



## CAREER CLUSTER INFORMATION

### The Career Options Law—Five Year Plan According to ACT 1124

Each student will develop an *Individual Graduation Plan*, with the input of his/her family, starting in the 8<sup>th</sup> grade and ending in the 12<sup>th</sup> grade. Such a plan shall include a sequence of courses, which is consistent with the student's stated goals for one year after graduation. Each student's *Individual Graduation Plan* shall be reviewed and revised annually thereafter by the student, parents, and school advisor.

The *Individual Graduation Plan* consist of the following: **4 credits in Primary courses** and **2 credits in Related courses** of which one credit must be a computer technology course. The following pages outline the Career Clusters and Areas of

Concentration with course recommendations for each grade level. **Courses with an (\*) asterisk are required, and at least one must be completed as a Primary course.**

If a student successfully meets all requirements for a Career/Technical Endorsement or Academic Endorsement, **the student will receive special recognition at graduation** and will have an appropriate endorsement distinction on their diploma.

In addition to the requirements for an Academic or Career/Technical Endorsement, students are responsible for ensuring that they meet diploma, TOPS and postsecondary requirements.

PRHS provides junior and senior students the opportunity to participate in a Dual Enrollment program that allows them

**to earn college credit while still attending high school at little or no cost to the student.** Students may also earn an

Industry-based certification upon successfully completion of coursework and exam.

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☞ **Student must complete at least one competency course credit, as designated by an asterisk.**

☞ **Senior Project has to be related to the student's career major and area of concentration.**

☞ **All foreign language courses are included in the Related Courses.**

### **Cluster 01: Agriculture, Food & Natural Resources**

Area of Concentration: Agriculture Production, Management, & Entrepreneurship

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Agriculture I, II, III Horticulture I, II Accounting I Fine Arts Survey

Agriscience Construction Environmental Science Adv. Nutrition and Food Computer Multimedia Applications (IBCA)

CTE Internship Meat Processing Basic Wood Technology NCCER Welding-Ag

Education for Careers or

Journey to Careers

Nutrition and Food Chemistry Senior Project

Drafting Technology I Senior Applications in Eng.

Entrepreneurship Speech I

Financial Math Welding I

**Industry Based Certification:** NCCER Welding, NCCER Carpentry, Landscape Contractor

**Postsecondary Programs:** Ag Sciences, Ag Production, Farm and Ranch Mgmt., Fishing and Fisheries Sciences & Mgmt., Food Sciences &

Tech., Forestry and Related Sciences, NCCER-Carpentry, NCCER-Electrical

**Occupations:** Agricultural Product Inspections, Biology Teacher, Conservation Specialist, Environmental Specialist, Fish and Game Officer,

Fisheries Manager, Forest Worker, Park Manager, Water Monitoring Technician

### **Cluster 01: Agriculture, Food, & Natural Resources**

**Area of Concentration: Horticulture**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Agriculture I, II, III \*Horticulture Accounting I Environmental Science

CTE Internship Landscape Design Art I Financial Math

Education for Careers or

Journey to Careers

Basic Drafting Computer Multimedia

Applications - IBCA

Biology II Senior Project

Chemistry Speech I

Entrepreneurship World Geography

**Industry Based Certifications:** Certified Nursery Landscape Professional, Horticulturist License, Landscape Contractor

**Postsecondary Education Programs:** Horticulture, Plant Science

**Occupations:** Biochemists, Botanist, Certified Crop Advisor, Florist, Forest Geneticist, Greenhouse Manager, Golf Course Superintendent,

Landscape Architect/Contractor, Lawn Service and Groundskeeping, Pesticide Handlers, Sprayers, and Applicators, Tree Surgeon

## **Cluster 02: Architecture and Construction**

### **Area of Concentration: Architecture**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Adv. Tech. Drafting CTE Internship Adv. Wood Technology NCCER Carpentry I-TE

\*Architectural Drafting \*Drafting Tech. I, II Art III/IV NCCER Welding-Ag

\*Basic Tech. Drafting Education for Careers or

Journey to Careers

Basic Wood Technology NCCER Welding I-TE

Construction Tech. Pre-Calculus Physics

Entrepreneurship Senior Project

Financial Math Speech I, II

Computer Multimedia

Applications - IBCA

Welding I

**Industry Based Certifications:** Autocad, MOUS, NCCER Carpentry

**Postsecondary Education Programs:** Architectural Engineering, Architecture

**Occupations:** Architect, Architectural/Civil Drafter, Cartographers and Photogrammetrists, Civil Engineering, Landscape Architects,

Mechanical Drafter, Surveyor, Teacher

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## **Cluster 02: Architecture and Construction**

### **Area of Concentration: Carpentry and Construction**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Adv. Tech. Drafting \*Carpentry Technology Agriscience I Physics

\*Adv. Wood Technology CTE Internship Art I Pre-Calculus

Agriscience I, II, III Education for Careers or

Journey to Careers

Basic Drafting Senior Project

Ag. Construction Entrepreneurship Speech I, II

Architectural Drafting \*NCCER Carpentry-Ag Financial Math

Basic Tech. Drafting \*NCCER Carpentry-TE Multimedia App - IBCA

NCCER Welding-Ag

**Industry Based Certifications:** Autocad, NCCER Certification-Carpentry, NCCER Certification-Welding

**Postsecondary Education Programs:** Autocad, Construction Management

**Occupations:** Carpenters, Construction and Building Inspectors, Construction Related Workers, Insulation Workers, Painters, Construction

and Maintenance, Roofers, Security and Fire Alarm Systems, Woodworking Machine Setters, Operators, and Tenders

## **Cluster 02: Architecture and Construction**

### **Area of Concentration: Drafting**

#### **Primary Courses (4 Credits) Secondary Courses (2 Credits)**

\*Adv. Tech. Drafting CTE Internship Art I Computer Multimedia

Applications - IBCA

Adv. Wood Technology Education for Careers or

Journey to Careers

Chemistry NCCER Carpentry-Ag

\*Architectural Drafting Construction Technology Physics

\*Basic Tech. Drafting Entrepreneurship Pre-Calculus

Basic Wood Technology Financial Math Senior Project

Fine Arts Survey Speech I, II

**Industry Based Certifications:** Autocad, NCCER Carpentry

**Postsecondary Education Programs:** Drafting

**Occupations:** Architects, Computer Aided Drafter, Engineering Technician, Urban Planner/Designer

## **Cluster 03: Arts, A/V Technology, and Communication**

### **Area of Concentration: Graphic Arts**

Primary Courses (4 Credits) Secondary Courses (2 Credits)

Art I, II, III Education for Careers or

Journey to Careers

Accounting I Computer Multimedia

Applications - IBCA

CTE Internship Architectural Drafting Publication-Yearbook

Graphic Design Multimedia Production Basic Tech. Drafting Senior Project

Entrepreneurship Sociology

Financial Math Speech I

Fine Arts Survey 3D Animation/Web Design

**Industry Based Certifications:** Autocad

**Postsecondary Education Programs:** Apprenticeship, Two-year postsecondary education

**Occupations:** Commercial Artists, Illustrators, all Media, Curators and Gallery Managers, Graphic Designer, CAD Technicians, Fashion

Illustrators

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## **Cluster 03: Arts, A/V Technology, and Communication**

### **Area of Concentration: Liberal Arts**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Art I, II Fine Arts Survey Adv. Technical Drafting Psychology

\*Beginning Band Speech I, II Entrepreneurship Publications-Yearbook

\*Beginning Choir \*Theatre I Financial Math Senior Project

Education for Careers or

Journey to Careers

Computer Multimedia

Applications - IBCA

Sociology

**Industry Based Certifications:** Autocad

**Postsecondary Education Programs:** English, Fine Arts

**Occupations:** Art, Drama, Music Teachers, Museum Curator, Public Relations Specialist

## **Cluster 03: Arts, A/V Technology, and Communication**

### **Area of Concentration: Performing Arts**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Advanced Band Piano Class Art III Computer Multimedia

Applications - IBCA

Beginning Band Publications I, Yearbook Basic Tech. Drafting Psychology

Beginning Choir Speech I, II Basic Wood Technology Senior Project

Education for Careers or

Journey for Careers

Talented Music I-IV Entrepreneurship TV Production

Talented Theatre I-IV Financial Math World Geography

Fine Arts Survey World History

**Industry Based Certifications:**

**Postsecondary Education Programs:** Dance, Music, Performing Arts

**Occupations:** Cinematographers, Film Video Editors, Composers, Conductors, and Music Instructors, Dancers, Directors and Coaches,

Performers, Actors, Musicians, Production Managers, Stage Designers, Lighters, Sets, Sound Effects, Acoustics,

Painters

## **Cluster 04: Business, Management, and Administration**

### **Area of Concentration: Administrative Support**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Accounting I Entrepreneurship Business Educ. Elective Publications I-Yearbook

\*Business Comp. App. Financial Math Financial Math Senior Project

CTE Internship \*Computer Multimedia

Applications - IBCA

Pre-Calculus Sociology

Graphic Design Speech I, II Psychology

Education for Careers or

Journey for Careers

\*Word Processing

**Industry Based Certifications:** Microsoft Certified Application Specialist, MCAS (Word, Excel, Access, PowerPoint)

**Postsecondary Education Programs:** Management and Supervision, Office Administration

**Occupations:** Administrative Assistant, Computer Operator, Data Entry Specialist, Desktop Publisher, Executive Assistant, Information

Assistant, Office Manager, Receptionist, Word Processor

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## **Cluster 04: Business, Management, and Administration**

### **Area of Concentration: Business Administration**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Accounting I Entrepreneurship Business Educ. Elective Sociology

Business Computer App. Financial Math Law Studies Speech I, II

CTE Internship Computer Multimedia

Applications - IBCA

Pre-Calculus World History

Education for Careers or

Journey to Careers

Speech I, II Psychology World Geography

Word Processing

**Industry Based Certifications:** Microsoft Certified Application Specialist, MCAS (all five levels)

**Postsecondary Education Programs:** Accounting, Business Administration, Gen. Business, Human Resources Mgmt.

**Occupations:** Chief Executive Officer, Controller, Entrepreneurship, Financial Analyst, General Manager,

Government Manager, Hospital

Manager, Public Relations Manager, Risk Manager

## **Cluster 05: Education and Training**

### **Area of Concentration: Advanced Studies**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Algebra II Geometry Art I Psychology

Biology II Physics Biology Elective Publications-Yearbook

Chemistry I, II Pre-Calculus Computer Multimedia

Applications - IBCA

Senior Project

Education for Careers

Journey to Careers

Psychology Law Studies Sociology

World Geography STAR I

Environmental Science World History

Fine Arts Survey

**Industry Based Certifications: STAR**

**Postsecondary Education Programs:** Education, Foreign Language, Math, Science, Social Studies

**Occupations:** Historian, Language Interpreter, Mathematician, Scientist, Teacher

## **Cluster 05: Education and Training**

### **Area of Concentration: Education**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Advanced Child Dev. Psychology Algebra II First Responder

Child Development Sociology Art I Computer Multimedia

Applications - IBCA

CTE Internship Speech I, II Biology II Physics

Education for Careers or

Journey to Careers

\*STAR I, II Chemistry Pre-Calculus

Entrepreneurship Senior Project

Financial Math Speech I, II

Fine Arts Survey

**Industry Based Certifications:** First Responder, STAR

**Postsecondary Education Programs:** Education

**Occupations:** Child Care Director, College Professor, Early Childhood Teacher Assistant, Elementary Teacher Aide, Preschool or Kindergarten

Teacher Aide, Secondary Teacher Aide, Special Education Teacher Aide

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## **Cluster 05: Education and Training**

### **Area of Concentration: General Studies**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Accounting Entrepreneurship Automotive Tech. I Publications-Yearbook

Adult Responsibilities FACS I, II Biology Elective Parenthood Education

Agriscience I, II, III \*Horticulture Financial Math STAR I

Art I \*Computer Multimedia

Applications - IBCA

\*NCCER Carpentry 3D Animation/Web Design

\*BCA Parenthood Education \*NCCER Welding-Ag

Education for Careers or

Journey to Careers

Speech I, II \*NCCER Welding-TE

**Industry Based Certifications:** Certified Nursery & Landscape Professional, Horticulture License, Landscape Contractor, MOUS/MCASS,

NCCER Carpentry, NCCER Welding, STAR

**Postsecondary Education Programs:** All Community College and LTC Programs

**Occupations:** Carpenter, Electrician, Hospitality, Information Technology, Military, Nursery/Landscaping, Service Worker, Teacher, Welder

## **Cluster 06: Finance**

### **Area of concentration: Banking and Finance**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Accounting I Journey to Careers or

Education for Careers

Business Education Elective Sociology

\*Business Computer App. Pre-Calculus Word Processing

CTE Internship \*Financial Math Senior Project World History

\*Intro to Bus. Comp. App.

**Industry Based Certifications:** Customer Service, Microsoft Certified Application Specialist

**Postsecondary Education Programs:** Accounting, Business Administration, Finance

**Occupations:** Credit Analyst, Investment Advisor, Loan Officer, Operations Manager, Personal Financial Advisor, Tax Preparer, Teller

## **Cluster 07: Government and Public Administration**

### **Area of Concentration: JROTC**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Education for Careers or

Journey to Careers

Law Studies Biology II Physics

World Geography Construction Technology Pre-Calculus

\*Jr. NROTC I-IV Entrepreneurship Psychology

Financial Math` Senior Project

First Responder Sociology

Computer Multimedia

Applications - IBCA

Speech I

P.E. III World Geography/World

History

**Industry Based Certifications:** First Responder

**Postsecondary Programs:** Criminal Justice

**Occupations:** Air Defense Artillery Officer, Combat Control Officer, Infantry Officer and Specialist, Military

Intelligence Officer, Missile and Space

Systems Officer, Munitions Officer and Specialist, Submarine Officer

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## **Cluster 08: Health Science**

### **Area of Concentration: Emergency Health Care**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

CTE Internship Health Science I, II Adv. Nutrition and Food Physics

Education for Careers or

Journey to Careers

CNA Algebra II Pre-Calculus

Psychology Biology II Senior Project

\*EMT-Basic Financial Math Sociology

Health & P.E. III Speech I, II

**Industry Based Certifications:** CNA, EMT-Basic, First Responder

**Postsecondary Programs:** Allied Health, Biology, EMT-Basic, Nursing, Paramedic, Pre-Med, Sports Medicine

**Occupations:** Athletic Trainer, EMT-Basic, EMT-Intermediate, First Responder, Nursing, Paramedic

## **Cluster 08: Health Science**

### **Area of Concentration: Health Professional**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Biology II EMT-Basic Adv. Nutrition and Food Computer Multimedia

Applications - IBCA

Chemistry II First Responder Algebra II Nutrition and Food

CTE Internship \*Health Science I, II Chemistry Physics

Education for Careers or

Journey to Careers

CNA Child Development Psychology

Pharmacy Technician Entrepreneurship Senior Project

Financial Math Sociology

Forensic Science Speech I, II

**Industry Based Certifications:** CNA, EMT-Basic, First Responder, Pharmacy Tech.

**Postsecondary Education Programs:** Allied Health, Biology, Dental, Microbiology, Nursing, Pharmacy, Pre-Med,

Sports Medicine

**Occupations:** Health Educator, Health Information Coder, Healthcare Administrator, Lab Tech, Licensed Practical

Nurse, Medical Assistant, Patient

Advocate, Physician, Physician's Assistant, Psychiatric Tech, Radiology Tech, Surgical Tech.

## **Cluster 08: Health Science**

### **Area of Concentration: Nursing**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*CNA EMT-Basic Adv. Nutrition and Food Nutrition and Food

CTE Internship First Responder Biology II P.E. III

Education for Careers or

Journey to Careers

Health Science I, II Chemistry Physics

Child Development Pre-Calculus

Entrepreneurship Psychology

Financial Math Senior Project

Computer Multimedia

Applications - IBCA

Sociology

Speech I, II

**Industry Based Certifications:** CNA, EMT-Basic, First Responder

**Postsecondary Education Programs:** EKG Technician, Nursing, Phlebotomy, Pre-Nursing

**Occupations:** Home Health Aide, Licensed Practical Nurse, Nursing Assistant, PCT, Registered Nurse

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## **Cluster 08: Health Science**

### **Area of Concentration: Nutrition and Food**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Adv. Nutrition and Food CTE Internship Adult Responsibilities Financial Math

Chemistry Family & Consumer Sc. Biology II Computer Multimedia

Applications - IBCA

Education for Careers or

Journey to Careers

\*Nutrition and Food Child Development CNA

Entrepreneurship Senior Project

Environmental Science Speech I, II

Family & Consumer Sc.

**Industry Based Certifications:** CNA

**Postsecondary Education Programs:** Nutrition and Food

**Occupations:** Dietetic Technician, Dietitian, Food Services Manager/Supervisor/Director, Nutritionist

## **Cluster 08: Health Science**

### **Area of Concentration: Pharmacy**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Biology II Education for Careers or

Journey to Careers

Adv. Nutrition and Food Physics

Chemistry I Chemistry II Pre-Calculus

CTE Internship \*Pharmacy Technician Entrepreneurship Senior Project

Health Science II Financial Math Speech I, II

Nutrition and Food

**Industry Based Certifications:** Pharmacy Technician

**Postsecondary Education Programs:** Pharmacy

**Occupations:** Pharmacist, Pharmacy Technician



## **Cluster 10: Human Services**

### **Area of Concentration: Management of Family Resources**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Adult Responsibilities FCS I, II Accounting I FCS I

Adv. Nutrition and Food Financial Math Algebra II Computer Multimedia

Applications - IBCA

CTE Internship Nutrition and Food Business Educ. Elective Physical Science

Education for Careers or

Journey to Careers

\*Parenthood Education Child Development Pre-Calculus

Psychology Entrepreneurship Senior Project

Sociology Environmental Science Speech I, II

**Industry Based Certifications:** Customer Service

**Postsecondary Education Programs:** Family and Consumer Science, Human Ecology, Social Science

**Occupations:** Certified Financial Planner, Consumer Advocate, Consumer Affairs Officer, Consumer Credit Counselor, Consumer Research

Department Representative, Cooperative Extension Specialist, Market Researcher

## **Cluster 10: Human Services**

### **Area of Concentration: Social Services**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Adult Responsibilities Parenthood Education Accounting I Computer Multimedia

Applications - IBCA

\*Child Development Psychology Entrepreneurship Senior Project

CTE Internship \*Sociology Financial Math World History

Education for Careers or

Journey to Careers

Speech I, II

**Industry Based Certifications:** Customer Service

**Postsecondary Education Programs:** Mental Health Services, Social Work

**Occupations:** Marriage, Child and Family Counselor, Psychologist, Social and Human Services Assistant, Social Worker, Sociologist

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## **Cluster 11: Information Technology**

### **Area of Concentration: Information Systems**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Business Comp. App. Computer Multimedia

Applications - IBCA

Accounting Pre-Calculus

CTE Internship Multimedia Production Algebra II Publication-Yearbook

\*Graphic Design Psychology Chemistry Senior Project

Education for Careers or

Journey to Careers

Word Processing Entrepreneurship Sociology

\*3D Animation/Web Design Physics Speech I, II

**Industry Based Certifications:** Microsoft Certified Application Specialist

**Postsecondary Education Programs:** Computer and Information Science and Support Services, Computer and Information Sciences, Information

Systems Applications, Web Administrator

**Occupations:** Database Administrator, Desktop Publisher, E-Business Specialist, Publications Specialist, Support Engineer, Technical Communicator

## **Cluster 12: Law, Public Safety, Corrections, and Security**

### **Area of Concentration: Law Enforcement Services**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

CTE Internship NJROTC IV Entrepreneurship Science Elective

Education for Careers or

Journey to Careers

\*Law Studies Financial Math Senior Project

Psychology NJROTC III Social Studies Elective

EMT-Basic Sociology Health Science II World Geography

First Responder Speech I, II P.E. III World History

Forensic Science

**Industry Based Certifications:** EMT-Basic, First Responder, Customer Service

**Postsecondary Education Programs:** Criminal Justice, Customer Service

**Occupations:** Forensic Scientist, Investigator

## **Cluster 12: Law, Public Safety, Corrections, and Safety**

### **Area of Concentration: Legal Services**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Education for Careers or

Journey to Careers

Psychology Accounting I Health Science II

Sociology Business Educ. Elective P. E. III

Internship (Non-CTE) Speech I, II Entrepreneurship [p Psychology

\*Law Studies Financial Math Senior Projection

Fine Arts Survey Sociology

Computer Multimedia

Applications - IBCA

World History

**Industry Based Certifications:** MCAS, Customer Service

**Postsecondary Education Programs:** Law

**Occupations:** Lawyer, Paralegal

## **Cluster 13: Manufacturing**

### **Area of Concentration: Welding**

#### **Primary Courses (4 Credits) Related Courses (2 Courses)**

Agriscience I, II, III \*NCCER Welding-Ag Accounting I Computer Multimedia

Applications - IBCA

Basic Tech. Drafting \*NCCER Welding I-TE Advanced Tech. Drafting Physical Science

CTE Internship Welding I Architectural Drafting Physics

Education for Careers or

Journey to Careers

Construction Technology Pre-Calculus

Entrepreneurship Senior Project

Financial Math Speech I, II

Geometry

**Industry Based Certifications:** Autocad, NCCER Welding –Ag, NCCER Welding I-TE

**Postsecondary Education Programs:** Apprenticeship, Two-year postsecondary education

**Occupations:** Drafting, Welder

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## **Cluster 14: Marketing, Sales and Services**

### **Area of Concentration: Entrepreneurship**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

Accounting I \*Entrepreneurship Computer Multimedia

Applications - IBCA

Senior Project

CTE Internship Financial Math Psychology Sociology

Education for Careers

Journey for Careers

Senior Applications in Eng. Speech I, II

**Industry Based Certifications:** Customer Service

**Postsecondary Education Programs:** Business Marketing Operations, Enterprise Management & Operations, Entrepreneurship

**Occupations:** Chief Executive Officer, Entrepreneur, Franchisee, Independent Distributor, Small Business Owner

## **Cluster 15: Science, Technology, Engineering and Mathematics**

### **Area of Concentration: Drafting**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Advanced Tech. Drafting CTE Internship Advanced Wood Tech. Fine Arts Survey

Architectural Drafting Education for Careers or

Journey to Careers

Algebra II Geometry

\*Basic Tech. Drafting Art I Computer Multimedia

Applications - IBCA

Basic Wood Technology Physics

Biology II Pre-Calculus

Chemistry Psychology

Construction Tech. Senior Project

Entrepreneurship Sociology

**Industry Based Certification:** Autocad, Customer Service, NCCER Carpentry I-TE

**Postsecondary Education Programs:** Architectural Engineering, Drafting & Design, Interior Design, Landscape Arch.

**Occupations:** Architectural Engineers, Drafter, Landscape Architect, Mechanical Engineer

## **Cluster 15: Science, Technology, Engineering and Mathematics**

### **Area of Concentration: Engineering**

#### **Primary Courses (4 Credits) Related Courses (2 Credits)**

\*Advanced Math Construction Tech. Accounting I Financial Math

Advanced Tech. Drafting CTE Internship Algebra II Fine Arts Survey

Architectural Drafting Education for Careers or

Journey to Careers

Architectural Drafting Geometry

Basic Tech. Drafting Art I Computer Multimedia

Applications - IBCA

\*Biology II \*Physics Basic Tech. Drafting NCCER Welding-Ag

\*Chemistry II Basic Wood Technology NCCER Welding-Tech

Biology II Physics

Chemistry I, II Psychology

Earth Science Senior Project

Entrepreneurship Speech I, II

Environmental Science World Geography

World History

**Industry Based Certifications:** OSHA

**Postsecondary Education Programs:** Civil Engineering, Computer Engineering, Electronics/Electrical Engineering, Engineering

**Occupations:** Architectural Engineer, Chemical Engineer, Civil Engineer, Industrial Engineer, Mechanical Engineer

## Cluster 16: Transportation, Distribution, and Logistics

### Area of Concentration: Automotive Technology

#### Primary Courses (4 Credits) Related Courses (2 Credits)

\*Auto Tech. I, II, III Entrepreneurship AC/Refrigeration I, II Physical Science  
CTE Internship NCCER Welding-Ag Accounting I Senior Applications in Eng.  
Diesel Mechanics I, II NCCER Welding-Tech Environmental Science Senior Project  
Education for Careers or  
Journey to Careers  
Financial Math Sociology  
Geometry Speech I, II  
Computer Multimedia  
Applications - IBCA

**Industry Based Certifications:** ASE Certification, HVAC Excellence, NCCER Welding-Ag, NCCER Welding-TE

**Postsecondary Education Programs:** Apprenticeship, Two-year postsecondary education

**Occupations:** Certified Automotive Technician, Electricians and Technicians, Facility Maintenance Managers and Engineers, Mobile Equipment Maintenance Managers, Technicians and Mechanics

### INTERNET WEBSITES FOR COLLEGE/POSTSECONDARY PLANNING

#### **College Information Miscellaneous Sites**

www.kaplan.com www.commonapp.org  
www.collegenet.com www.nassp.org  
www.collegeboard.org www.nacacnet.org  
www.collegeview.com www.doe.state.la.us  
www.collegequest.com

#### **Testing Tips and Information College Sites**

www.collegeboard.org Louisiana Tech University ..... www.latech.edu  
www.review.com McNeese State University ..... www.mcneese.edu  
www.ets.org Nicholls State University ..... www.nicholls.edu  
www.act.org Northwestern State University..... www.nsula.edu  
Southeaster Louisiana University..... www.selu.edu  
University of Louisiana@Lafayette..... www.louisiana.edu

**Financial Aid and Scholarship Sites** University of Louisiana@Monroe.....www.ulm.edu

www.finaid.org Louisiana State University.....www.lsu.edu  
www.salliemae.com University of New Orleans.....www.uno.edu  
www.fafsa.ed.gov Louisiana Technical College..... www.ltc.edu  
www.fastweb.com SUNO,BR ..... www.subr.edu  
www.collegemet.com/mach25 SUNO,NO ..... www.suno.edu  
www.osfa.la.gov (has TOPS information) Grambling..... www.gram.edu  
BRCC..... www.mybrcc.edu  
Delgado..... www.dcc.edu  
Nunez ..... www.nunez.edu