

# Tuloso-Midway High School

## ENDORSEMENT:

## Business and Industry

### Requires:

- (A) Mathematics
  - (1) Algebra I
  - (2) Geometry
  - (3) Advanced Mathematics
  - (4) Advanced Mathematics
- (B) Science
  - (1) Biology
  - (2) IPC or Chemistry
  - (3) Advanced Science Course
  - (4) Advanced Science Course
- (C) A Coherent Sequence in the Business and Industry Endorsement in one of the following:
  - (1) CTE (4 credits)
  - (2) English (4 credits)

## Business and Industry Programs of Study

*(Coherent Sequence in italics)*

### (CTE) **Plant Science** 4 credits

*Prin. of Ag, Food, and Nat. Resources  
Prin. and Elem of Floral Design (Fine Arts)  
Landscape Des & Turf Grass Mgt  
Advanced Agriculture Elective*

#### Recommendation:

*Adv. Plant and An Sci (Advanced Science)  
Professional Communication .5 (speech)*

### (CTE) **Animal Science** 4 credits

*Prin. of Ag, Food, and Nat. Resources  
One credit from the following:  
Livestock Production (.5)  
Small Animal Management (.5)  
Wildlife, Fisheries and Ecology Mgt (.5)*

*Veterinary Medical Applications  
Advanced Agriculture Elective*

#### Recommendation:

*Anatomy and Physiology (3<sup>rd</sup> Science)  
Advanced Animal Science (4<sup>th</sup> Science)  
Professional Communication .5 (speech)*

### (CTE) **Ag Mech & Metal Fab** 4 credits

*Prin. of Ag, Food, and Nat. Resources  
Ag Mechanics and Metal Technologies  
Ag Facilities Design and Fabrication  
Welding at TM, CTC and dual credit (2.0)*

#### Recommendation:

*Engineering Math (Advanced Math)  
Professional Communication .5 (speech)*

### (CTE) **Architecture** 4 credits

*Principles of Information Technology  
Interior Design  
Architectural Design  
Advanced Architectural Design*

#### Recommendation:

*Engineering Math (Advanced Math)  
Professional Communication .5 (speech)*

### (CTE) **Construction (Craft Training Center Partnership) [CTC]** 4 credits

*Piping and Plumbing Technology (2.0)  
Advanced Piping & Plumbing Tech (2.0)  
Electrical Technology (2.0)  
Advanced Electrical Technology (2.0)  
Instrumentation I [Electronics] (2.0)  
Instrumentation II [Adv Electronics] (2.0)  
Advanced Welding (2.0)*

#### Recommendation:

*Engineering Math (Advanced Math)  
Engineering Design and Presentation  
Professional Communication .5 (speech)*

## Business and Industry Programs of Study

*(Coherent Sequence in italics)*

### (CTE) **Audio Video Animation** 4 credits

*Principles of Information Technology*  
*Animation*  
*Advanced Animation*  
*Audio Video Production*

Recommendation:

*Professional Communication .5 (speech)*  
*Digital Arts and Animation (Fine Arts)*

### (CTE) **Emerging Info Tech** 4 credits

*Principles of Information Technology*  
*Web Technology*  
*Digital and Interactive Media*  
*Animation*

Recommendation:

*Professional Communication .5 (speech)*  
*Digital Arts and Animation (Fine Arts)*

### (CTE) **Information Technology** 4 credits

*Principles of Information Technology* ◇ ^  
*Computer Maintenance* ◇  
*Telecommunications and Networking* ◇ ^  
*Web Technology*  
*Digital and Interactive Media*

Recommendation:

*Professional Communication .5 (speech)*  
*Digital Arts and Animation (Fine Arts)*

### (CTE) **Business Management** 4 credits

*Principles of Business, Management & Finance*  
*Plus*

*Three credits from the following:*

*Business Information Management I*  
*Business Management*  
*Business Law/Touch System Data Entry*  
*Business information Management II*  
*Practicum in Business Management (2.0)*

Recommendation:

*Professional Communication .5 (speech)*

### (CTE) **Finance** 4 credits

*Principles of Business, Management & Finance*  
*Plus*

*Three credits from the following:*

*Business Information Management I*  
*Money Matters*  
*Accounting I*  
*Accounting II or Accounting DC*

Recommendation:

*Professional Communication .5 (speech)*

### (CTE) **Marketing** 4 credits

*Principles of Business, Management & Finance*  
*Plus*

*Three credits from the following:*

*Business Information Management I*  
*Marketing Dynamics (2-3)*  
*Practicum in Marketing Dynamics (2-3)*

Recommendation:

*Entrepreneurship*  
*Retailing & E-tailing/ Sports & Entertainment Mkt*  
*Professional Communication .5 (speech)*

### (CTE) **Transportation** 4 credits

*Energy, Power, and Transportation Systems*  
*Automotive Technology (2.0)*  
*Advanced Automotive Technology (2.0)*

Recommendation:

*Professional Communication .5 (speech)*

## Business and Industry Programs of Study

*(Coherent Sequence in italics)*

(CTE)	Process Technology (Del Mar College Partnership)	4 credits												
<p>Special Note:</p> <ol style="list-style-type: none"> <li>1. Process Technology is an 11-12 grade level Program</li> <li>2. Need assessment levels (see your counselor) <span style="float: right;">Reading, English and Math assessment levels (REM)</span></li> <li>3. PT can lead to certification and/or an Associate’s degree <span style="float: right;">REM Levels to meet are: R1,E1,M1</span></li> <li>4. Possible college hours earned: 25</li> <li>5. High school credits: 4</li> </ol>														
<table style="width: 100%; border: none;"> <tr> <td style="width: 10%;"><u>Level</u></td> <td style="width: 40%;">Fall</td> <td style="width: 10%; text-align: center;">/</td> <td style="width: 40%;">Spring</td> </tr> <tr> <td><b>5640</b></td> <td><i>Introduction to Process Technology [PTAC 1302]</i></td> <td></td> <td><b>5641</b> <i>Safety, Health, and Environment I [PTAC 1308] (Health credit)</i></td> </tr> <tr> <td><b>5648</b></td> <td><i>Business Computer Information Systems [BCIS 1305]</i></td> <td></td> <td><b>5647</b> <i>Special Topics in Communications [COMG 1391] (speech)</i></td> </tr> </table>			<u>Level</u>	Fall	/	Spring	<b>5640</b>	<i>Introduction to Process Technology [PTAC 1302]</i>		<b>5641</b> <i>Safety, Health, and Environment I [PTAC 1308] (Health credit)</i>	<b>5648</b>	<i>Business Computer Information Systems [BCIS 1305]</i>		<b>5647</b> <i>Special Topics in Communications [COMG 1391] (speech)</i>
<u>Level</u>	Fall	/	Spring											
<b>5640</b>	<i>Introduction to Process Technology [PTAC 1302]</i>		<b>5641</b> <i>Safety, Health, and Environment I [PTAC 1308] (Health credit)</i>											
<b>5648</b>	<i>Business Computer Information Systems [BCIS 1305]</i>		<b>5647</b> <i>Special Topics in Communications [COMG 1391] (speech)</i>											
<table style="width: 100%; border: none;"> <tr> <td style="width: 10%;"><u>Level II</u></td> <td style="width: 40%;">Fall</td> <td style="width: 10%; text-align: center;">/</td> <td style="width: 40%;">Spring</td> </tr> <tr> <td><b>5642</b></td> <td><i>Process Technology I – Equipment [PTAC 1410] .5</i></td> <td></td> <td><b>5646</b> <i>Process Technology II [PTAC 2420]</i></td> </tr> <tr> <td><b>5645</b></td> <td><i>Safety, Health, and Environment II [PTAC 2348] .5</i></td> <td></td> <td><b>5643</b> <i>Industrial Mathematics [TECM 1301]</i></td> </tr> </table>			<u>Level II</u>	Fall	/	Spring	<b>5642</b>	<i>Process Technology I – Equipment [PTAC 1410] .5</i>		<b>5646</b> <i>Process Technology II [PTAC 2420]</i>	<b>5645</b>	<i>Safety, Health, and Environment II [PTAC 2348] .5</i>		<b>5643</b> <i>Industrial Mathematics [TECM 1301]</i>
<u>Level II</u>	Fall	/	Spring											
<b>5642</b>	<i>Process Technology I – Equipment [PTAC 1410] .5</i>		<b>5646</b> <i>Process Technology II [PTAC 2420]</i>											
<b>5645</b>	<i>Safety, Health, and Environment II [PTAC 2348] .5</i>		<b>5643</b> <i>Industrial Mathematics [TECM 1301]</i>											

English (B&I)		4 credits
<p><i>Three credits must be in one of the following:</i></p> <p><i>Advanced Journalism: Yearbook I</i>  <i>Advanced Journalism: Yearbook II</i>  <i>Advanced Journalism: Yearbook III</i>  <i>Additional English Elective (recommend photo/journalism)</i></p> <p><i>Advanced Journalism: Newspaper I</i>  <i>Advanced Journalism: Newspaper II</i>  <i>Advanced Journalism: Newspaper III</i>  <i>Additional English Elective (recommend photo/journalism)</i></p>	<p><i>Three credits must be in one of the following:</i></p> <p><i>Public Speaking I (speech credit)</i>  <i>Public Speaking II</i>  <i>Public Speaking III</i>  <i>Additional English Elective</i></p> <p><i>Debate I (speech credit)</i>  <i>Debate II</i>  <i>Debate III</i>  <i>Additional English Elective</i></p>	