CENTER BUILDING (Net)	41,065
TOTAL KEARNEY CENTER @ 65% Efficiency	63,177

## 6 • B Space Requirements (cont.)

#### 2. Basis for Square Footage/Planning Parameters

Square footage projections are based on input provided by the college dean, associate dean, and department/program faculty and staff. The department/program reviewed its current needs and the anticipated growth or changes affecting their curriculum. Room types and square footages were then calculated based on need and economy while taking into consideration the Coordinating Commission for Postsecondary Education and the University of Nebraska space guidelines for any similar areas.

3. Square Footage Difference Between Existing and Proposed Areas (net and gross)

Space	Existing Sq Ft	Proposed Sq Ft
Lecture Hall	Emoung 841 t	1,800
Lecture Hall Storage		150
General Classroom	538	975
General Classroom	434	975
General Classroom – Learn Lab	955	1040
General Classroom – Learn Lab	537	1040
Multi-purpose Room	490	1800
Multi-purpose Room Storage		200
IP Classroom	598	400
IP Classroom	378	400
IP Classroom		400
Seminar Room (sm. conference room)	496	350
Computer Lab	538	800
Testing Computer Lab		800
Computer Lab with Classroom Area		975
Faculty Suite – Waiting/Student Tutoring		200
Faculty Suite – Office Space (12)	244	1320
Faculty Suite – Adj. Office Space (8)		440
Faculty Suite – Conference Areas	546	300
Faculty Suite – Work Area/Copy Room	129	200
Faculty Suite - Breakroom	144	300
Nurses Classroom	806	975
Nurses Aid Classroom w/ Lab	702	1300
Nurses Aid Testing Area (3)		600
Nurses Aid Storage		200
Med Aid Storage		200
PN/ADN Nursing Lab	881	2140
PN/ADN Storage	216	250
Clean/Soiled Linen		40
Biology and A/P Lab		1275

Space	Existing Sq Ft	Proposed Sq Ft
Biology Storage/Prep	8 1	500
Chemistry Lab		1275
Chemistry Storage/Prep		500
EMT Storage		500
Physics Storage		200
Skills Training Classroom		975
General Classroom		975
Skills Lab – Advanced Manufacturing	844	9,025
Custodial Office		80
Custodial Storage	107	150
Administration Office		180
Student Service Office	272	600
Post-Secondary Partner Office		180
Staff Office (5)		550
Vending Area		50
Reception/Service Area	237	400
Secure File Room		250
Workroom		200
Shipping/Receiving		300
Student Commons / Study Area		1500
Central Printing/Duplicating/ Rec.		350
Central Supply Storage	287	80
Bike Storage		100
Equipment Storage	263	300

Totals	Existing Sq Ft	Proposed Sq Ft
Total Net Square Footage	10,642	41,065
Total Gross Square Footage	15,387	63,177
Building Efficiency	69%	65%

Note: The proposed Industrial/Advanced Manufacturing space was developed utilizing the same parameters used with the development of the Grand Island Public Schools Careers Pathways Institute (CPI). CCC faculty and staff were directly involved with the CPI project which was based on CCC credit courses, industry training needs, Early College offerings and required equipment.

# 6 • C Impact of the Proposed Project on Existing Space

#### 1. Reutilization and Functions

The existing space that was occupied by Extended Learning Services (ELS), Allied Health and Adult Basic Education programs and will be sold as surplus property once the new facility is completed.

#### 2. Demolition

No demolition is anticipated.

#### 3. Renovation

See #1.

# **Equipment Requirements**

# 7 • A List of Available Equipment for Reuse

The majority of the existing equipment will be reused, but additional equipment is anticipated to meet student demand. This consists of the following:

- Specialized lab equipment
- Furniture
- Training equipment
- Computers

#### 7 • B Additional Equipment

The project will require new equipment as described below:

- o Library shelving, tables, and seating
- o Specific industrial equipment
- o Compressed air system
- o Health and Safety systems

#### Skilled and Technical Sciences

- o Advanced Manufacturing Center
  - o 15 welding stations \$150,000 (Equipment only)
  - o 1 CNC plasma cutting table \$35,000
  - o 6 lathes \$45,000
  - o 6 mills \$45,000
  - o 1 CNC mill \$21,000
  - o 1 CNC lathe \$21,000
  - o 6 station Mechatronics lab. Festo 160,000
  - o Hydraulics \$26,000
  - o Pneumatics \$26,000
  - o Programmable logic \$14,000
  - o Mechanical drives \$15,000
  - o Pick and place robotics \$34,000
  - o Conveyor system \$38,000

#### Health Sciences

- o Nursing Equipment
  - o 5 Nursing Beds (Areas by the beds to be set up with suction and oxygen as they are in the GI lab area/hospital) \$25,000
  - o 10 Low Fidelity Simulators \$70,500
  - o 5 Bedding sets \$500
  - o 2 IV Pumps \$5,100
  - o 4 Curtains between beds \$1,000
  - o 1 Vital Signs Assessment, SAM \$13,500
  - Storage cabinets \$8,000
- o Nurse Assisting
  - o 5 Nursing Beds \$25,000
  - o 5 Manikins \$7,500
  - o Curtains between beds \$1,000
  - Storage cabinets \$5,000

#### **Business Technology**

- o IT equipment
  - o 3 Computer Labs \$60,000
  - o Networking Equipment \$50,000
  - o Student computer desks \$18,000

# **Special Design Considerations**

# 8 • A Construction Type

The new facility will be of materials and design consistent with local building codes and surrounding construction aesthetics.

The building structure will be steel joist roof structure on steel post and beam framing. Exterior skin will be metal stud with continuous R-19 exterior insulation. The finishes on the exterior will be masonry and EIFS. Roof construction will be single ply adhered membrane roofing on R-38 rigid insulation.

Site construction will include all parking, landscaping, and utilities necessary to support the initial phases of construction.

#### 8 • B Heating, Cooling and Information Technology Systems

#### Heating, Cooling and Plumbing Systems

The design and installation of all heating, cooling and plumbing systems and devices will be in accordance with relative portions of the following Codes and Publications and others as applicable:

National Fire Protection Association (NFPA) Codes International Building Code (IBC) American National Standards Institute (ANSI) Standards Underwriters Laboratories, Inc. (UL) International Energy Conservation Code (IECC) All governing Local Codes and Standards:

Design Considerations:

Outdoor Winter Dry Bulb: Minus 10°F

Outdoor Summer Coincident Dry Bulb/Wet Bulb: 97°F/74°F

Indoor Design Temperatures: Winter 72°F

Indoor Design Temperatures: Summer (mechanical ventilation with outdoor air)

Mechanical systems will be designed to comply with current State and National Codes and Standards.

A water service main to support an automatic fire sprinkler system for the additional building will be installed. Appropriate backflow prevention devices will be installed.

A water service main for potable domestic water will be installed. Appropriate backflow prevention devices will be installed.

A sanitary service main for draining liquid waste from the facility will connect to the existing system. The work bay area will be provided with a drain system(s) routed through an oilwater interceptor to separate contaminants prior to discharging to the sewer main.

Restrooms will be installed with fixtures of type and quantity to meet International Building Code and ADA Requirements. Water and sewer piping will connect the fixtures to the sanitary sewer and domestic cold and hot water serving the facility.

Heated domestic water will be provided for hand washing and miscellaneous cleaning requirements within the facility via electric or natural gas fuels depending upon the area of the facility and the demand.

## 8 • B Heating, Cooling and Information Technology Systems (cont.)

A drainage system, consisting of either interior or perimeter roof drains, connecting to perimeter or interior vertical risers, or external downspouts will be provided. As applicable, an overflow drainage system installed to meet current building Code.

#### Electrical

The design and installation of all electrical and information technology systems and devices will be in accordance with relative portions of the following Codes and Publications and others as applicable:

National Electrical Codes: NFPA No. 70-2005 Edition National Fire Protection Association (NFPA) Codes National Fire Alarm, NFPA No. 72-2002 Edition International Building Code (IBC) Uniform Fire Code (UFC) American National Standards Institute (ANSI) Standards Underwriters Laboratories, Inc. (UL) International Energy Conservation Code (IECC) Illuminating Engineering Society (IES) Handbook All governing Local Codes and Standards

Receptacles for computer loads will be served from dedicated sub-panels with transient voltage surge suppression for increased protection of voltage sensitive loads in these areas.

#### 8 • B Heating, Cooling and Information Technology Systems (cont.)

Illumination will be based on the use criteria for each space.

Emergency illumination will consist of wall mounted battery packs with remote heads. LED exit signs with integral battery backup will be provided at all required exits.

The exterior building mounted lights will be the campus standard with a high pressure sodium source.

The fire alarm control panel will be addressable and connected to the campus fiber optic fire alarm network. Building detection and notification will comply with current NFPA codes and ADA guidelines.

#### **Information Technology**

The building data system will be served by the adjacent fiber optic network. Data cabling within the building will comply with Category 6 performance requirements of the EIA/TIA-568-B.2 standard which specifies a minimum bandwidth of 200 MHz. Support for wireless access points will also be provided.

The telephone system will be cabled as category 6 to allow the outlets to be cross connected for telephone or data.

## 8 • C Life Safety/ADA

Life safety and ADA issues will be addressed in the construction and will meet current accessibility guidelines and life safety codes for buildings and facilities of this type. Fire sprinkler and detection systems will be installed.

#### 8 • D Historic or Architectural Significance

No historic or architectural significance is necessary for this project.

#### 8 • E Artwork

No artwork is anticipated for this project.

## 8 • F Phasing

The project will take in to account a one to three phases of construction to accommodate expansion over time.

#### 8 • G Future Expansion

Future expansion of the building will be anticipated in the construction design.

#### 8 • H Other

Not applicable.

# **Project Budget and Fiscal Impact**

#### 9 • A Cost Estimate Criteria

- Sources used to develop the cost estimate including data compiled from recent projects completed on the CCC campus, input from general contractors and the R.S. Means Cost Estimating Guide.
- 2. The cost estimate will be completed and presented to the CCC Board of Governors prior to finalizing design and construction.
- 3. A net square footage of 41,065 programmed space was used for estimating purposes with a building efficiency of 65%. The total Gross Square Footage of the project is 63,177.
- 4. Building Cost per Gross Square Foot \$224
- 5. Construction Cost per Gross Square Foot \$277
- 6. Total Cost per Gross Square Foot \$346

# **Project Budget and Fiscal Impact**

## 9 • B Total Project Cost

#### CENTRAL COMMUNITY COLLEGE PROJECT COST ESTIMATE

CCC Kearney Center Project: New Kearney Center Annual Inflation Rate: 3.5% Date of Estimate: April 11, 2014 Midpt, Construction Date: August 2017

	Curren	t Costs	Total % Inflation to Midpt. of		ated ost
	10/8/	2012	Construction	7/15/	2013
construction costs     Architectural     MEPFP	7,581,240 5,054,160		12.15% 12.15%	8,502,540 5,668,360	
SUBTOTAL (Items 1a-e)		12,635,400			14,170,899
2. UTILITIES (beyond 5 line)		150,000	12.15%		168,229
3. SITE WORK					
a) Site Prep & Removal	14,940		12.15%	16,756	
b) Grading & Earthwork     c) Site Improvements	358.780 851.830		12.15% 12.15%	402.380 955.347	
d) Planting & Irrigation	166,680		12.15%	186,936	
Subtotal (a-d)	100,000	1,392,230	12:1070	100,000	1,561,419
SUBTOTAL (Items 1-3)		14,177,630			15,900,547
4. CONTINGENCY	_	1,417,763	12.15%	_	1,590,055
SUBTOTAL CONSTRUCTION COSTS (items 1-4)		15,595,393			17,490,601
5. MOVABLE EQUIPMENT					
a) Food Service Equipment	0		12.15%	0	
b) Furniture, Signage, Artwork	631,770		12.15%	708,545	
TOTAL MOVABLE EQUIPMENT		631,770			708,545
6. SPECIAL AND TECHNICAL EQUIPMENT					
a) AV Equipment	568,593		12.15%	637,690	
b) Teaching Equipment	820,100		12.15%	919,762	
TOTAL SPECIAL AND TECHNICAL EQUIP.	_	1,388,693		_	1,557,452
7. LAND ACQUISITION	_	0		_	0
8. PROFESSIONAL SERVICES					
<ul> <li>a) Architectural/Engineering Services 8%</li> </ul>	1,247,631		12.15%	1,399,248	
b) Reimbursables	25,000		12.15%	28,038	
c) Food Service Equipment Consultant	0		12.15%	0	
d) Consultants     e) In-House Services	150,000		12.15% 12.15%	168,229 0	
f) Construction Administration	o		12.15%	0	
g) Other Services	0		12.15%	0	
TOTAL PROFESSIONAL SERVICES (Items 8a-f)		1,422,631			1,595,515
9. SPECIAL ARTWORK (Percent for the Arts)	_	0	12.15%	_	0
10. OTHER COSTS					
a) Insurance: 1) Professional Liability	0		12.15%	0	
2) Builders Risk	38.988		12.15%	43,727	
<ul> <li>b) Soils Tests, Surveys, etc.</li> </ul>	15,000		12.15%	16,823	
c) Moving and Relocation Costs	25,000		12.15%	28,038	
d) Other (specify)	0		12.15%	0	
TOTAL OTHER COSTS (Items 10e-d)	_	78,988		_	88,587
SUBTOTAL (items 5-10)		\$3,522,083			\$3,950,099
11. CONTINGENCY	_	352,208	0.00%	_	395,002
SUBTOTAL NON-CONSTRUCTION COSTS (items 5-11)		3,874,291			4,345,101
TOTAL PROJECT COSTS (Items 1-11)		\$19,469,684			\$21,835,702

# 9 • C Fiscal Impact Based on First Full Year of Operation

## **Kearney Center Facility**

Physical Plant	
a. General Administration	0
b. Physical Plant Administration	32,550
c. Building Maintenance	90,520
d. Custodial	65,906
e. Utilities	100,874
f. Landscape & Grounds	13,268
Subtotal	303,118
Support Services	
a. Communications/Telephone	24,000
b. Security/Police	18,000
c. Mail Service	6,000
d. Insurance	35,000
e. Environmental Health & Safety	7,5000
Subtotal	90,500
TOTAL	393,618

# **Funding**

# 10 • A Total Funds Required

## 10 • B Project Funding Sources

Facilities Corporation Bonds \$4,000,000 Capital Improvement 2014-15 \$3,000,000 Capital Improvement 2015-16 \$3,000,000 Major Gifts Campaign \$11,835,702

## 10 • C Fiscal Year Expenditures for Project Duration

FY -2015-16	4,000,000
FY -2016-17	8,000,000
FY -2017-18	9,835,702

TOTAL \$21,835,702

Reference next page for future bond schedule.

Total Debt Service Year	1,059,015.53 2015	1,254,698.75 2016 1,226,065.00 2017 1,222,225.00 2018 1,216,295.00 2019	6,520,439.07 6,520,439.07 13,290,760.13 19,811,199.20	11,800,000.00 0.00 1,216,295.00 13,016,295.00	00 100 100 3
anced 2003 Fac.	494,590.00 247,295.00	247,295.00 0.00 0.00 0.00	FY 2018 5,860,154.86 6,5 12,082,509.21 17,942,664.07 19,8	10,200,000.00 0.00 1,222,225.00 11,422,225.00	6 520 439 07
Health Science Gl Refin 20098 Corp	3,600,000.00	210,247.50 288,622.50 289,072.50 289,077.50	FY 2017 5,302,120.58 10,984,099.28 16,286,219.86	9,200,000.00 0.00 1,226,065.00 10,426,065.00	20 821 020 3
Health Science GI 2009A	4,310,000.00 263,777.50	262,102.50 340,277.50 340,207.50 339,672.50	FY 2016 4,591,274.53 9,985,544.80 14,576,819.33	5,020,000.00 3,000,000.00 1,254,698.75 9,274,698.75	5 303 130 50
Health Science GI 2009C	2,560,000.00 221,445.53	237,142.50 296,342.50 294,522.50 291,922.50	FY 2015 4,591,274.53 9,077,768.00 13,669,042.53	5,018,752.47 3,000,000.00 1,059,015.53 9,077,768.00	A 501 374 53
	4,000,000.00	5 297,911.25 7 300,822.50 8 298,422.50 9 295,622.50	FY 2014 7,485,318.00 7,243,260.00 14,728,578.0	9,264,560.47 0.00 872,743.00 10,137,303.4	4 504 774 53
Future Kearney Bond**	Principle Fiscal payments 2015	2016 2017 2018 2019	Revenue Fund balance Property Taxes* Total Funds	Expenses Capital Expenditures 9,264,560.47 Future Kearney 0.00 Project Debt Service 872,743.00 Total Funds 10,137,303.4	Control Met

\* Estimated property tax at 10% for years 2016 - 2019 (2015 from recent estimates)
 \*\* Estimated Debt Service from Ameritas Investment Corp projections dated 4-21-2014 as a 20 year life.

# **Time Line**

# 11 • A Time Line

Board approval of Program Statement	05-2014
CCPE program statement submitted/approval process	05 to 07-2014
Board reviews Feasibility Study	06-2014
Board approval to begin Capital Campaign	07-2014
Capital Campaign Begins	08-2014
Capital Campaign Progress review	07-2015
RFQ sent out for Architect/Design team submittals	07-2015
Board approves selection of Architect	09-2015
Schematic and Design Development Process	10 to 12-2015
Final design/bid documents	01 to 04-2016
Final review of prints/specification	05-2016
Project out for Bid	06-2016
Bid letting	07-2016
Capital Campaign Ends	08-2016
Board approval of Bid/Project/Contractor/Funding	08-2016
Construction	9-16 to 06-18
Mid-point of Construction	08-2017
Substantial Completion	06-2018
Furniture/Equipment Installation	07-2018

# **Higher Education Supplement**

#### 12 • A CCPE Review

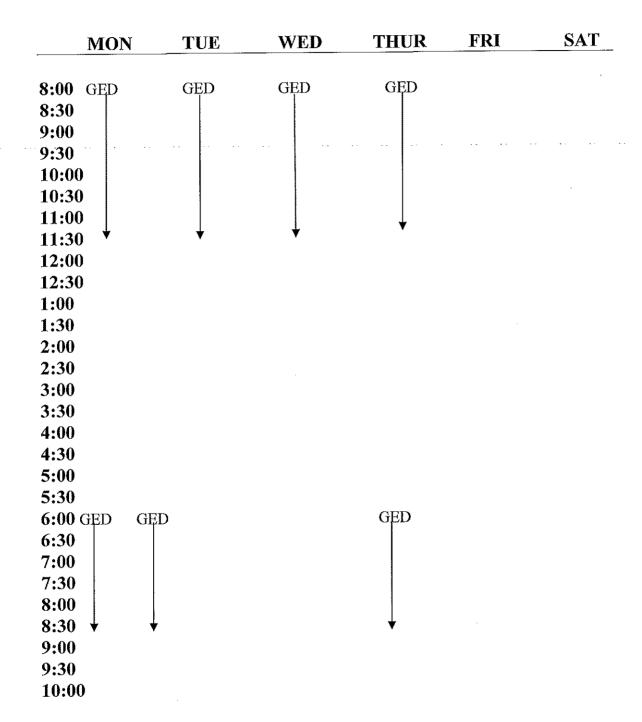
Review by the Coordinating Commission for Post-Secondary Education is required for this project.

## 12 • B Method of Contracting

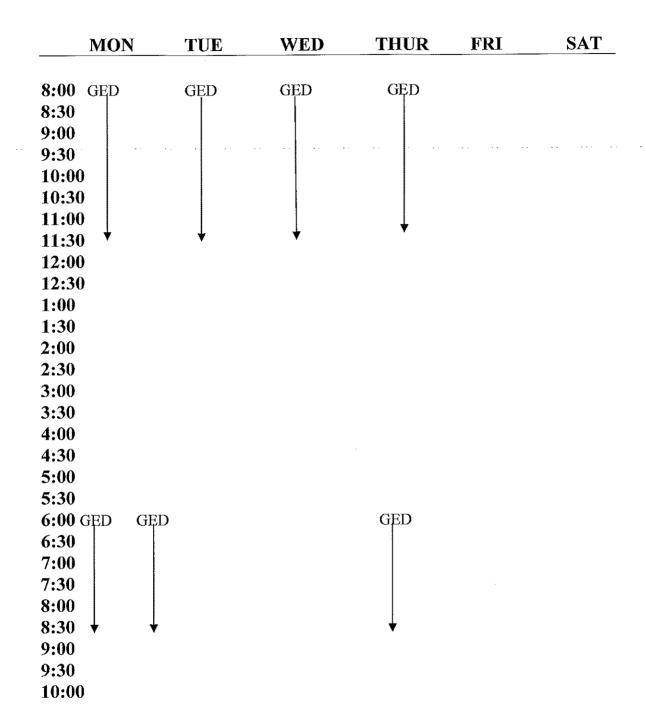
The proposed method of contracting will be design/bid/build by a general contractor with a guaranteed maximum price (CM/GMP). This method was selected because of the scope and budget of the project. The current competitive construction market and the building type also favor this type of delivery method.

# Appendix A

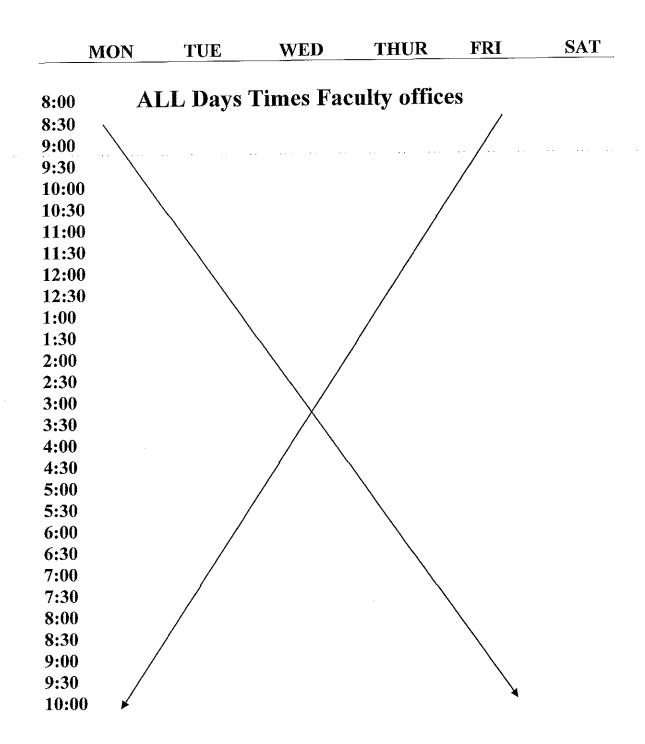
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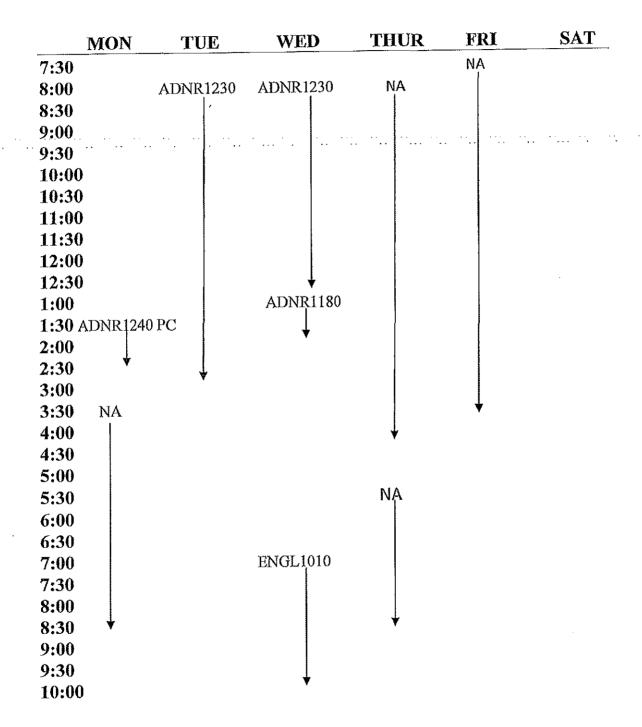
ROOM 120 SPRING 2014



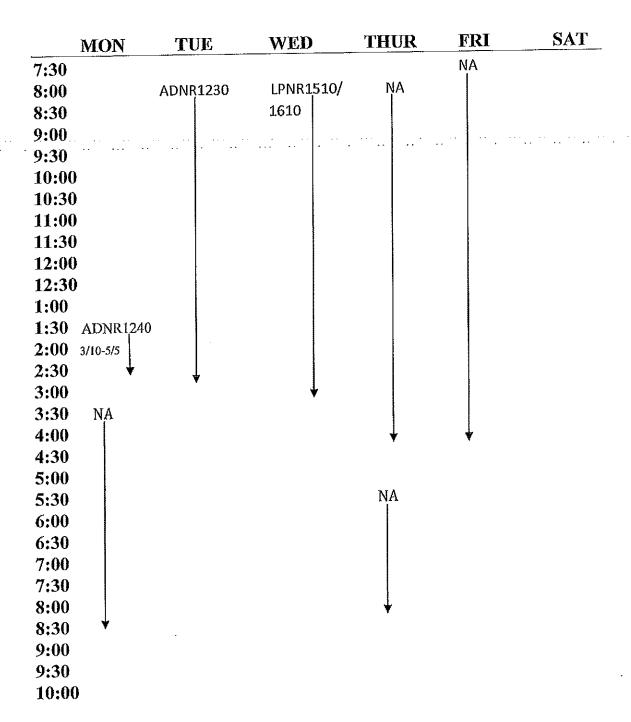
**ROOM 121** 



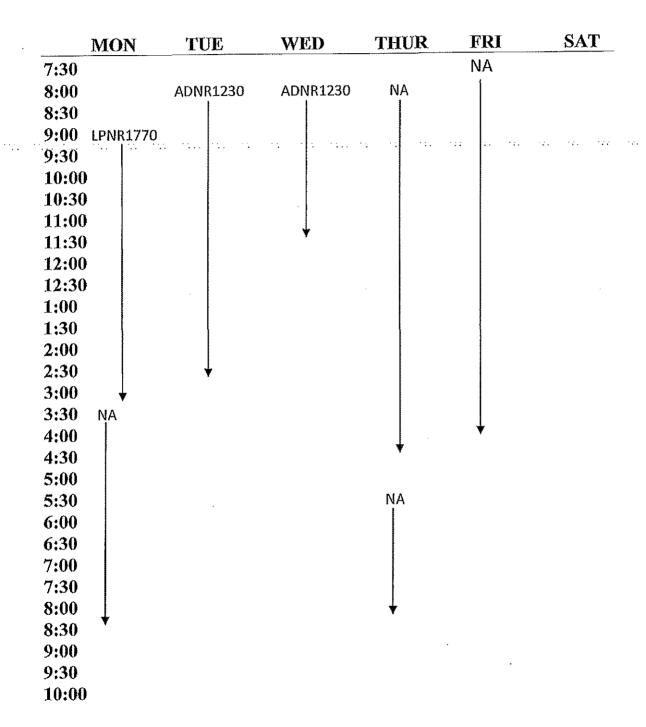
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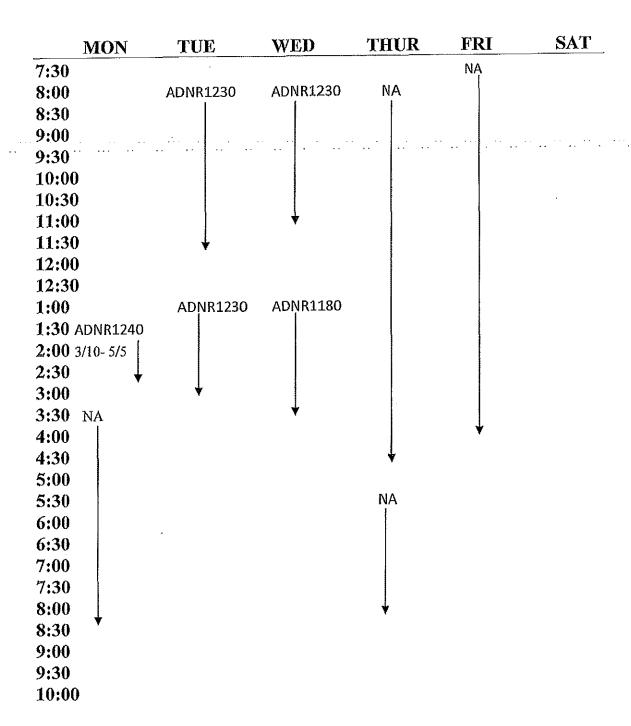
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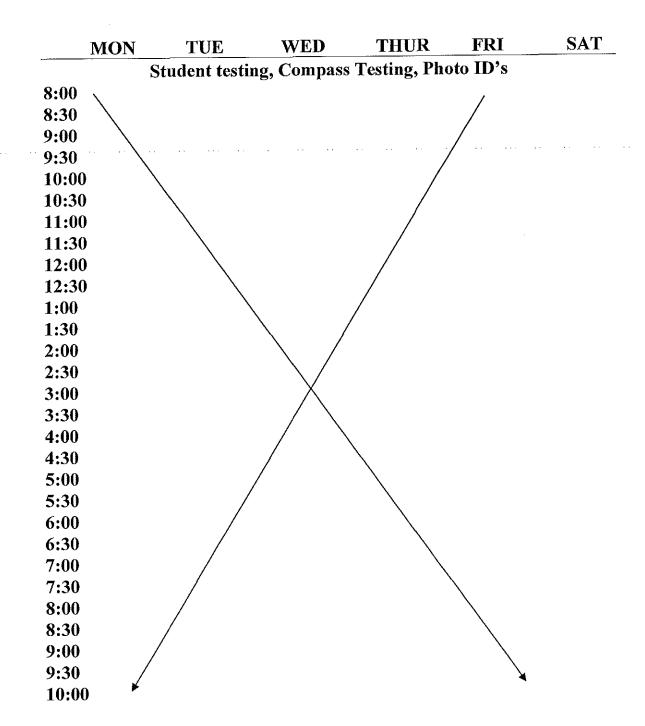
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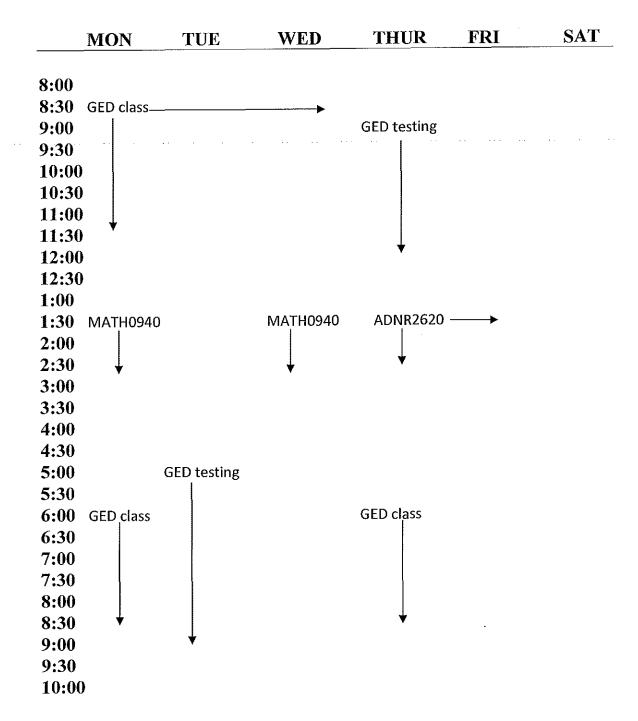
ROOM 124 SPRING 2014



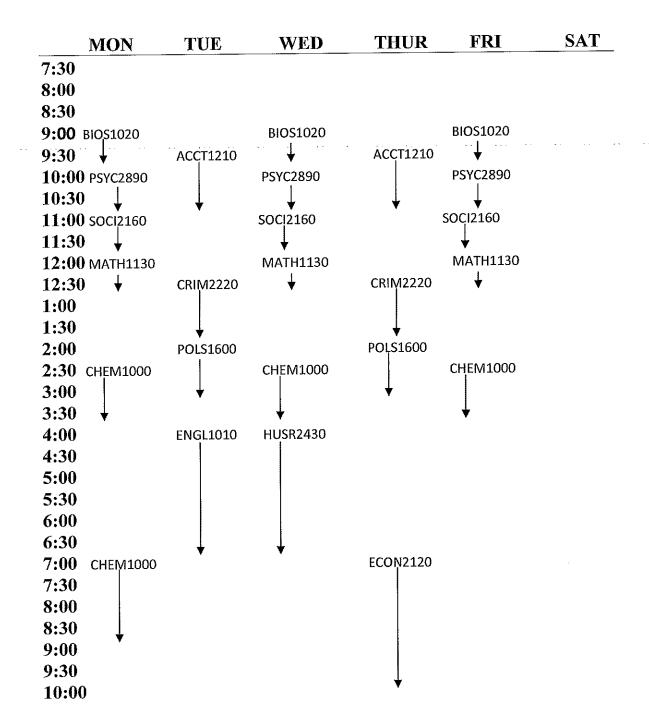
ROOM 130 Testing Room



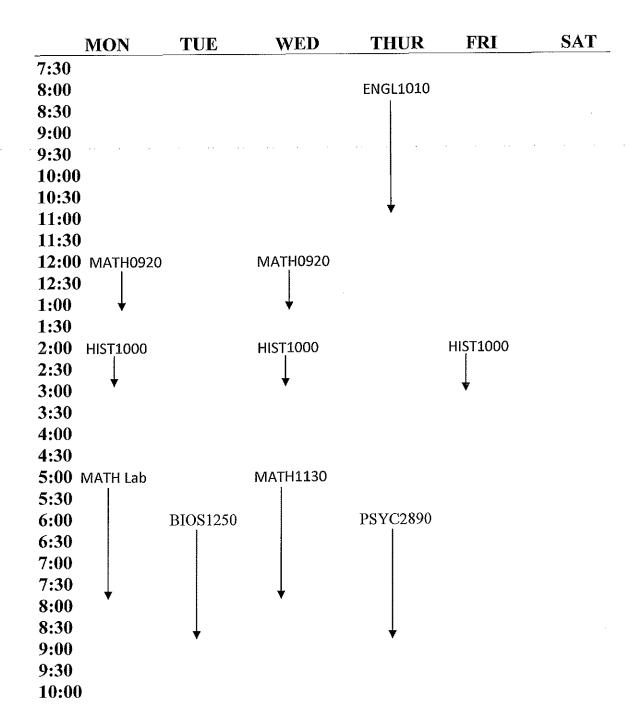
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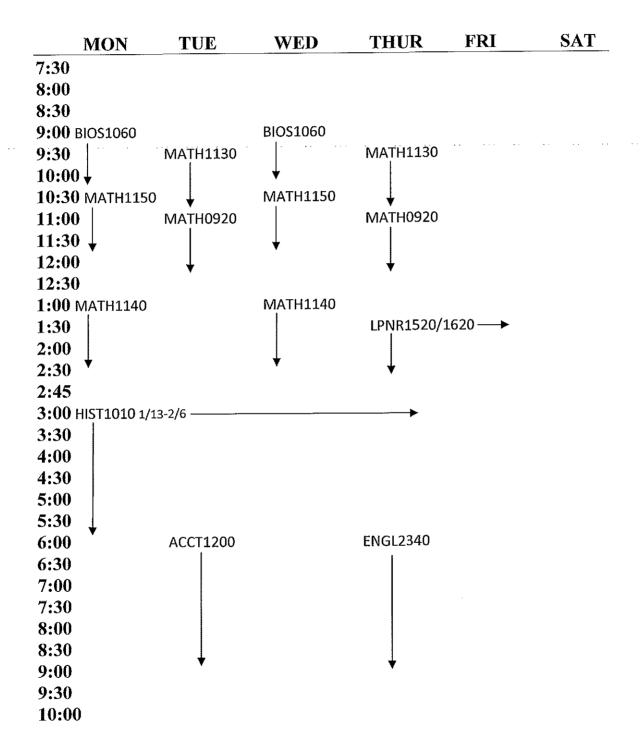
ROOM 131 SPRING 2014



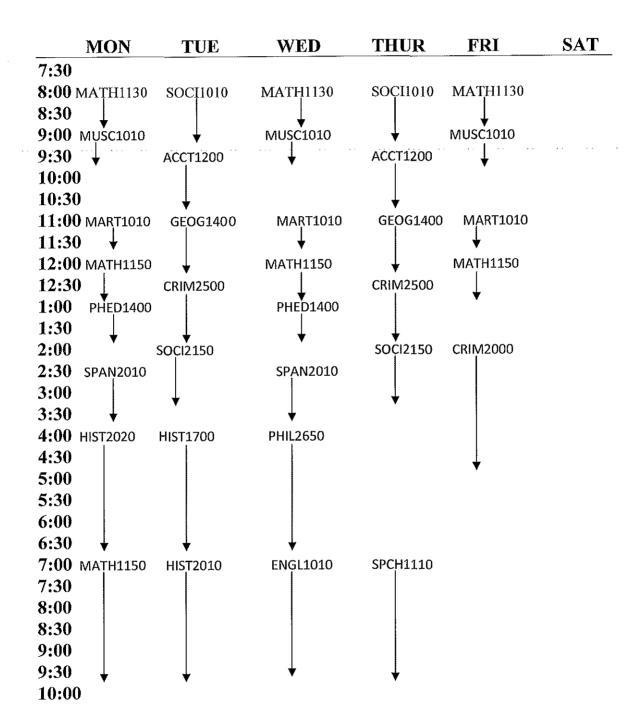
**ROOM 132 FALL 2013** 



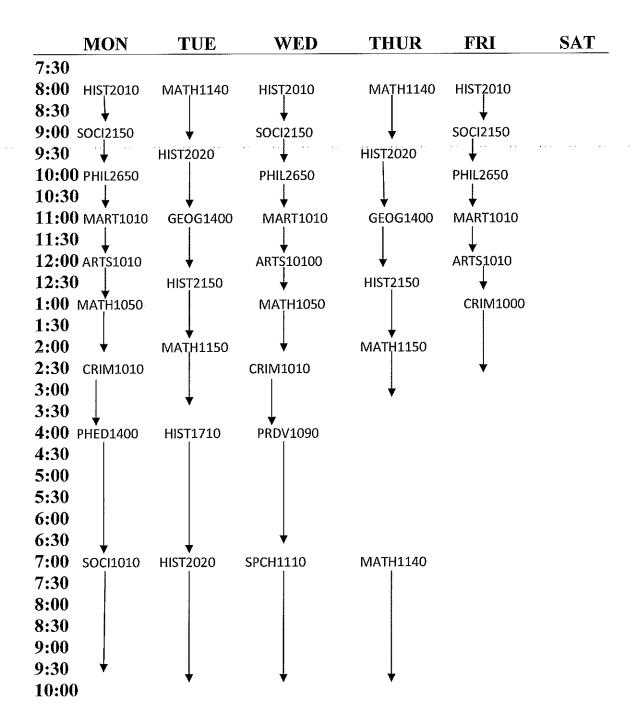
ROOM 132 SPRING 2014



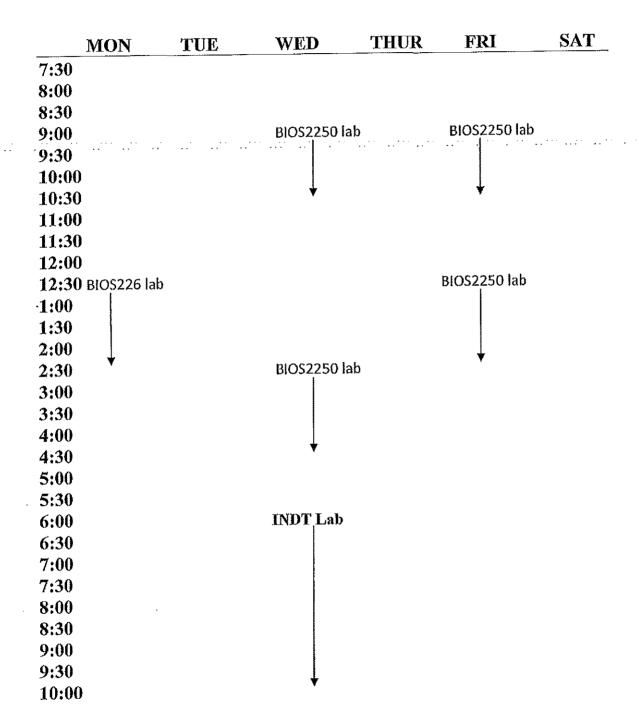
**ROOM 133 FALL 2013** 



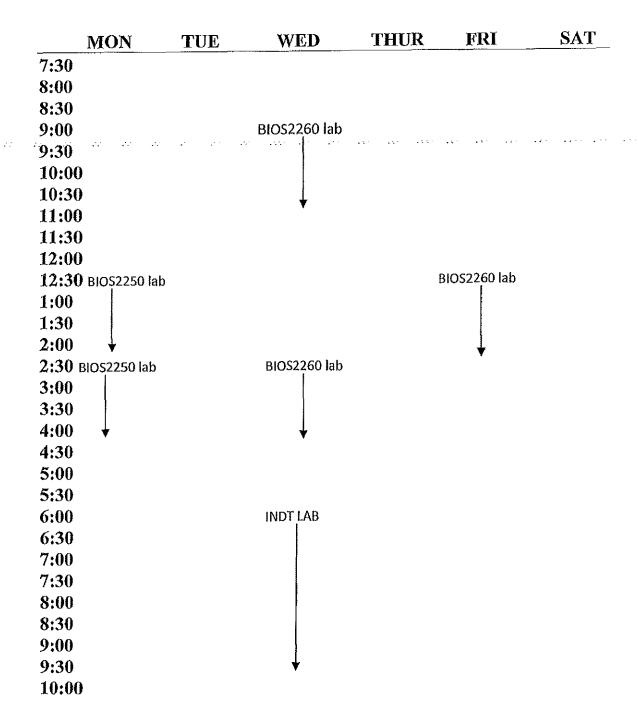
ROOM 133 SPRING 2014



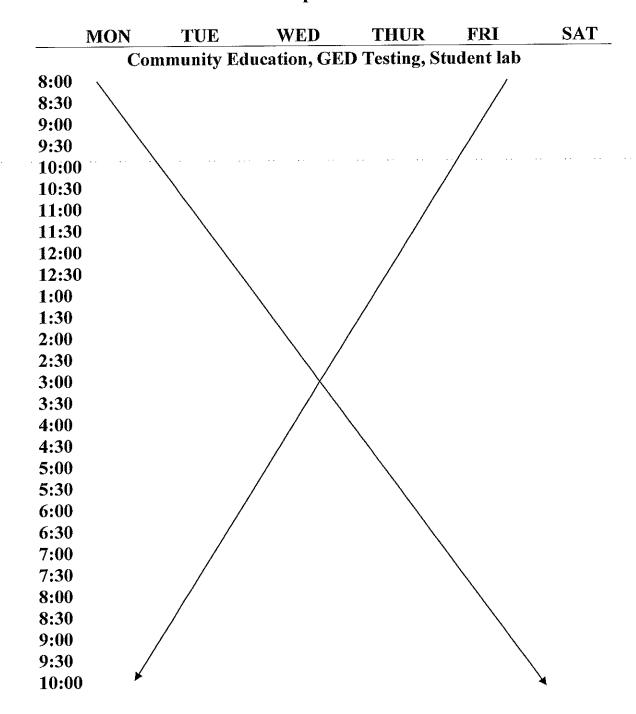
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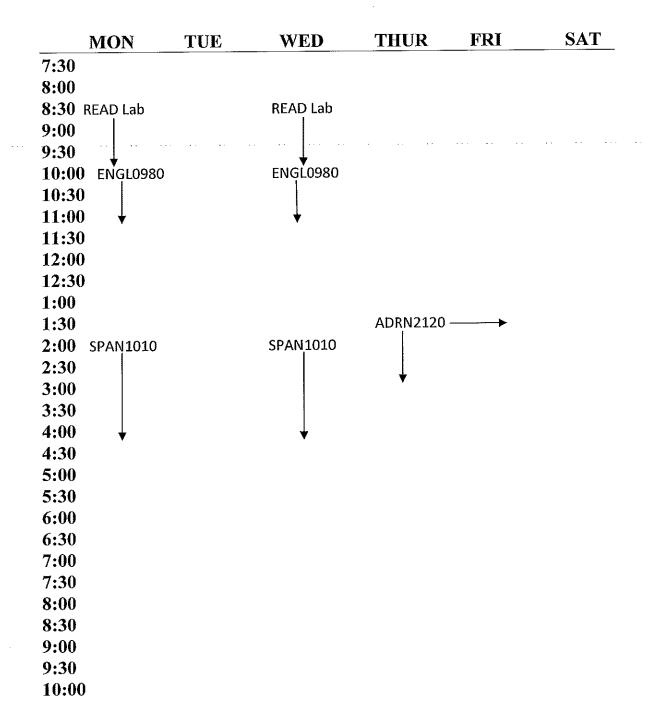
## ROOM 134 SPRING 2014



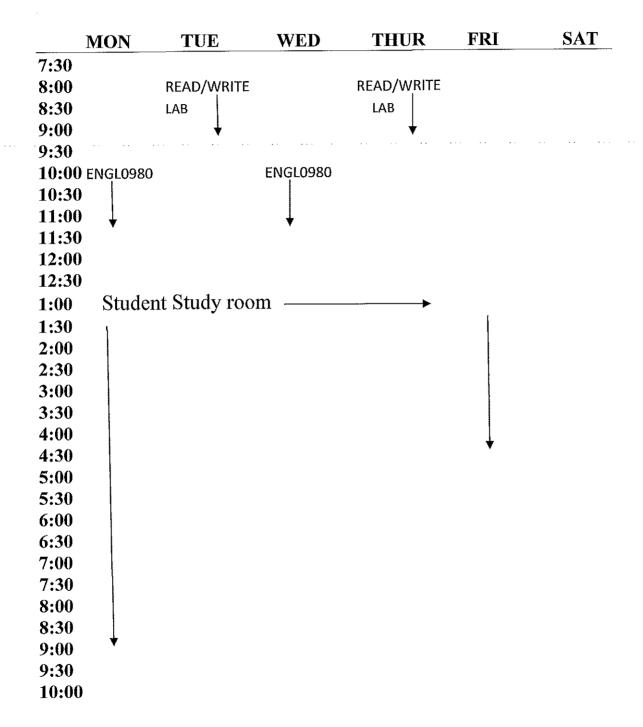
ROOM 140 Computer Lab



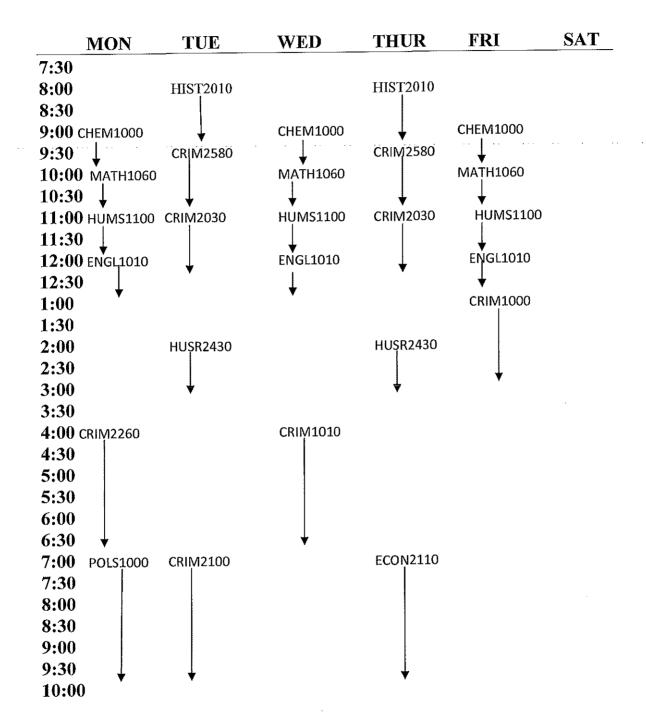
**ROOM 141 FALL 2013** 



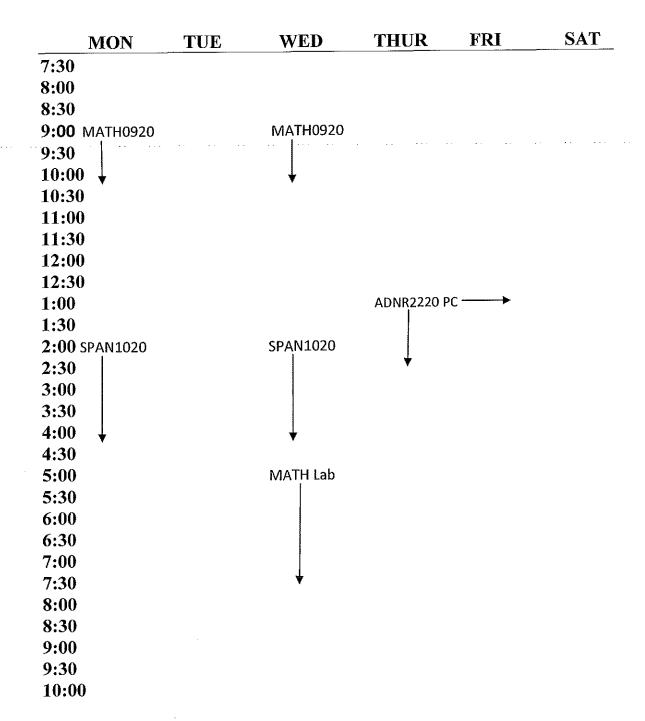
ROOM 141 SPRING 2014



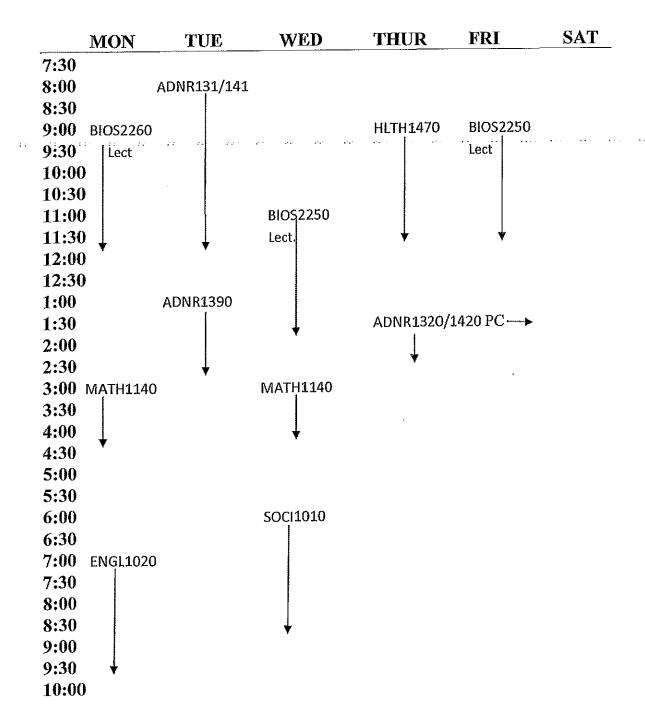
**ROOM 142 FALL 2013** 



## ROOM 142 SPRING 2014



**ROOM 143** FALL 2013



ROOM 143 SPRING 2014

