FACILITIES MASTER PLAN
KICK OFF
JAN 12, 2016
YOUR CORE TEAM

Michael
Team Leader / Lead Campus Planner
SmithGroupJJR

Tengteng
Project Manager
SmithGroupJJR

Frank
Space Planner
Paulien & Associates

Frank
Local Architect
HMN

Darin
Learning Environment Architect
SmithGroupJJR
OUR APPROACH

Discovery
Analysis
Idea Generation
Refinement
Documentation

1. Steering Kick Off
   - 11/23

2. Campus Kick Off
   - 01/12
   - Space Needs Analysis and Board Workshop
   - 02/11
   - Analysis Review
   - Late Feb

3. Alternatives Review
   - Late Mar
   - Preliminary Plan
   - Late Apr
   - Final Plan
   - Early Jun

4. Approval
   - 06/30

In-Person Milestone Visit
Interim Steering Committee
Video Conference
Board Interface
ENGAGEMENT

Board of Trustees
Steering Committee
Facilities Master Plan Steering Committee

Advisory Teams
President’s Cabinet
Career & Technical Education Task Force
Academic Spaces Committee Task Force
Instructional Deans’ Council
Student Success & Engagement Leadership Team

Focus Groups
Vice Presidents and Division Directors
Deans and Faculty
Athletic Department
Library Services
Institutional Effectiveness / Research
JCCC Foundation Exec. Board
Student Senate

Core PM Team

Timeline:
- B: Board Workshop
- S: Steering Committee Kick Off
- A: Academic Spaces Committee Task Force Analysis Review
- F: Facilities Master Plan Steering Committee Alternatives Preliminary Plan
- C: Core PM Team Final Plan

Timeline:
- JAN
- FEB
- MAR
- APR
- MAY
- JUN

Approval
What is a Campus Master Plan?

- Comprehensive
- Opportunity Based
- A Living Document
- Mission/Value Based
- Driven by Principles
- Distinctive & Memorable
- Immediate & Long Range
- Visionary
- Realistic
Why Is It Valuable?

• Flexible Framework for Campus Development
• Process to Align Strategic, Academic, Spatial, Fiscal, and Physical Vision
• Establishes Capital Priorities
• Optimizes Resources and Adjacencies
• Implementable
• Participatory and Consensus Based
• Defensible
• Clear Visualization
Integrated Planning

strategy
what is important, and how do we decide?

partnerships + collaboration
accreditation
access + mission focused
program integration
readiness + alignment
resource allocation

facilities
infrastructure
historic resources
renovation / re-use
land use and circulation
landscape
public realm + civic interface

programming
what do we need?

academic vision
enrollment change
public outreach
career + occupational
2+2. 3+1
dual enrollment, online
adjacencies

facilities
what do we have?

what do we have?
Planning Focus

Based on RFP

A. Outreach, Stakeholder Meetings, Vision for Future Programs + Facility Requirements
B. 20-30 Year Building Placement
C. Design, Identity + Wayfinding
D. Benchmark Community College Spatial Standards
E. Develop Space Planning Guidelines
F. Support Student Success + Retention
G. Career + Technical Space (with Outside Consultant)
H. Commitment to Sustainability + ACUPCC
I. Align Classroom Spaces with Changing Pedagogies
J. Align Capital projects with Space Utilization, Flexibility and Program Consolidation/Relocation
K. Phasing and Cost
Mission: JCCC inspires learning to transform lives and strengthen communities  
Vision: JCCC will be a national leader through educational excellence and innovation  
Values: Integrity, Collaboration, Responsiveness, Leadership  

Strategic Goals
1. Increase student success by improving student satisfaction, retention, persistence, graduation and transfer rates  
2. Demonstrate increased agility in responding to stakeholder needs  
3. Focus on communicating the college’s comprehensive offerings  
4. Commit to the efficient use of resources to strengthen quality offerings
A Well-Defined Path.

<table>
<thead>
<tr>
<th>DISCOVERY</th>
<th>ANALYSIS</th>
<th>IDEA GENERATION</th>
<th>REFINEMENT</th>
<th>DOCUMENTATION</th>
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VISION + BENCHMARKING

PLANNING

MASTER PLAN
INTRODUCTION

SPACE UTILIZATION

CAMPUS ORGANIZATION

DISCUSSION
Utilization Data Collection

• **Collection of Data**
  Fall 2015:
  • Facilities inventory
  • Course data (credit and non-credit)

• **Tour of Campus Facilities**

• **Work Sessions**
  Discussion of programs, classroom use, instructional methodologies, enrollments

• **Utilization analysis will be used in the development of space standards**
Classroom Utilization
by Day and Hour – Credit/Non-Credit

* Analysis Based on 118 Active Classrooms
2 Classroom Utilization

Definitions

Weekly Room Hours
The average number of hours per week a room is scheduled over a term or semester.

Student Station Occupancy
The average percent of seats filled when a room is occupied during scheduled use.

ASF per Station
The amount of space per student station. A 960 ASF classroom with 40 stations = 24 ASF/Station
# Classroom Utilization Benchmarking Study

## Other CC Guidelines
- 39 WRH
- 65% Occupancy
- 21 ASF/Station

## Classroom Standards / Guidelines

<table>
<thead>
<tr>
<th>Institution</th>
<th>State</th>
<th>Institution Type</th>
<th>IPEDS Headcount</th>
<th>Wkly Room Hours</th>
<th>SSO %</th>
<th>ASF / Station</th>
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<tbody>
<tr>
<td>Florida College System</td>
<td>FL</td>
<td>2 YR Public College District / System</td>
<td>464,813</td>
<td>40</td>
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<td>25</td>
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<td>Colorado Community College System</td>
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<td>CA</td>
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<td>Tennessee Public Community Colleges</td>
<td>TN</td>
<td>2 YR Public College</td>
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<td>26</td>
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<tr>
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<td>2 YR Public College District / System</td>
<td>75,000</td>
<td>38</td>
<td>65%</td>
<td>24</td>
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<td>Central Piedmont Community College</td>
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<td>2 YR Public College</td>
<td>68,754</td>
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<td>Miami Dade College</td>
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<td>Tarrant County College District</td>
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<td>17</td>
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<tr>
<td>Northern Virginia Community College</td>
<td>VA</td>
<td>2 YR Public College</td>
<td>51,803</td>
<td>40</td>
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<td>20</td>
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<tr>
<td>College of Southern Nevada</td>
<td>NV</td>
<td>4 YR Public College (AA Focused)</td>
<td>40,000</td>
<td>30</td>
<td>60%</td>
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<tr>
<td>City College of San Francisco</td>
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<td>Minneapolis Community and Technical College</td>
<td>MN</td>
<td>2 YR Public Community and Technical</td>
<td>14,609</td>
<td>32</td>
<td>66%</td>
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</table>

**Average**

- 39 WRH
- 65% Occupancy
- 21 ASF/Station

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Other CC Guidelines

- 39 WRH
- 65% Occupancy
- 21 ASF/Station

JCCC

- 32 WRH
- 69% Occupancy
- 25 ASF/Station

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**Classroom Standards / Guidelines**

- 39 WRH
- 65% Occupancy
- 21 ASF/Station

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**Classroom Utilization Benchmarking Study**

- IPEDS Headcount
- Wkly Room Hours
- SSO%
- ASF/Station

---

**Average**

- 39 WRH
- 65% Occupancy
- 21 ASF/Station
Paulien Statewide Guideline Study

Classrooms:
- 36 states have some type of classroom utilization guidelines for community colleges
- Mean:
  - 33 WRH
  - 65% SSO
  - 20 ASF/Station

JCCC Credit Instruction:
- 32 WRH
- 69% SSO
- 25 ASF/Station

<table>
<thead>
<tr>
<th>Weekly Room Hours</th>
<th>Range</th>
<th>Student Station Occupancy</th>
<th>ASF/Station</th>
<th>Range</th>
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<tr>
<td>55</td>
<td></td>
<td>85%</td>
<td>40</td>
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<tr>
<td>50</td>
<td></td>
<td>80%</td>
<td>36</td>
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<td>45</td>
<td></td>
<td>75%</td>
<td>32</td>
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<td>40</td>
<td></td>
<td>70%</td>
<td>30</td>
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<tr>
<td>35</td>
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<td>65%</td>
<td>28</td>
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<tr>
<td>32</td>
<td>Median</td>
<td>60%</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Median</td>
<td>55%</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>50%</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>45%</td>
<td>10</td>
<td></td>
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</table>

Established Classroom Guidelines
Classroom Standards / Guidelines

Classroom Guidelines are Changing to Accommodate Active Learning
Laboratory Standards / Guidelines
JCCC Compared to Established Statewide Guidelines

Statewide Guideline Study for Laboratories:
• 34 states have some type of classroom utilization guidelines
• Mean:
  – 22 WRH
  – 77% SS0

JCCC Credit Instruction:
  – 24WRH
  – 77% SSO

<table>
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<th>Laboratory Guidelines</th>
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<td>Weekly Room Hours</td>
</tr>
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</tr>
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<td>22</td>
</tr>
<tr>
<td>18</td>
</tr>
<tr>
<td>14</td>
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Median
### ASF by Space Use Code

#### Eight State Comparative

**Assignable Square Feet (ASF) by Space Category: Preliminary Comparative Analysis**

<table>
<thead>
<tr>
<th>SUC</th>
<th>Space Category</th>
<th>JCCC</th>
<th>Eight State Average</th>
<th>Maryland</th>
<th>Illinois</th>
<th>North Carolina</th>
<th>South Carolina</th>
<th>Colorado</th>
<th>Georgia</th>
<th>Utah</th>
<th>Wyoming</th>
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<tr>
<td>100</td>
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<td>13%</td>
<td>16%</td>
<td>15%</td>
<td>19%</td>
<td>22%</td>
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<td>11%</td>
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<tr>
<td>200</td>
<td>Laboratories</td>
<td>28%</td>
<td>26%</td>
<td>23%</td>
<td>26%</td>
<td>28%</td>
<td>35%</td>
<td>27%</td>
<td>16%</td>
<td>25%</td>
<td>26%</td>
</tr>
<tr>
<td>300</td>
<td>Office</td>
<td>24%</td>
<td>20%</td>
<td>23%</td>
<td>18%</td>
<td>19%</td>
<td>20%</td>
<td>19%</td>
<td>23%</td>
<td>19%</td>
<td>18%</td>
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<td>400</td>
<td>Study</td>
<td>3%</td>
<td>6%</td>
<td>5%</td>
<td>6%</td>
<td>6%</td>
<td>4%</td>
<td>8%</td>
<td>9%</td>
<td>4%</td>
<td>5%</td>
</tr>
<tr>
<td>500</td>
<td>Special</td>
<td>10%</td>
<td>10%</td>
<td>10%</td>
<td>8%</td>
<td>4%</td>
<td>5%</td>
<td>11%</td>
<td>15%</td>
<td>16%</td>
<td>14%</td>
</tr>
<tr>
<td>600</td>
<td>General</td>
<td>16%</td>
<td>13%</td>
<td>12%</td>
<td>13%</td>
<td>12%</td>
<td>10%</td>
<td>14%</td>
<td>13%</td>
<td>13%</td>
<td>17%</td>
</tr>
<tr>
<td>700</td>
<td>Support</td>
<td>5%</td>
<td>6%</td>
<td>5%</td>
<td>6%</td>
<td>5%</td>
<td>7%</td>
<td>4%</td>
<td>8%</td>
<td>6%</td>
<td>7%</td>
</tr>
<tr>
<td>800</td>
<td>Health</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0.20%</td>
<td>0%</td>
<td>0%</td>
<td>0.1%</td>
<td>0.4%</td>
<td>0.0%</td>
<td>0.4%</td>
</tr>
<tr>
<td>0</td>
<td>Unclassified</td>
<td>0%</td>
<td>2%</td>
<td>6%</td>
<td>3%</td>
<td>4%</td>
<td>1%</td>
<td>3%</td>
<td>0%</td>
<td>0%</td>
<td>2%</td>
</tr>
<tr>
<td></td>
<td><strong>Total Percent</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

|        | **Total ASF** | **58,954,557** | **18,825,392** | **17,311,667** | **2,979,861** | **16,771,027** | **10,041,893** |
|        | **Campuses**  | **1**         | **16**            | **40**          | **15**         | **24**         | **12**         |
|        | **Centers**   | **-**         | **9**             | **13**          | **-**          | **35**         | **-**          |

### Comparative CCs: ASF by Space Category

- **Classrooms**: 13%
- **Laboratories**: 28%
- **General**: 13%
- **Support**: 5%
- **Special**: 10%
- **Health**: 0%
- **Unclassified**: 0%

|        | **Classrooms** | **Laboratories** | **General** | **Support** | **Special** | **Health** | **Unclassified** |
|        | **13%**        | **28%**           | **13%**     | **5%**      | **10%**     | **0%**     | **0%**           |
Physical Analysis

- **Regional Level**
  - Natural System
  - Land Use and Zoning
  - Transportation
  - Community Assets
  - Demographics

- **Campus Level**
  - Ecology and Sustainability
  - Edge and Gateway
  - Circulation and Parking
  - Athletics, Recreation, and Open Space

- **Facilities Level**
  - Physical Condition
  - Circulation and Wayfinding
  - Use and Program
  - Space Utilization
19,091
2015 Fall Headcount

Transfer 41%
Job 37%
Personal 10%
Other 11%

Educational Objectives

157,838
2015 Fall Credit Hrs.

Main Campus 108,265
Olathe 2,849
Lawrence 375
West Park 789
Online 24,099

JCCC Locations

Regional Context
Circulation and Way-Finding

Vehicles / day

Total Parking

Structured Parking
Surface Parking
Vehicular Circulation
Pedestrian Circulation

3931
10331
290
247
98
89
208
153
297
78
460
416
696
1137
227
100
88
288
12507
1557
12,925
5,154

3 Circulation and Way-Finding

InOut
Circulation and Way-Finding

Building Entry
Major Common Space
Pedestrian Circulation
Pedestrian Crossing
Vehicular Circulation
Building Age

- 1970s: 402,988
- 1980s: 179,915
- 1990s: 441,600
- 2000s: 742,659
- 2010s: 95,450

Total Square Footage: 1,862,612
Academic Program Spatial Relationships
INTRODUCTION

SPACE UTILIZATION

CAMPUS ORGANIZATION

DISCUSSION
Next Steps

• **Space Analysis Meetings (Mid February)**
  - EVP Instruction and Operations
  - EVP Finance and Administrative Services
  - VP Academic Affairs & AVP Instruction
  - VP Student Success and Engagement
  - AVP Institutional Advancement
  - AVP Campus Services
  - AVP Continuing Education and Organizational Development
  - CIO or Directors of Academic, Administrative, and Client Computing
  - Exec Director/Director Marketing Communication and Event Management
  - Dean - Arts, Humanities and Social Sciences Division, Police Academy
  - Dean- Business Division w/ Hospitality Mgmt.
  - Dean - Communication Division and Dean - English and Journalism Division, Academic Achievement Ctr. and Writing Ctr.
  - Dean - Healthcare Professions and Wellness
  - Dean - Mathematics Division and Dean - Science Division, Math Resource Center, Science Resource Center
  - Dean - Technology Division with Computer Science & Information Tech, Industrial Tech, and Railroad Operations
  - Dean - Academic Support Division
  - Institutional Effectiveness / Research Library Services

• **Board Workshop (Mid February)**