

# **AGRICULTURE**

Arrows denote completer sequences. Courses should be taken in sequential order.  
Alternate courses may be used to satisfy VDOE graduation sequence requirements.

Refer to [cteresource.org](http://cteresource.org) for updated VDOE completer sequences.

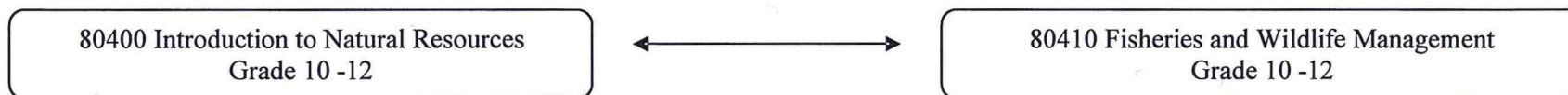
## **HORTICULTURE**



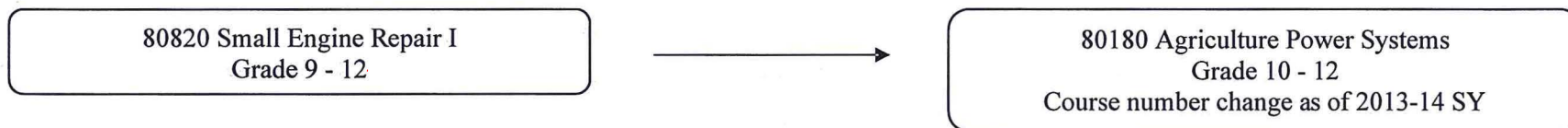
## **LANDSCAPING**



## **NATURAL RESOURCES**



## **SMALL ENGINE REPAIR**



### ANIMAL SCIENCE

80830 Small Animal Care  
Grade 9-12



80880 Veterinary Science  
Grade 10 - 12

### WELDING

80190 Welding I  
\*DE8019  
Grade 11-12  
This course can also be taught as T&I 8637



\*DE8095 Dual Enrolled Welding II  
Grade 11 - 12  
Course number change as of 2013-14 SY

<b><u>COMPLETER SEQUENCE</u></b>	<b>The following alternate courses <u>may be substituted</u> for one of the courses in the completer sequence. For transfer students, other DOE courses may be available.</b>
Horticulture	8007, 8036, 8038, 8039, 8055
Natural Resources	8007, 8008
Small Engine Repair	8008, 8019
Animal Science	8008, 8080

### ALTERNATE COURSES

8007 Introduction to Plant Systems  
Grade 9 - 10

8008 Agricultural Mechanics and Basic Animal Science  
Grade 9 - 10

8038 Floriculture  
Grade 10 - 12

8055 Floral Production and Design  
Grade 10 - 12

8080 Equine Management and Production  
Grade 9 - 12

# **BUSINESS AND INFORMATION TECHNOLOGY**

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## **ACCOUNTING**

6320 Accounting  
Grade 9-12



6321 Advanced Accounting  
Grade 10-12

## **COMPUTER INFORMATION SYSTEMS**

6612 Computer Information Systems  
Grade 10-12



6613 Advanced Computer Information Systems  
Grade 11-12

## **WEB DESIGN**

6630 Web Design  
Grade 11-12



6631 Desktop Publishing  
Grade 11-12

## **PROGRAMMING**

6640 Introduction to Interactive Programming  
Grade 11-12



6641 Advanced Programming  
Grade 11-12

<b><u>COMPLETER SEQUENCE</u></b>	<b>The following alternate courses <u>may be substituted</u> for one of the courses in the completer sequence. For transfer students, other DOE courses may be available.</b>
Accounting	6115, 6135, 6612, 6613, 6625, 6630, 6631
Computer Information Systems	6115, 6131, 6135, 6320, 6612, 6613, 6625, 6630, 6631, 6640, 6641, 6670
Web Design	6115, 6131, 6135, 6320, 6321, 6612, 6613, 6625, 6640, 6641, 6670
Programming	6115, 6612, 6613, 6630, 6631, 6640, 6670

## ALTERNATE COURSES

6115 Principles of Business and Marketing  
Grade 9-10

6131 Business Law  
Grade 11-12

6135 Business Management  
Grade 9-12

6640 Introduction to Interactive Programming  
Grade 11-12

6670 Information Technology (IT) Fundamentals  
Grade 9-10

6625 Word Processing  
Grades 9-12

6120 Economics and Personal Finance  
Grade 11-12

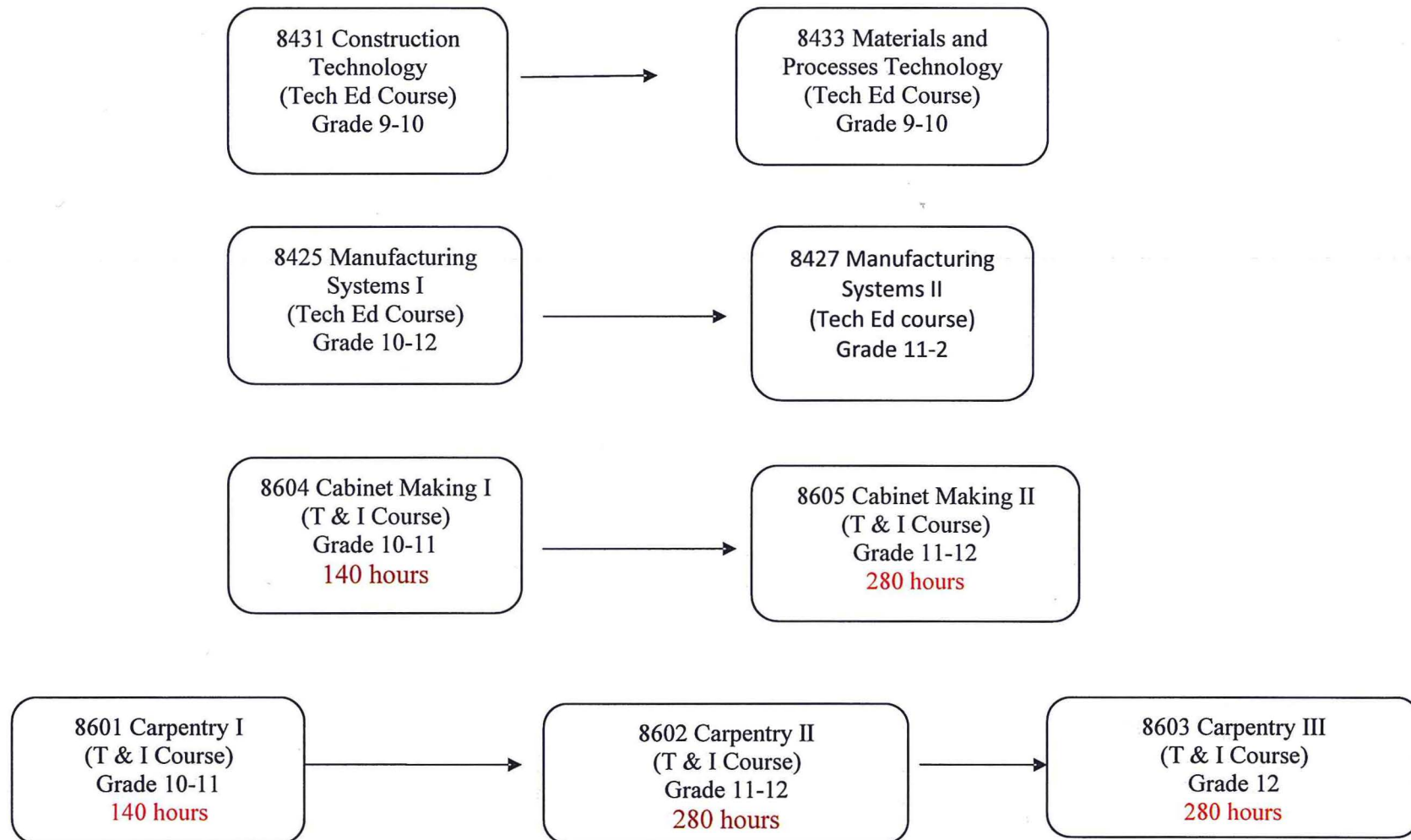
**Starting with the class of 2014-15, this course will be required for graduation and may not be used to meet any other graduation requirement.**

# **CABINETMAKING AND CARPENTRY**

## **Technology Education and Trades and Industry**

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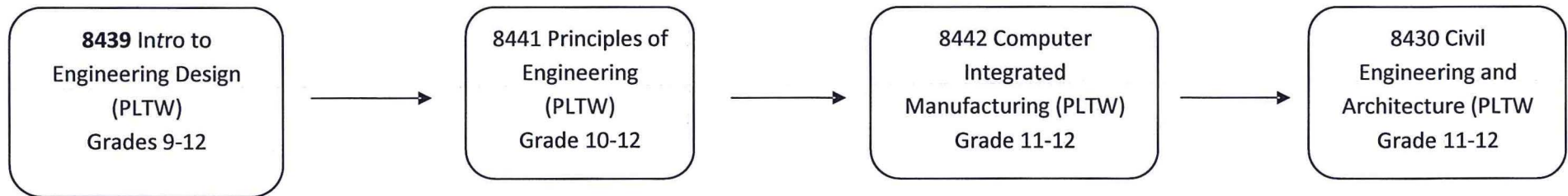
## Engineering Graphics and PLTW Engineering

**NOTE: 8439 and 8530 cover the same curriculum and can be taught con-currently. The course number used for an individual student must match the sequence in which it will be completed, based on the student's individual career plan.**

### **PRE-ENGINEERING (PLTW)**

#### **Technology Education courses**

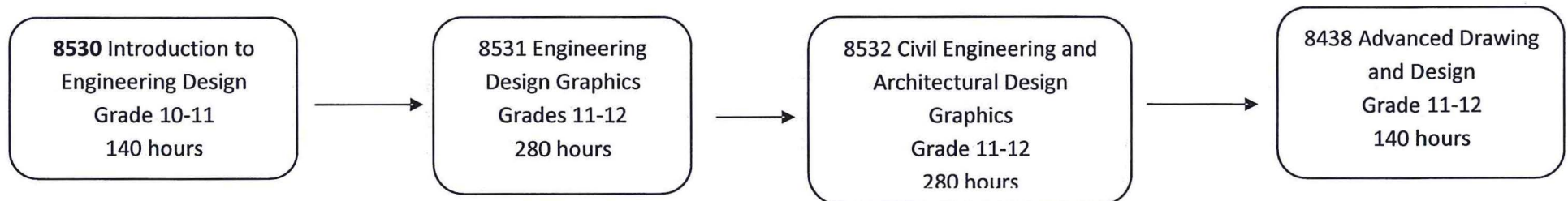
Arrows denote possible completer sequences- two course minimum. Courses are to be taken in grade level sequence.



### **ENGINEERING AND ARCHITECTURAL GRAPHICS**

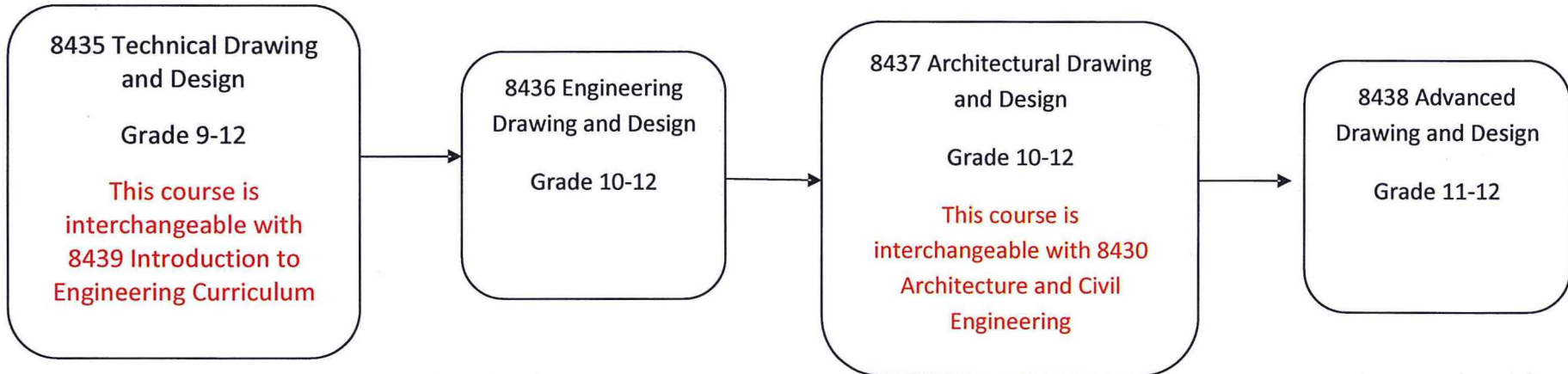
#### **Trades and Industry courses**

Arrows denote possible completer sequences- two course minimum. Courses are to be taken in grade level sequence.



## ENGINEERING AND ARCHITECTURE GRAPHICS

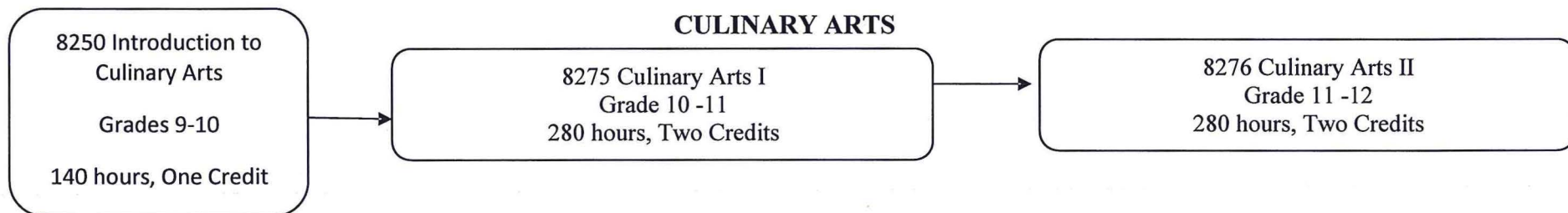
### Technology Education courses



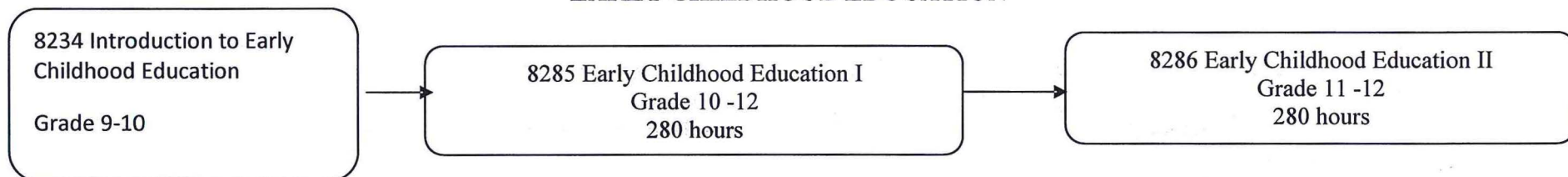
## **FAMILY AND CONSUMER SCIENCES**

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Alternate courses may be used to satisfy VDOE graduation sequence requirements.  
Refer to [cteresource.org](http://cteresource.org) for updated VDOE completer sequences.

### **CULINARY ARTS**



### **EARLY CHILDHOOD EDUCATION**





## ALTERNATE COURSES

8219 Independent  
Living  
Grade 9 - 11

8225 Family Relations  
Grade 9 - 12

8223/8228 Family Relations  
/Nutrition and Wellness  
Grade 9 - 12

8229 Nutrition and/  
Wellness  
Grade 9 - 12

8259 Introduction to  
Hospitality, Tourism and  
Recreation  
Grade 9 - 12

8295 Interior Design I  
Grade 10 - 12  
280 hours

8255 Introduction to  
Interior Design  
Grade 10 - 12

8248 Introduction to  
Design  
Grade 9 - 12

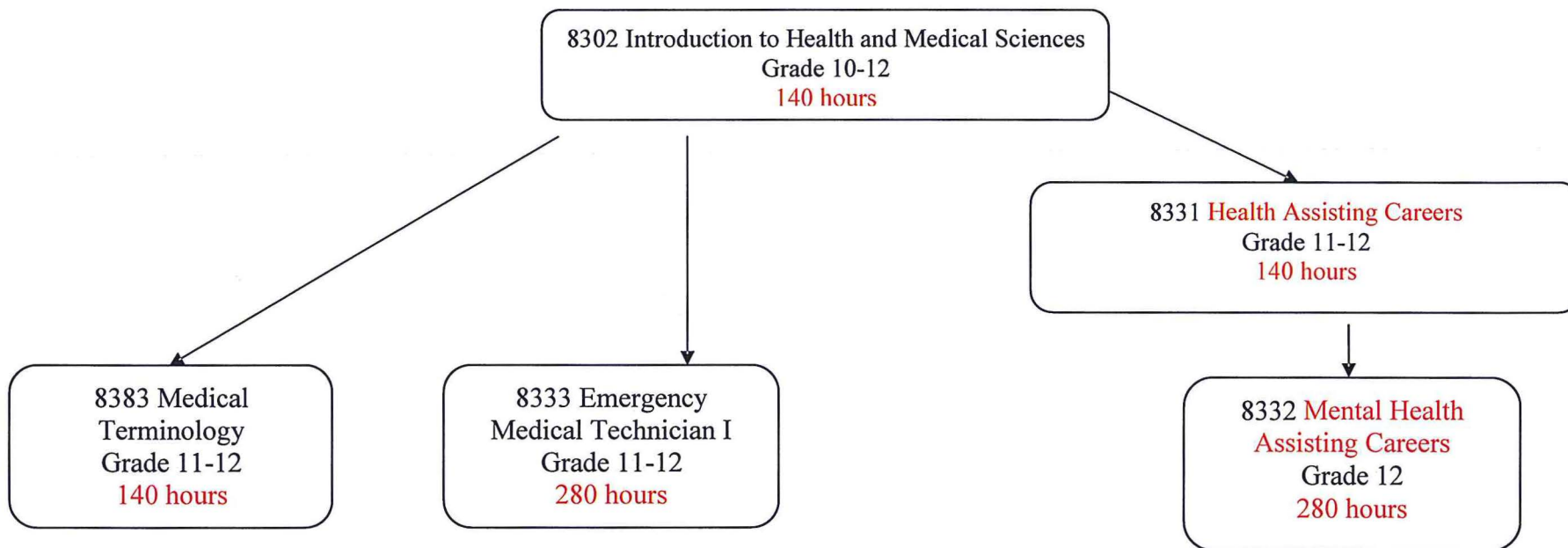
8279 Culinary Arts Specialization (Formerly Culinary  
Arts III))  
Grade 12  
140 hours, One Credit

<p><b><u>COMPLETER SEQUENCE</u></b></p>	<p>The following alternate courses <u>may be substituted</u> for one of the courses in the completer sequence. Any two course on the same line <u>may</u> be a sequence. Always check <a href="http://cteresource.org">cteresource.org</a>. Other DOE courses may be available may be available for transfer students.</p>
<p>Culinary Arts 8275, 8276</p>	<p>8279, 8250, 8229, 8219, 8229</p>
<p>Early Childhood Education 8285, 8286</p>	<p>8234, 8225, 8223/8228, 8229,</p>
<p>Family Relations 8225</p>	<p>8219, 8229, 8295, 8234</p>
<p>Independent Living 8219</p>	<p>8225, 8229, 8259, 8295, 8234, 8248, 8255</p>
<p>Nutrition and Wellness 8229</p>	<p>8219, 8225, 8259, 8234,</p>
<p>Introduction to Interior Design 8255</p>	<p>8219, 8225, 8295,</p>

# HEALTH AND MEDICAL SCIENCES

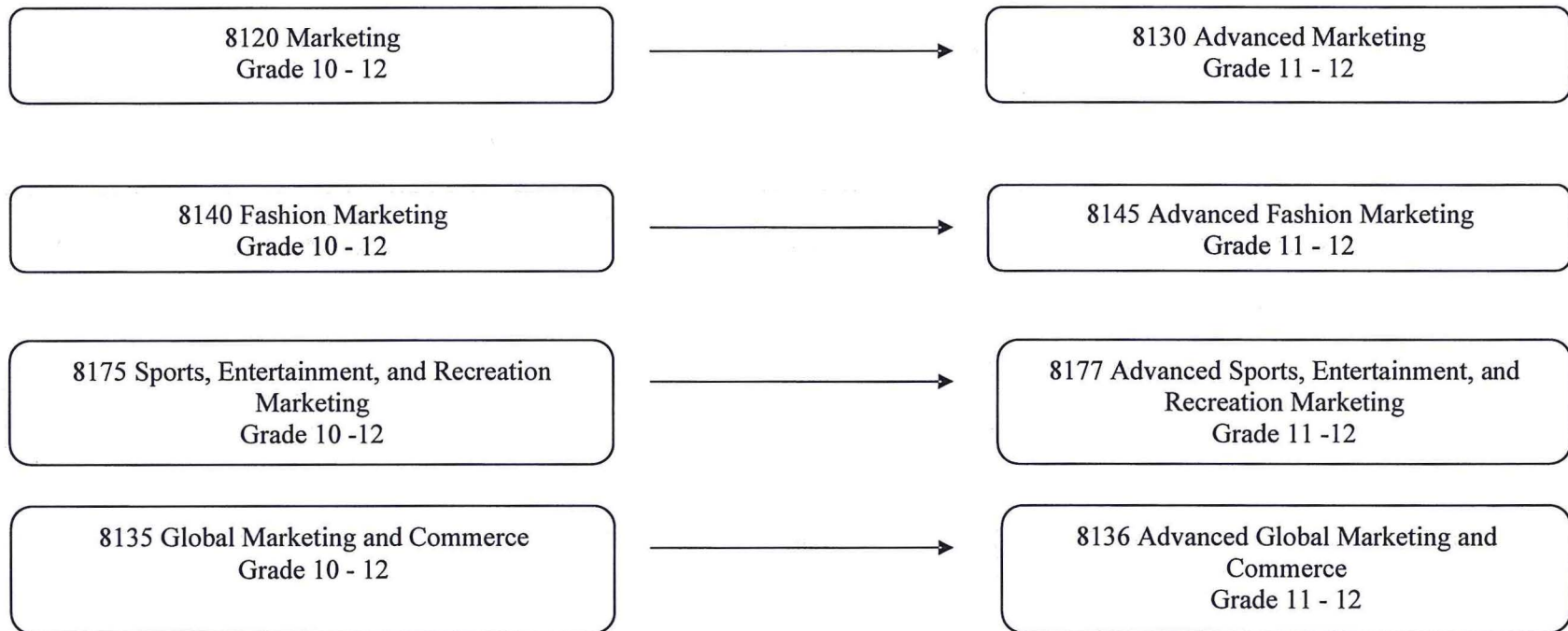
Arrows denote completer sequences- two course minimum.  
Courses offered as dual enrolled must be grade 11-12 only.  
Refer to [cteresource.org](http://cteresource.org) for updated VDOE completer sequences.

## HEALTH OCCUPATIONS



## MARKETING

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<b><u>COMPLETER</u></b> <b><u>SEQUENCE</u></b>	<b>The following alternate courses <u>may be substituted</u> for one of the courses in the completer sequence. For transfer students, other DOE courses may be available.</b>
Marketing	8125, 8135, 8136, 8140, 8145, 8175, 8177
Fashion Marketing	8120, 8125, 8135, 8136
Sports, Entertainment, and Recreation Marketing	8120, 8125, 8135, 8136
Global Marketing and Commerce	8120, 8125, 8130, 8140, 8145, 8175, 8177

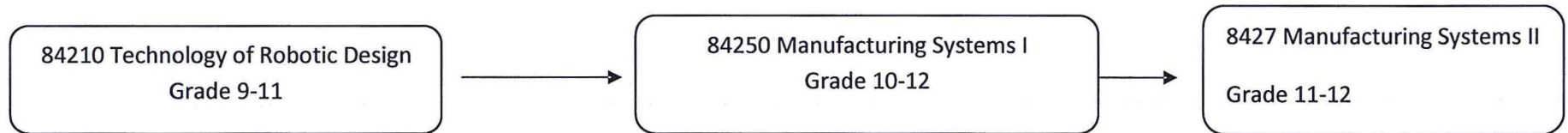
## **ALTERNATE COURSE**

8125 Digital Marketing  
Grade 11 - 12

## **Robotics TECHNOLOGY EDUCATION**

Arrows denote completer sequences. Courses should be taken in sequential order.  
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### **ROBOTICS and MANUFACTURING Technology Education**



### **FIRST ROBOTICS LEAGUE**

**Local Electives**

**NOT PART OF ANY CTE COMPLETER SEQUENCE**



# **TRADE AND INDUSTRIAL**

Any two courses connected by an arrow constitute a complete sequence.

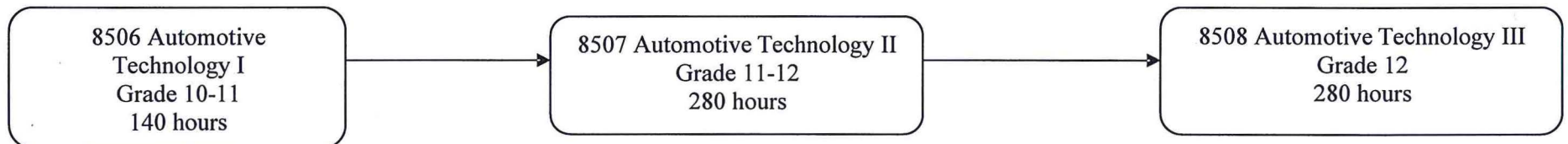
Courses should be taken in sequential order.

Refer to [cteresource.org](http://cteresource.org) for updated VDOE complete sequences.

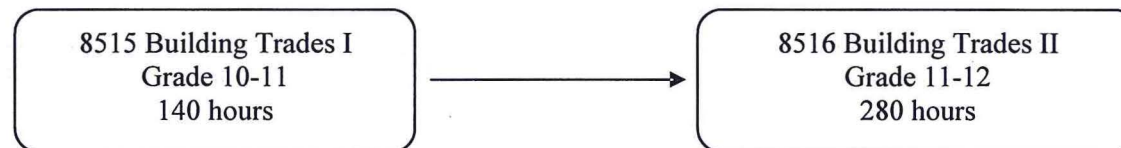
## **ADVERTISING DESIGN**



## **AUTOMOTIVE TECHNOLOGY**



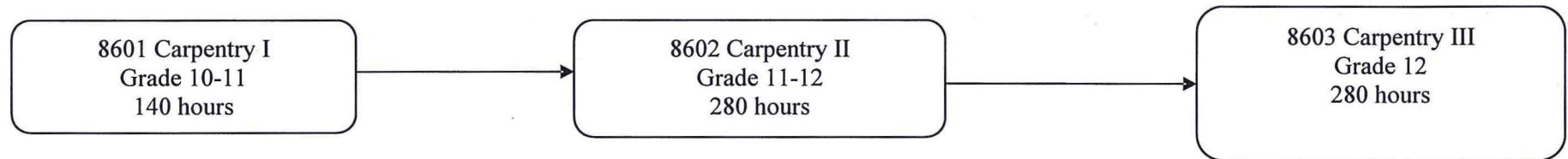
## **BUILDING TRADES**



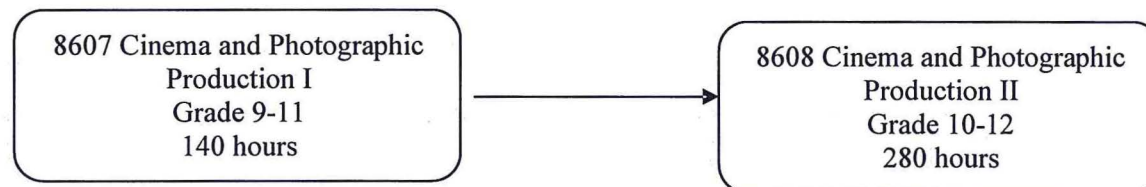
### CABINET MAKING



### CARPENTRY

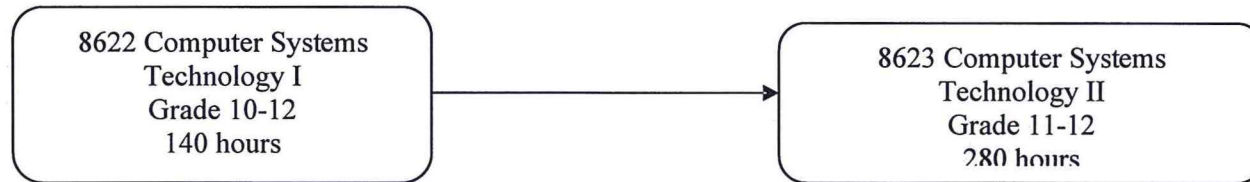


### CINEMA & PHOTOGRAPHIC PRODUCTION I





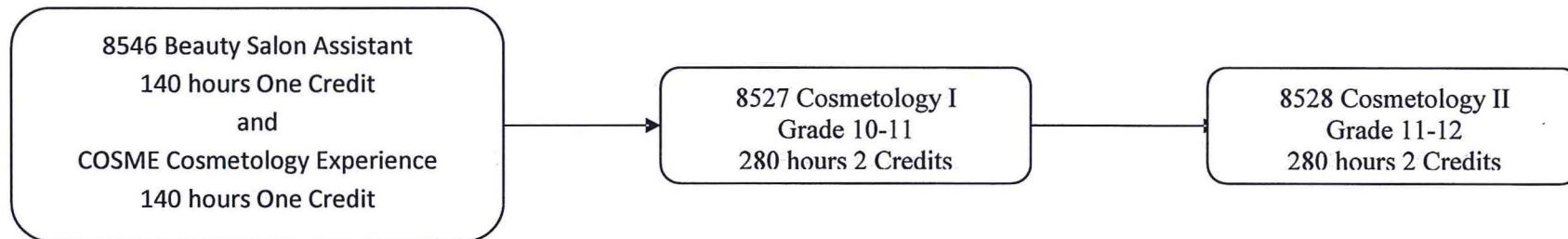
## COMPUTER SYSTEMS TECHNOLOGY



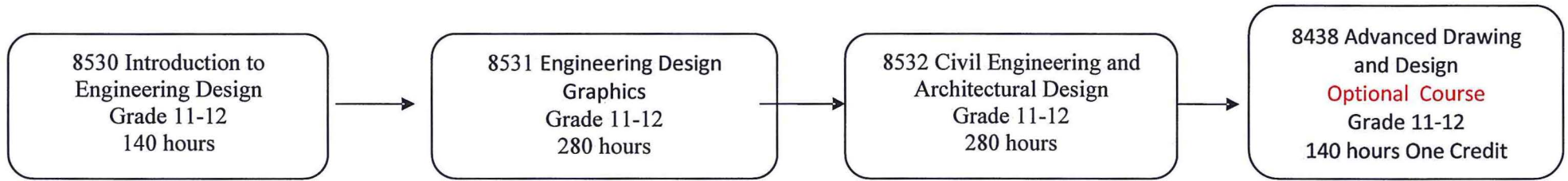
## COSMETOLOGY

**A minimum of six credits are required for licensure testing**

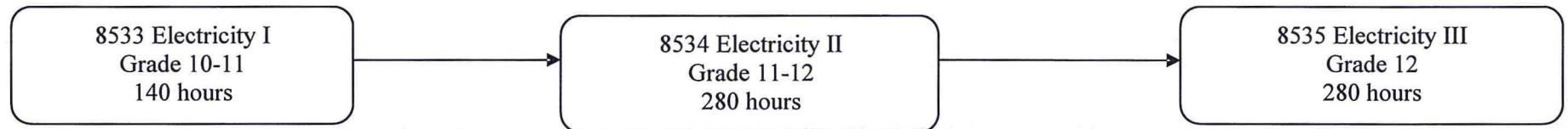
**8546 and COSME are prerequisites for Cosmetology I**



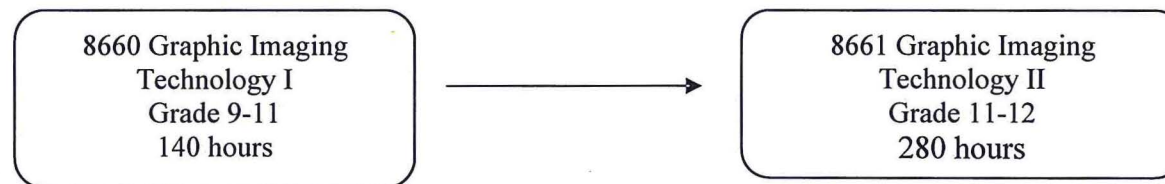
### DRAFTING / PRE-ENGINEERING



### ELECTRICITY



### GRAPHIC IMAGING TECHNOLOGY



**HVAC**



**PRECISION MACHINING TECHNOLOGY**

