Partnerships that Work:

Plano Independent School District and Collin College
Health Sciences Academy
Collin College

Collin College is a large, multi-campus district located in north Texas serving approximately 53,000 credit and non-credit students annually.
About Collin

• Founded in 1985
• Only public college in the county
• Offers more than 100 degrees and certificates
• 2,022 employees
• 5 campuses and 2 extension centers
• Serves 17 Independent School Districts (ISDs)
• Offers dual credit in partnership with 46 schools in our service area
Collin County
Independent School Districts – Plano ISD
Plano ISD

- Founded in 1881
- 55,000 students
- 6,900 employees
- 68 schools
- 3 special and early education centers
- PISD and Collin College have honored a partnership in dual credit for over 15 years
“Is there a doctor in the house?”
Collin College and Plano ISD create academy to fill void in health care industry

“Our local population is booming, and with each new resident, the shortage of healthcare professionals is compounded. Partnerships like this are vital to building the pipeline of talent for our hospitals and medical systems.”

- Dr. H. Neil Matkin, Collin College District President, Health Sciences Academy First Pinning Ceremony Spring 2016
District Dual Credit Growth

FALL HEADCOUNT TOTALS FOR 1987-2017

<table>
<thead>
<tr>
<th>Year</th>
<th>Headcount</th>
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<tbody>
<tr>
<td>1987</td>
<td>67</td>
</tr>
<tr>
<td>1999</td>
<td>310</td>
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<tr>
<td>2004</td>
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<td>2009</td>
<td>2138</td>
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<tr>
<td>2014</td>
<td>3142</td>
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<tr>
<td>2015</td>
<td>3771</td>
</tr>
<tr>
<td>2016</td>
<td>4555</td>
</tr>
<tr>
<td>2017</td>
<td>5624</td>
</tr>
</tbody>
</table>
Foundation for the Health Sciences Academy

**Goal 1.** Improve academic success by implementing strategies for completion

**Goal 2.** Provide access to innovative higher education programs that prepare students for constantly changing academic, societal and career/workforce opportunities

**Goal 4.** Enhance the College’s presence in the community by increasing awareness, cultivating relationships, building partnerships, and developing resources to respond to current and future needs.
Health Sciences Academy
Time Line to Implementation

• Collin College Health Sciences faculty, administrators, and key PISD personnel initiated planning in summer 2012

• First applicants from 9th and 10th grade in fall 2012

• The Academy launched in fall 2013
Health Sciences Academy Goals

• To provide students an opportunity to:
  – Explore career interests in health sciences
  – Earn credit toward both high school graduation and college completion
  – Earn industry recognized credential or certification
  – Move into productive employment immediately upon high school graduation
  – Reduce time to degree completion for those planning pre-med professional pathways
# Health Science Academy Early Collaborative Planning

## Course Layout

<table>
<thead>
<tr>
<th>9th - Fall</th>
<th>9th - Spring</th>
<th>10th - Fall</th>
<th>10th - Spring</th>
<th>11th - Fall</th>
<th>11th - Spring</th>
<th>12th - Fall</th>
<th>12th - Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL I</td>
<td>ENGL II</td>
<td>ENGL II</td>
<td>ENGL III (DC)</td>
<td>ENGL III (DC)</td>
<td>ENGL IV (DC)</td>
<td>ENGL IV (DC)</td>
<td></td>
</tr>
<tr>
<td>Algebra I</td>
<td>Algebra I</td>
<td>Geometry</td>
<td>Geometry</td>
<td>Algebra II</td>
<td>Algebra II</td>
<td>Math per PISD</td>
<td>Math per PISD</td>
</tr>
<tr>
<td>BIOL</td>
<td>BIOL</td>
<td>CHEM</td>
<td>Physics</td>
<td>Physics</td>
<td>Science (DC)</td>
<td>Science (DC)</td>
<td></td>
</tr>
<tr>
<td>World Geography</td>
<td>World History</td>
<td>World History</td>
<td>US History (DC)</td>
<td>US History (DC)</td>
<td>Economics (DC)</td>
<td>Government (DC)</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Foreign Language</td>
<td>Foreign Language</td>
<td>Fine Arts</td>
<td>Fine Arts</td>
<td>Elective</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>PE</td>
<td>PE</td>
<td>HPRS 1204</td>
<td>HITT 1305</td>
<td>NURA 1301 Nurse Aide for Healthcare</td>
<td>NURA 1160 Clinical – Nurse Aide and Patient Care Assistant</td>
<td>HUWC 1291 Sp. Topics in Health Unit Coordinator</td>
<td>HUWC 1160 Clinical – Health Unit Coordinator</td>
</tr>
<tr>
<td>36</td>
<td>64</td>
<td>25</td>
<td>48</td>
<td>–</td>
<td>48</td>
<td>–</td>
<td>48</td>
</tr>
</tbody>
</table>

## Criteria for Health Science Academy Track Selection – Draft:

1) **Point System awarded:**
   - HOBET Scores:
     - 1 pt 45-50; 2 pt 50-55; 3 pt ≥ 55
   - 2 pt possible: Student Conduct Report - no suspensions PISD, no misconduct in CC class
     - (three suspensions while in program is automatic dismissal)
   - 1 pt - Average grades in Sciences (Biology, A&P, and Chemistry) ≥ 3.0
   - 1 pt - Completed Algebra ≥ 3.0
   - 1 pt - Collin College (e.g. HPRS 1271) grade B; 2 pt CC grade A (require C or better to progress)

2) **Parental Consent**

**Other Requirements:**
- Immunization
- Health Insurance
- Background Check
- Drug Screen

Note: requirements of clinical time may require hours outside of regular scheduled school hours

---

*first number reflects # of students
*second reflects contact hours

---

© 2013.

*This information is subject to change.*

*Draft 1.2 – 1/31/2013.*

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© 2013.
Changes to Organizational Structure

2013 - 2014

Collin College HS Dean

HS Associate Dean

HS Program Director

(2) FT Faculty HSA

Associate Faculty (PT)

Initially, program costs were integrated within existing Collin College Health Sciences Instructional Budgets

2016 - 2017

Collin College HS Dean

Director Health Science Academy

FT Faculty and Staff

PT Faculty and Staff
# Budget Implications

<table>
<thead>
<tr>
<th>Budget Area</th>
<th>FY2014</th>
<th>FY2015</th>
<th>FY2017</th>
<th>Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration and Staff</td>
<td></td>
<td>$57,675</td>
<td>$144,780</td>
<td>Shifted from Faculty Release for Administrative Duties to FT Director and Support Staff</td>
</tr>
<tr>
<td>Faculty</td>
<td>$197,147</td>
<td></td>
<td>$271,944</td>
<td>Program Growth</td>
</tr>
<tr>
<td>Supplies</td>
<td>$7,460</td>
<td>$25,563</td>
<td></td>
<td>Program Growth</td>
</tr>
<tr>
<td>Equipment and Furniture</td>
<td>$34,700</td>
<td>$8,518</td>
<td></td>
<td>*Manikins and other training equipment purchased over the course of several years with grant funds</td>
</tr>
<tr>
<td>Budget Total</td>
<td>$216,325</td>
<td>$422,685</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Health Sciences Academy
Current Pathways

• Health Professions Program
  – Certified Nursing Assistant (CNA)
  – Electrocardiography Technician (EKG)
  – Phlebotomy (PHLEB)
  – Patient Care Technician (PCT)
  – Emergency Medical Technician (EMT)
# AAS Health Professions

<table>
<thead>
<tr>
<th>Track/Technician</th>
<th>Track/Technician</th>
<th>Track/Technician</th>
<th>Track/Technician</th>
<th>Track/Technician</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified Nurse Aid Track (CNA)</td>
<td>Electrocardiograph Technician Track (EKG)</td>
<td>Phlebotomy Technician Track (PHLEB)</td>
<td>Patient Care Technician Track (PCT)</td>
<td>Emergency Medical Technician Track (EMT)</td>
</tr>
</tbody>
</table>

## General Education Courses

## Introductory Health Care Courses

## Additional Introductory Health Care and Key Skills Courses

## Level 1 Certificates

## Occupational Skills Awards
# Job Outlook DFW

## HEALTH PROFESSIONALS OCCUPATIONAL SNAPSHOT

<table>
<thead>
<tr>
<th>Occupational Title</th>
<th>Entry-Level Educational Requirement</th>
<th>10% Pay (Entry Level)</th>
<th>Annual Job Openings in 50-mile radius</th>
<th>Expected Job Growth Over Next 4 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified Nursing Assistant</td>
<td>HS or less</td>
<td>$9.56</td>
<td>1,471</td>
<td>15.1%</td>
</tr>
<tr>
<td>Electrocardiography Technician</td>
<td>HS, Vocational Certificate</td>
<td>$14.24</td>
<td>77</td>
<td>13.7%</td>
</tr>
<tr>
<td>Phlebotomist</td>
<td>HS, Vocational Certificate</td>
<td>$11.20</td>
<td>244</td>
<td>12.5%</td>
</tr>
<tr>
<td>Patient Care Technician*</td>
<td>Vocational Certificate</td>
<td>Approximately $10.99</td>
<td>-</td>
<td>12-15%**</td>
</tr>
<tr>
<td>Emergency Medical Technician</td>
<td>HS, Vocational Certificate</td>
<td>$15.58</td>
<td>311</td>
<td>13.5%</td>
</tr>
</tbody>
</table>

*Data for PCT is taken from a number of websites for jobs in the DFW area

**Annual Job Openings and growth from JobsEQ

# Health Sciences Academy Enrollment History

<table>
<thead>
<tr>
<th>HEADCOUNT</th>
<th>Grade Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>AY 13</td>
<td>10th</td>
</tr>
<tr>
<td>40</td>
<td></td>
</tr>
<tr>
<td>AY 14</td>
<td>10th - 11th</td>
</tr>
<tr>
<td>133</td>
<td></td>
</tr>
<tr>
<td>AY 15</td>
<td>10th - 12th</td>
</tr>
<tr>
<td>172</td>
<td></td>
</tr>
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<td>AY 16</td>
<td>10th - 12th</td>
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<td>163</td>
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</tr>
<tr>
<td>AY 17</td>
<td>10th - 12th</td>
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<tr>
<td>241</td>
<td></td>
</tr>
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### Who We Serve

**Health Science Academy Demographics for 2016-2017**

<table>
<thead>
<tr>
<th>Group</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Female (171)</td>
<td>71%</td>
</tr>
<tr>
<td>Male (70)</td>
<td>29%</td>
</tr>
<tr>
<td>Asian (93)</td>
<td>38%</td>
</tr>
<tr>
<td>Black (27)</td>
<td>11%</td>
</tr>
<tr>
<td>Hispanic (38)</td>
<td>16%</td>
</tr>
<tr>
<td>Multiracial (16)</td>
<td>7%</td>
</tr>
<tr>
<td>White/Caucasian (67)</td>
<td>28%</td>
</tr>
<tr>
<td>Free &amp; Reduced Lunch (65)</td>
<td>27%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plano ISD</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>18%</td>
</tr>
<tr>
<td></td>
<td>9%</td>
</tr>
<tr>
<td></td>
<td>16%</td>
</tr>
<tr>
<td></td>
<td>3%</td>
</tr>
<tr>
<td></td>
<td>53%</td>
</tr>
</tbody>
</table>
Challenges

• Aligning Collin College faculty contract days and the Plano ISD Calendar
• Proper positioning in the marketing of the program to interested students
• Student Schedules and Clinical Rotations
Health Science Academy Successes

• **2015-2016 - First Graduating Class**
  – 33 graduates, 29 initially enrolled at Collin, and 13 of these have transferred to a four-year institution
  – One Associate of Arts degree awarded in December 2016

• **2016-2017 - Second Graduating Class**
  – 57 graduates
  – One Associate of Science degree awarded the summer following high school graduation
  – Approximately $1 Million in scholarships awarded
  – 16 graduates have enrolled at Collin College as of September
Health Science Academy
Graduating Class of 2017

- Average Academic Credits = 14
- Average Workforce Credits = 22
- Average GPA 3.41
- 7,817 Service Learning Hours
A successful partnership leads to

- Growth of Collegiate Academy models in partnership with ISDs
- Growth of Dual Credit Health Professions Partnerships with ISDs

*AWARD OF EXCELLENCE*
Questions?

Adrian Rodriguez, Collin College Board of Trustees, Place 4
Adrian.rodriguez17@verizon.net

Dr. Jon Hardesty, Vice President/Provost, Central Park Campus
jhardesty@collin.edu, 972-548-6403

Raul Martinez, Associate Vice President, P-12 Partnerships
rjmartinez@collin.edu, 972-985-3725