

# Texas Pathways Institute #4

## High School Pathway Connections

### Presenters

Dr. Susan Guzmán-Treviño,  
Interim Vice President,  
Educational Services

Dr. Daniel Spencer  
Associate Vice President,  
Academic Outreach and Extended  
Programs

Kristen Griffith  
Director, Dual Credit



# Objectives

- Temple College Background
- ISD Partner Profiles
- Top Transfer Colleges and Universities
- Impetus for Mapping Work
- 2-year to 4-year Transfer Model Pathways
- High School Endorsement to 2-year Transfer Model Pathways



# Temple College

- Established in 1926
- Current Enrollment – 5,158
- Locations:
  - Main Campus-Temple, Texas
  - Texas Bioscience Institute-Baylor Scott & White Health West Campus
  - East Williamson County Higher Education Center – MITC
    - Hutto, Texas
    - Taylor, Texas



# Temple College

- Taxing District
  - Temple ISD
  - City of Temple
- Service Area – 17 ISDs
- Open Door Institution
- AA, AS, AAS, Certificates, ABE, Workforce, Community Education, Marketable Skill Awards

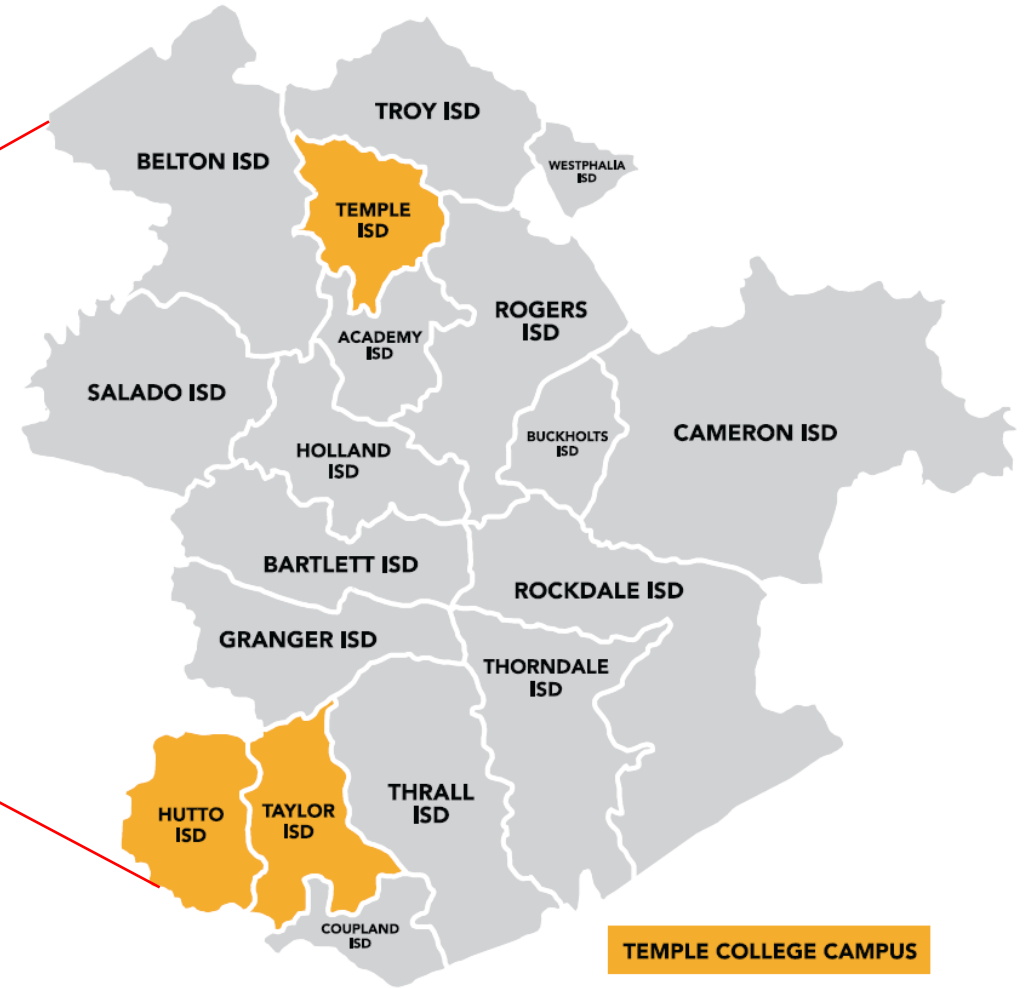
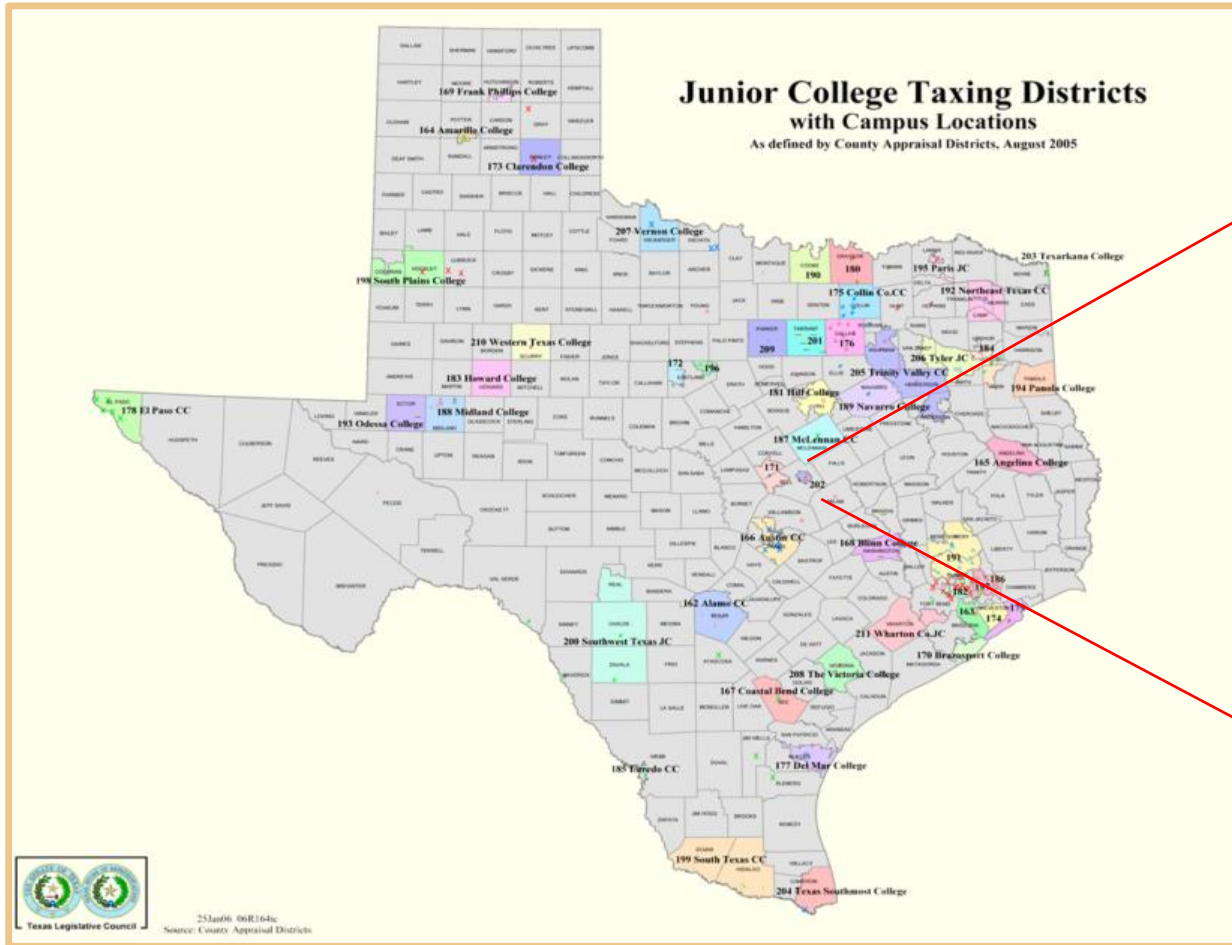


# Temple College

- Service Area (In addition to TISD and the Municipality of Temple)
  - **Bell County** - Academy, Bartlett, Belton, Holland, Rogers, Troy, and Salado ISDs
  - **Williamson County** - Granger, Hutto, Taylor, and Thrall ISDs
  - **Milam County** - Buckholts, Cameron, Rockdale, and Thorndale ISDs
    - The part of Rosebud-Lott ISD & Bartlett ISD located in Milam County



# Temple College Service Area



# ISD Partner Profiles

- Three largest ISDs: Temple, Belton\*, Hutto\*
- Other ISDs served-mostly small rural
- Most ISDs economically disadvantaged (free and reduced lunch)
- ISDs blend college access opportunities-Dual Credit, AP/IB, TC, Online, Other



# University Transfer

- Texas A&M University-Central Texas, Killeen, TX
- Texas State, San Marcos, TX
- Texas A&M University, College Station, TX
- Other Universities within and outside Texas





# Impetus to Start Mapping Degrees

- Achieving the Dream (AtD) Conference 2015
- Upcoming 60-hour degree mandate
- Reviewing our data for hours to degree
- Reviewing our data for time to degree

# A Clearer Path to Student Success: Building *Guided Pathways* at ATD Colleges

**ATD DREAM**

February 18, 2015 Baltimore

# Recommended Course of Study to Transfer into Various Majors (AtD 2015)

## **Business**

Business (200), Accounting (201), Business Administration (202), Economics (203), Finance (204), Financial Services (205), Logistics (206), Management (207), Marketing (208), Transportation (209), Fashion Merchandising (210), Applied Management (211), Business Forensics (212), Financial Management (213), Forensic Accounting (214), Human Resource Management (215), Hospitality Management (216), Aviation Management (217), Event Management (218), Risk Management and Insurance (219), Agriculture Business/Operations (220), Supervision and Management (221)

## **Computer Science and Information Systems**

Computer Science and Information Systems (300), Computer Science (301), Computer Engineering (302), Information Science (303), Information Systems (304), Computer Networking (305), Information Technology (306), Management Information Systems (307), Computer Information Systems (308), Computer Systems Networking and Telecommunications (309), Information Technology Management (310)

## **Education**

Education (400), Art Education (401), Elementary Education (402), English Education (403), Exceptional Education (404), Health Education (405), Middle School Education (406), Music Education (407), Physical Education (408) Science Education (409), Secondary Education (410), Social Science Education (411), Mathematics Education (412), Dance Education (413), Child Development (414), Early Childhood Education (415)

## **Engineering, Architecture and Construction**

Engineering, Architecture and Construction (500), Architecture (501), Building Construction Management (502), Civil Engineering (503), Electrical Engineering (504), Interior Design (505), Mechanical Engineering (506), Nuclear Engineering (507), Engineering Technology - General (508), Geomatics (509)

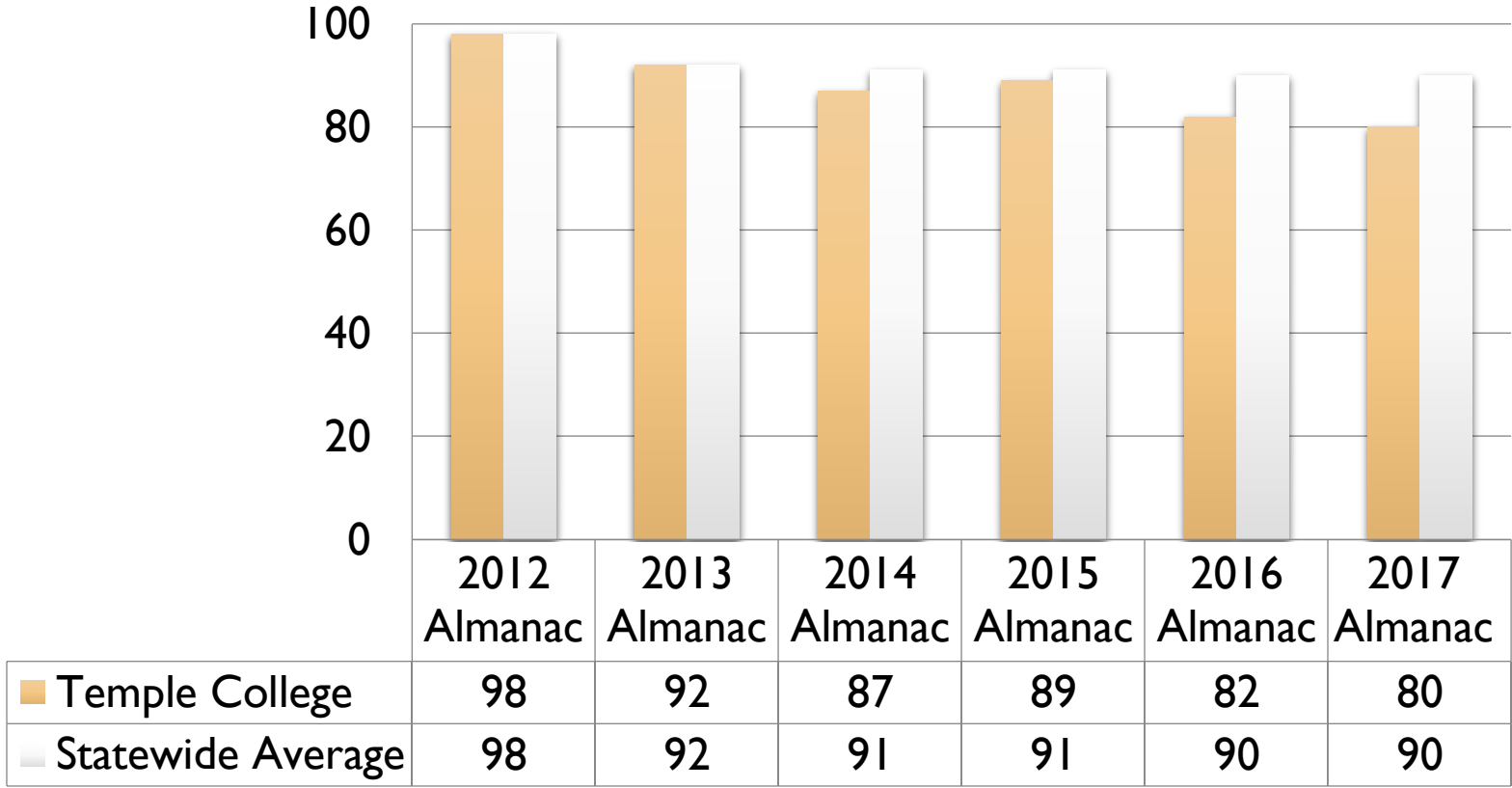


# Lost in a Maze

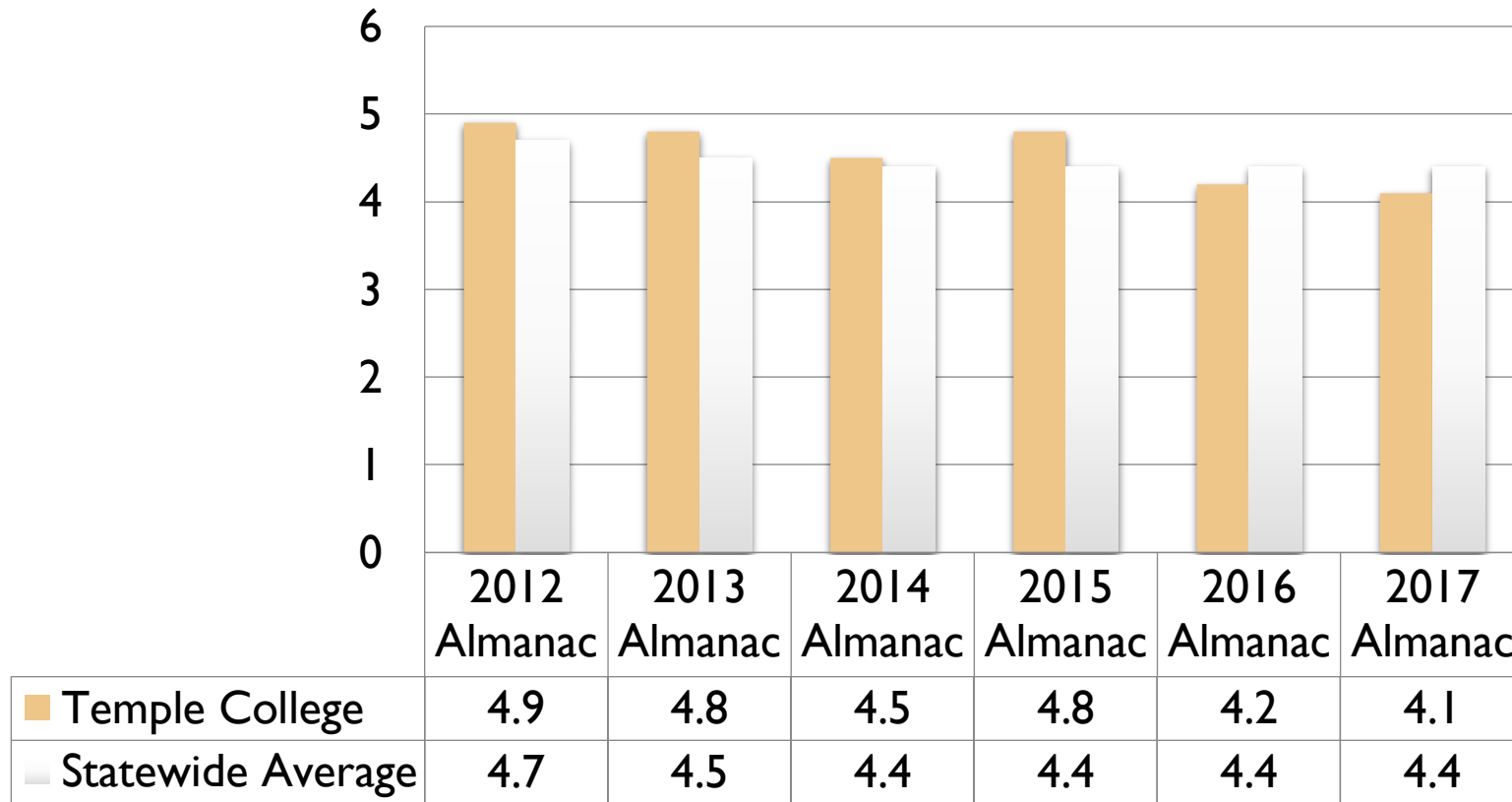
# GPS Design Principles

- ✓ Help students with goal-setting from the start.
- ✓ Simplify their choices with default roadmaps.
- ✓ Redesign intake with goal of helping students choose and successfully enter a POS.
- ✓ Assess learning and improve teaching across programs, not just courses.
- ✓ Monitor students' progress, giving frequent feedback and support as needed. (AtD 2015)

# Average Semester Credit Hours to Associate Degree



# Average Time in Years to Associate Degree



# High School Endorsement to 2-year Transfer Pathway Models

Began by creating an overview of how Temple College certificates and degrees matched up to high school endorsements, including dual credit opportunities

Then we customized these pathways to show specific dual credit and articulated credit opportunities by high school

Belton → Temple College Texas Pathways					
8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	High School		1 <sup>st</sup> & 2 <sup>nd</sup> Year	3 <sup>rd</sup> & 4 <sup>th</sup> Year
Students Select Educational Pathway	HB 5 Endorsement	Dual Credit/ Articulated Credit Opportunities	TC Certificate Options	TC Degree Options	
Public Services	Health Sciences & Occupations	Dual Credit *ENGL-1301/1302 *HIST-1301/1302 *GOVT-2305 *ECON-2301 *ENGL-2322/2323 *EMSP 1501/1160 *TBI  Articulated Credit *HITT-1305 *ITSC-1301	*Advanced EMT, Level I *Paramedic, Level II *Surgical Technology *Vocational Nursing *DMS – Vascular Technology: Advanced Technical Certificate *Critical Care Paramedic – Enhanced Skills Certificate	*Pre-Medicine, AS *Nursing, ADN *Dental Hygiene, AAS *Diagnostic Medical Sonography, AAS *Emergency Medical Services, AAS *Respiratory Care, AAS	*Enter Workforce  *Transfer to Other 4-Year Higher Education Institution
	Education & Training	Dual Credit *ENGL-1301/1302 *HIST-1301/1302 *GOVT-2305 *ECON-2301 *ENGL-2322/2323  Articulated Credit *CDEC-1354	*Child Development/Early Childhood *Administration in Child Development	*Teaching, AAT *Child Development, AAS *All AA Options	*Enter Workforce



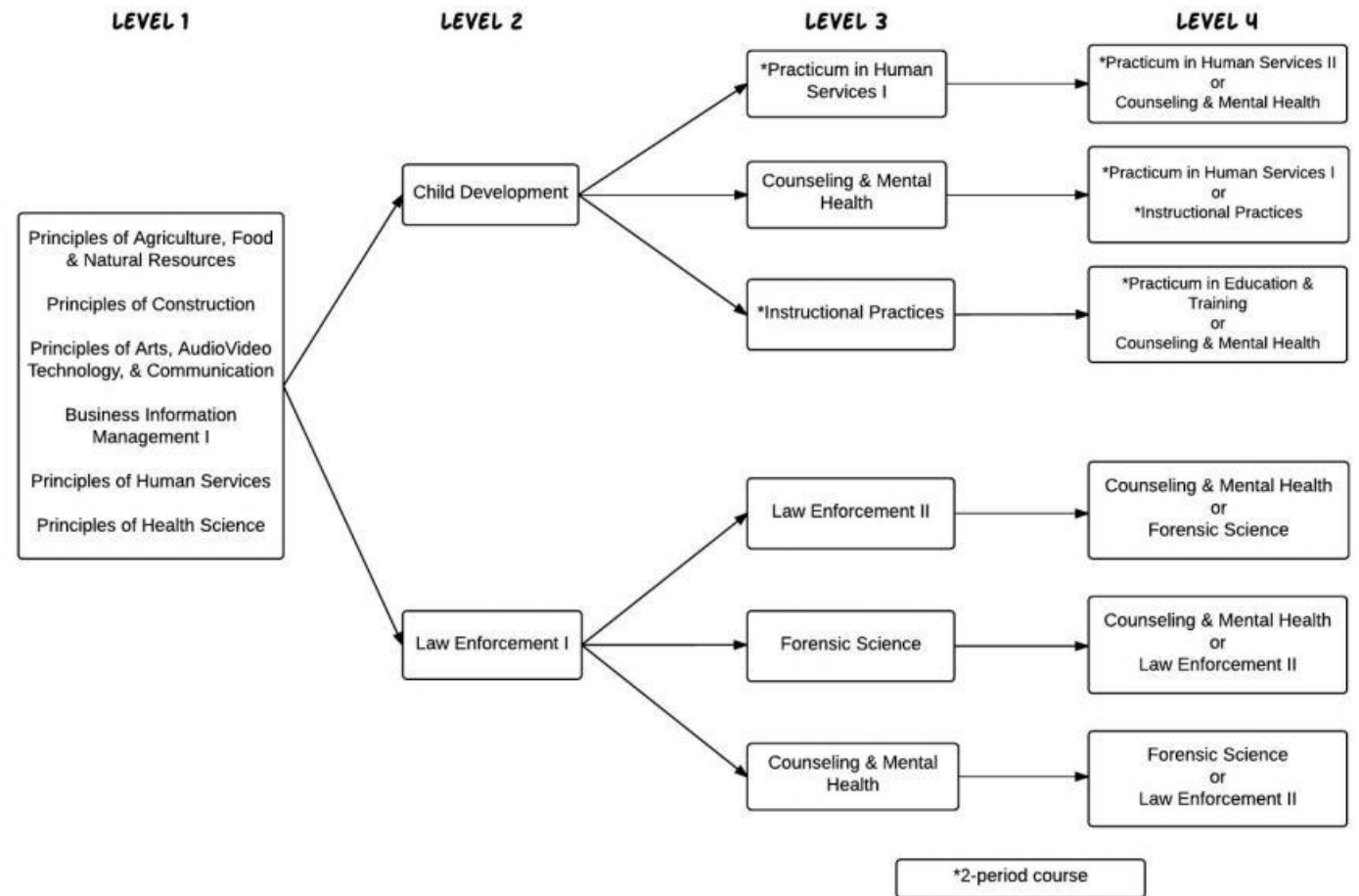
# High School Endorsement to 2-year Transfer Pathway Models

Next, we collected endorsements from the high schools, including specific high school courses that fall within endorsement categories

Finally, we created a high school pathways document that complemented our certificate and degree program mapping

\*Example from Belton ISD Secondary Course Planning Guide

Public Service Course Sequence (Course information can be found on the following page.)



# High School Endorsement to 2-year Transfer Pathway Models

Belton Independent School District [STEM PATHWAY]

## 2017-2018 Associate of Science (AS) in Biology

### COURSE SELECTION

Please see ISD secondary course planning guide or High School counselor for course recommendations

### TIPS

Courses on the high school plan may be available as dual credit or AP options – stack up on advanced academics in high school to save time and money after graduation!

### RECOMMENDED HIGH SCHOOL PLAN: STEM

9th Grade	10th Grade	11th Grade	12th Grade
English I	English II	English III	English IV
Geometry Pre-AP	Algebra II Pre-AP	Pre-Calculus Pre-AP	College Algebra DC & Pre-Calculus DC
Biology Pre-AP	Chemistry Pre-AP	Physics	Science Elective
World Geography	World History	US History	Government/Economics
Foreign Language	Foreign Language	Elective	Elective
Physical Education	Fine Arts	Elective	Elective
Elective	Elective	Elective	

### RECOMMENDED ELECTIVES

AP Chemistry  
 AP Biology  
 Environmental Systems  
 Principles of Agriculture, Food, and Natural Resources  
 Small Animal Management  
 Equine Science  
 Wildlife, Fisheries, and Ecology Management  
 Veterinary Medical Applications  
 Advanced Plant and Soil Science  
 Advanced Animal Science

### RECOMMENDED DUAL CREDIT

ENGL 1301 – Composition I  
 ENGL 1302 – Composition II  
 ENGL 2322 – British Literature I  
 ENGL 2323 – British Literature II  
 MATH 1314 – College Algebra  
 MATH 2412 – Pre-Calculus  
 HIST 1301 – US History I  
 HIST 1302 – US History II  
 ECON 2301 – Macroeconomics  
 GOVT 2305 – US Government I

## 2017-2018 Associate of Science (AS) in Biology\*

### EXPECTED DEGREE

#### AS in Biology (60 sch)

\*Students following this degree plan will be required to pass Computer Competency Exam in order to graduate.

\*\* Please see an academic advisor or Biology department chair to discuss degree requirements for your transfer university.

† If you cannot take 16-18 sch in the semester, we recommend you take this course in the summer.

### PROGRAM DESCRIPTION

AS Biology (BIOL) can lead to university transfer for a Bachelor of Science in Biology, Microbiology, or Biology with Teaching Certification in Life Science. AS BIOL is also ideal for students interested in pre medical, dental, pharmacy, or veterinary programs. AS BIOL students interested in these bachelor's degrees must work with an academic advisor and/or Biology department chair to determine transferable coursework.

Tuition Costs and Scholarship information for this degree can be found at: <http://catalog.templejc.edu/content.php?catoid=9&navoid=365>

Information for Financial Aid assistance can be found at: <http://templejc.edu/admissions/financial-aid/>

### PROGRAM REQUIREMENTS

FIRST SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
ENGL 1301 - Composition I ‡	3			**Meet with an academic advisor or department chair for university specific transfer course.
BIOL 1406 or BIOL 1411** ‡	3			‡ Must successfully complete course in order to progress in the AS BIOL degree.
CHEM 1411 - General Chemistry I*** ‡	4			DO THIS: Meet with academic advisor or Biology department chair to obtain copy of transfer university degree plan and to determine G.P.A. needed to transfer to desired university.
HIST 1301 - United States History I †	4			
<b>Semester Credit Hours</b>	<b>14</b>			
SECOND SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
ENGL 1302 - Composition II	3			** Meet with an academic advisor or department chair for university specific transfer course.
HIST 1302 - United States History II*	3			
BIOL 1407 or BIOL 1413** ‡	4			‡ Must successfully complete course in order to progress in the AS BIOL degree.
CHEM 1412 - General Chemistry II ‡	4			DO THIS: Schedule a campus tour with transfer university.
Any course from the Creative Arts core***	3			
<b>Semester Credit Hours</b>	<b>17</b>			
THIRD SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
GOVT 2305 - Federal Government	3			** Meet with an academic advisor or department chair for university specific transfer course.
MATH 2413 - Calculus I	4			
Select one course from list below***	3-4			DO THIS: Confirm courses for completion of AS degree by meeting with an academic advisor or department chair.
Select second course from list below***	3-4			
PSYC 2301, SOCI 1301, ECON 2301 or ECON 2302*** †	3			DO THIS: Start applying for admission to transfer university, and send first official transcript to transfer university.
<b>Semester Credit Hours</b>	<b>16-18</b>			
FOURTH SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
GOVT 2306 - Texas Government	3			** Meet with an academic advisor or department chair for university specific transfer course.
Select third course from list below***	3-4			
Select fourth course from list below, if needed.*** †	3-4			DO THIS: Apply for graduation for AS Biology.

# Challenges and Opportunities

- Challenges

- Communication with ISDs
- Differences in small vs large ISDs
- Varied endorsement focus
- Scalability

- Opportunities

- Established provider relationships
- Expanded intentional programming and advising

# Contact Information

Dr. Susan Guzmán-Treviño,  
Interim Vice President, Educational  
Services  
254-298-8383  
[sguzman@templejc.edu](mailto:sguzman@templejc.edu)

Dr. Daniel Spencer  
Associate Vice President, Academic  
Outreach and Extended Programs  
254-298-8619  
[daniel.spencer@templejc.edu](mailto:daniel.spencer@templejc.edu)

Kristen Griffith  
Director, Dual Credit  
254-298-8621  
[kristen.griffith@templejc.edu](mailto:kristen.griffith@templejc.edu)

