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Dual Credit = ** DC

MCIT's Mission
McKenzie serves as a foundation to improve student academic & career technical programs. We prepare graduates who can advance their education in a post-secondary setting & succeed in high-demand, high-skill, & high-wage careers.

SME-Prime Partner
Society of Manufacturing
Engineering

STEM Certified School

PLTW
Innovation Zone
Project Lead the Way

A.Y.E.S Certified
Automotive Youth
Educational Systems

Ed Martin Automotive
Careers Training Center

CompTIA Certified
Training Center
Computer Technology
Industry Association

Largest CTE High School
in Indiana



McKenzie Center for Innovation & Technology

Where everything is possible

Curriculum Guide 2019-2020

AUTO-SERVICE TECHNOLOGY

Introduction to Transportation (4798M)

2 Semesters 2 Credits Grade 10
1 Block each semester

Auto Service Tech I ** (5510M)

2 Semesters 4 Credits Grades 10, 11
Weighted Course 1.0 2 blocks each semester
Prerequisites: Successfully complete Algebra I and English 9

Auto Service Tech II ** (5546M)

2 Semesters 6 Credits Grades 11, 12
Weighted Course 1.0 3 blocks each semester
Prerequisites: Successfully complete Auto Service I

AUTO-COLLISION REPAIR TECHNOLOGY

Introduction to Transportation (4798M)

2 Semesters 2 Credits Grades 10
1 Block each semester

Collision Repair I ** (5514M)

2 Semesters 4 Credits Grades 10, 11
Weighted Course 1.0 2 Blocks each semester
Prerequisite: Successful Completion of Algebra I

Collision Repair II ** (5544M)

2 Semesters 6 Credits Grades 11, 12
Weighted Course 1.0 3 Blocks each semester
Prerequisite: Successfully complete Collision Repair I

BUSINESS EDUCATION

Preparing for College & Careers (5394MF)

1 Semester 1 Credit Grade 9
1 Block each semester

Offered Fall Only - Paired w/ Intro to Business (4518MS)

Introduction to Business (4518M)

1 Semester 1 Credit Grades 9, 10
1 Block each semester

Offered Spring Only - Paired w/ PCC (5394MF)

Principles of Business Management** (4562M)

2 Semesters 2 Credit Grades 10-12
Weighted Course 1.0 1 Block each semester

Intro to Accounting I (4524M)

2 Semesters 2 Credits Grades 10-12
1 Block each semester
Prerequisite: At least one prior business course

Merchandising – ADV BUS College Credit ** (4564M)

2 Semesters 2 Credits Grades 10-12
Weighted Course 1.0 1 Block each semester
Prerequisite: At least one prior business course

Principles of Marketing ** (5914M)

2 Semesters 2 Credits Grades 10-12
Weighted Course 1.0 1 Block each semester

Marketing in Hospitality & Tourism (5982M)

2 Semesters 2 Credits Grades 10-12
1 Block each semester

Advanced Accounting – ADV BUS College Credit** (4564A)

2 Semesters 2 Credits Grades 11, 12
Weighted Course 1.0 1 Block each semester
Prerequisite: Successfully complete Intro to Accounting

Entrepreneurship and New Ventures ** (5966M)

2 Semesters 2 Credits Grade 12
Weighted Course 1.0 1 Block each semester
Prerequisite: At least one prior business course

Administrative & Office Management ** (5268M)

2 Semesters 2 Credits Grade 12
Weighted Course 1.0 1 Block each semester
Prerequisite: At least one prior business course

Banking & Investment Capstone (5258M)

2 Semesters 2 Credits Grade 12
1 Block each semester
Required Prerequisite: Successfully complete Intro to Accounting & Advanced Accounting

Strategic Marketing Related ** (5918M)

2 Semesters 2 Credits Grade 12
Weighted Course 1.0 1 Block each semester
Prerequisites: Must be paired with Work Base Learning

WBL - Work Based Learning (5974M)

2 Semesters 6 Credits Maximum Grade 12
Up to 3 blocks each Semester
5974MA (1 Block)
5974MB (2 Blocks)
5974MC (3 blocks)
Prerequisites: Must be paired with Strategic Marketing

CONSTRUCTION TECHNOLOGY

Introduction to Construction I (4792M)

2 Semesters 2 Credits Grade 10
1 Block each semester

Construction Trades I** (5580M)

2 Semesters 4 Credits Grade 11
Weighted Course 1.0 2 Blocks each semester

Construction Trades II** (5578M)

2 Semesters 4 Credits Grade 12
Weighted Course 1.0 2 Blocks each semester
Prerequisites: Successfully complete Construction Trade I

COSMETOLOGY

Cosmetology I ** (5802M)

2 Semesters 6 Credits Grade 11
Weighted Course 1.0 4 Blocks each semester
Prerequisite: Commitment to the 2-year program
Cost for Materials: \$200 Non-Refundable

Cosmetology II ** (5806M)

2 Semesters 6 Credits Grade 12
Weighted Course 1.0 4 Blocks each semester
Prerequisites: Successfully complete Cosmetology I
Cost for Materials: \$265 Non-Refundable

Barbering I (5802MB)

2 Semesters 6 Credits Grade 11
3 Blocks each semester
Prerequisite: Commitment to the 2-year program
Cost for Materials: \$325 Non-Refundable

Barbering II (5806MB)

2 Semesters 6 Credits Grade 12
3 Blocks each semester
Required Prerequisite: Successfully complete Barbering I
Cost for Materials: \$70 Non-Refundable

EARLY CHILDHOOD

Advanced Child Development (5360M)

2 Semesters 2 Credits Grades 10-12
1 Block each semester

Early Childhood Education I (5412M)

2 Semesters 4 Credits Grades 11, 12
2 Blocks each semester
Required Prerequisite: Successfully complete Advanced Child Development

CULINARY ARTS & HOSPITALITY**Introduction to Culinary Arts (5438M)**

2 Semesters 2 Credits Grade 10
1 Block each semester

Culinary Arts & Hospitality I (5440M)**

2 Semesters 4 Credits Grade 11
Weighted Course 1.0 2 Blocks each semester
Recommended Preparation: Successfully complete Nutrition & Wellness and Algebra I

Culinary Arts & Hospitality II (5346M)**

2 Semesters 6 Credits Grade 12
Weighted Course 1.0 3 Blocks each semester
Required Prerequisites: Successfully complete Culinary Arts I

HEALTH SCIENCES**Introduction to Health Science Careers (5272M)**

2 Semesters 2 Credits Grade 10
1 Block each semester

Health Sciences I ** (5282M)

2 Semesters 4 Credits Grade 11
Weighted Course 1.0 2 Blocks each semester
Recommended Prerequisite: Successfully complete English 10, Biology I, Algebra I or PBS & HBS

Health Sciences II – Nursing ** (5284M)

2 Semesters 6 Credits Grade 12
Weighted Course 1.0 3 Blocks each semester
Required Prerequisites: Successfully complete Health Sciences I or MI or concurrent enrollment in Anatomy & Physiology

PC NETWORKING & SUPPORT**Information Tech Support ** (5230M)**

2 Semesters 4 Credits Grades 10-12
9th Grade: Teacher recommendation
Weighted course (1.0) 2 Blocks each semester
Recommended Prerequisite: College-level reading & comprehension (SRI scores >1000) English 9
Successfully complete Algebra I

Networking I ** (5234M)

2 Semesters 4 Credits Grades 11, 12
Weighted (1.0) course 2 Blocks each semester
Prerequisites: Successfully complete CompTIA A+ Certification

Networking II/Infrastructure Systems ** (4588M)

2 Semesters 2 Credits Grades 11, 12
Weighted course (1.0) 1 Block each semester
Prerequisites: Successfully complete CompTIA Networking Certification

Networking II/Servers & Security ** (5257M)

2 Semesters 2 Credits Grades 11, 12
Weighted course (1.0) 1 Block each semester
Prerequisites: Successfully complete CompTIA A+ and CompTIA Networking Certification

INTERACTIVE MEDIA**Graphic Design & Layout ** (5550M)**

2 Semesters 2 Credits Grades 10, 11
Weighted course (1.0) 1 Block each semester
Recommended Preparation: College-level reading & comprehension (SRI >1000) English 9

Interactive Media ** (5232M)

2 Semesters 4 Credits Grades 11, 12
Weighted course (1.0) 2 Blocks each semester
Prerequisites: Successfully complete Graphic Design & Layout

COMPUTER SCIENCE**Computer Science I (4801M)**

2 Semesters 2 Credits Grades 10-12
9th Grade: Teacher recommendation
1 Block each semester

Computer Science II / Programming (5236M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course (1.0) 1 Block each semester
Prerequisites: Successfully complete Computer Science I

Computer Science III: Video Gaming Apps (5252M)

2 Semesters 4 Credits Grades 11, 12
Weighted Course (1.0) 2 Blocks each semester
Prerequisites: Successfully complete Computer Science I

PLTW Cybersecurity (5261M)

2 Semesters 2 Credits Grades 10-12
Weighted Course (1.0) 1 Block each semester
Prerequisite: Successfully Complete Computer Science I

JAG-JOBS FOR AMERICA'S GRADUATES**JAG I (0522M)**

2 Semesters 2 Credits Grade 11
1 Block each semester

JAG II (0532M)

2 Semesters 2 Credits Grade 12
1 Block each semester
Prerequisites: Successfully complete JAG I

CRIMINAL JUSTICE**Criminal Justice I (5822M)**

2 Semesters 4 Credits Grades 11, 12
2 Blocks each semester

Criminal Justice II (5824M)

2 Semesters 4 Credits Grade 12
2 Block each semester
Prerequisites: Successfully complete Crim Justice I

BIOMEDICAL SCIENCES**PBS - Principles of Biomedical Sciences (5218M)**

2 Semesters 2 Credits Grade 9
Weighted Course (.5) 1 Block each semester
Prerequisite: Successfully complete or concurrent enrollment of Biology I

HBS – Human Body Systems (5216M)

2 Semesters 2 Credits Grades 10-12
Weighted Course (.5) 1 Block each semester
Recommended Prerequisite: Successfully complete PBS

MI – Medical Interventions (5217M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course (1.0) 1 Block each semester
Recommended Prerequisite: Successfully complete of HBS & PBS

BI – Biomedical Innovations ** (5219M)

2 Semesters 2 Credits Grade 12
Weighted Course (1.0) 1 Block each semester
Recommended Prerequisite: Successfully complete PBS, HBS & MI

ENGINEERING**IED – Intro to Engineering Design ** (4812M)**

2 Semesters 2 Credits Grades 9, 10
Weighted Course (1.0) 1 Block each semester
Prerequisite: Enrollment in Alg. I

POE – Principles of Engineering ** (4814M)

2 Semesters 2 Credits Grades 10-12
Weighted Course (1.0) 1 Block each semester
Prerequisite: Successfully complete Algebra I & IED

CIM – Computer Integrated Manufacturing ** (4810M)

2 Semesters 2 Credits Grades 10-12
Weighted Course (1.0) 1 Block each semester
Prerequisite: Successfully complete IED, POE & Algebra I

DE – Digital Electronics ** (4826M)

2 Semesters 2 Credits Grades 10-12
Weighted Course (1.0) 1 Block each semester
Prerequisite: Successfully complete IED or POE

Advanced Manufacturing (5608M)

2 Semesters 2 Credits Grades 11, 12
1 Block each semester
Required Prerequisite: Successfully complete CIM

AE – Aerospace Engineering (4816M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course (1.0) 1 Block each semester
Prerequisite: Successfully complete 2 PLTW Courses or teacher recommendation

CEA – Civil Engineering & Architecture ** (4820M)

2 Semesters 2 Credits Grades 11, 12
10th Grade with approval
Weighted Course (1.0) 1 Block each semester
Prerequisite: Successfully complete POE - Concurrent enrollment in Algebra II

ES – Environmental Sustainability (4818M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course 1.0 1 Block each semester

EED- Engineering Design & Development (4828M)

2 Semesters 2 Credits Grades 11, 12
Weighted Course (1.0) 1 Block each semester
Required Prerequisite: Two years of the pre-engineering courses or involved with the FIRST Robotics team for two or more years.

TECHNOLOGY**FOT - Foundations of Technology (5239M)**

2 Semesters 2 Credits Grades 9, 10
1 Block each semester

JUNIOR RESERVE OFFICER TRAINING CORPS (J-ROTC)**CAP - CIVIL AIR PATROL (0516M)**

2 Semesters 2 Credits Grades 10-12
1 Block each semester

CLUBS AND PROGRAMS

ROBOTICS — F.I.R.S.T Robotics and VEX Robotics
<https://www.firstinspires.org/robotics/frc>

CAP — Civil Air Patrol
<https://www.gocivilairpatrol.com/>
Aerospace Education, CADET programs, Emergency Services, Civilian Air Force Cadets

FBLA – Future Business Leaders of America
<https://www.fbla-pbl.org/>
Local and national competitions

HOSA - Future Health Professionals <http://www.hosa.org/>
Biomedical Sciences and Health Sciences students.
HOSA is a national student organization whose mission is to promote career opportunities in the health care industry.

DECA - Distributive Education Clubs of America (Marketing and Business) www.deca.org/
Provides members and advisors with development activities through local and national competitions

ACE MENTORING - Architecture, Construction and Engineering <https://acementor.org/>
Engage, excite and enlighten high school students to pursue careers in architecture, engineering and construction through mentoring.

NTHS - National Technical Honor Society
<https://nthsof.org/>
Encourages higher scholastic achievement, cultivates a desire for personal excellence, and helps top students find success in the workplace.

SKILLS USA - All Career and Technical students compete locally and nationally in skills and leadership.
<https://www.skillsusa.org/>