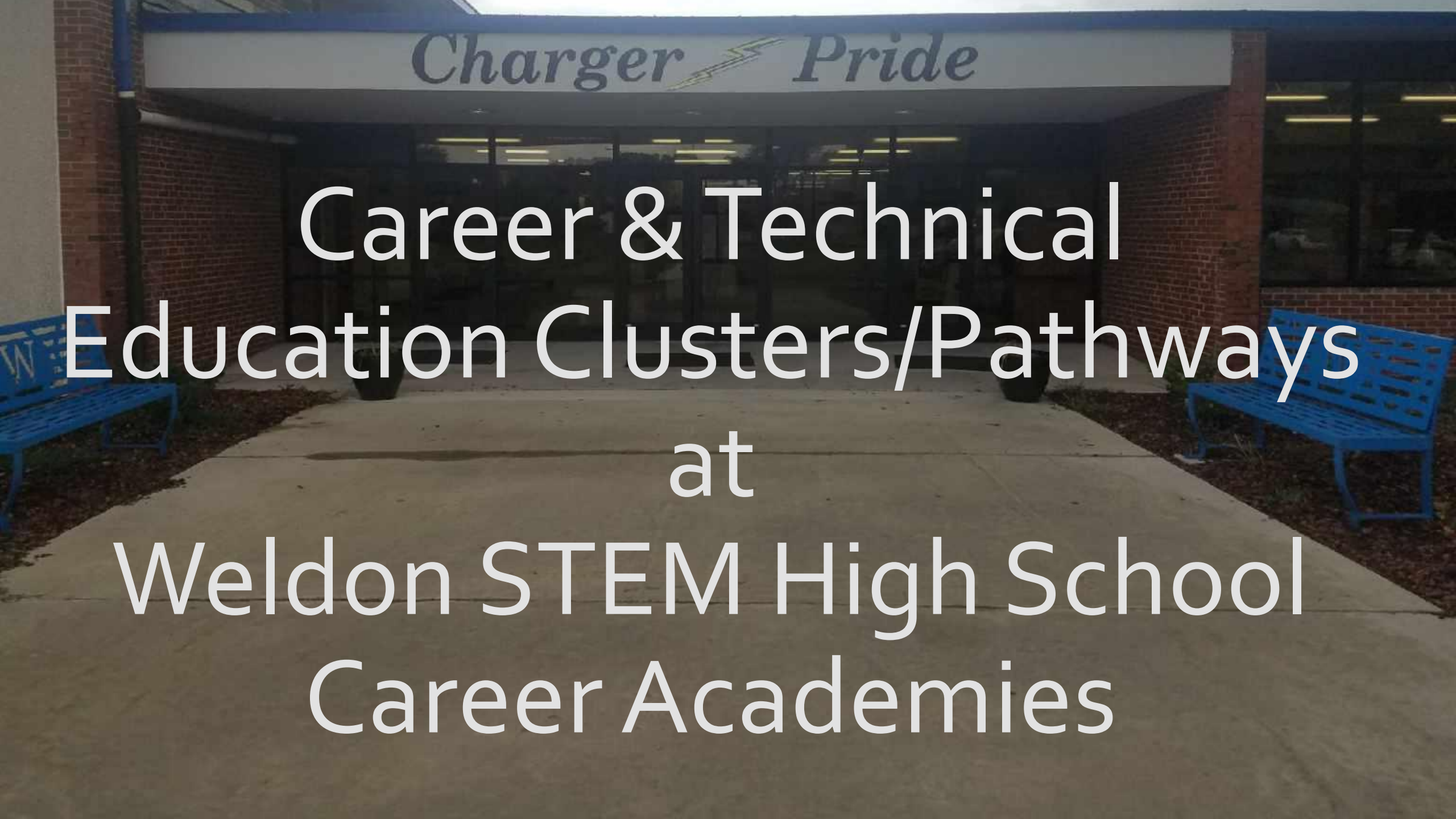


The image shows the exterior of a school building at dusk or night. A prominent sign above the entrance reads "Charger Pride" in a stylized font, with a lightning bolt graphic between the words. The building has large glass windows and doors. In the foreground, there is a concrete walkway leading to the entrance, flanked by blue metal benches. The overall scene is dimly lit, with some interior lights visible through the glass.

Charger Pride

Career & Technical
Education Clusters/Pathways
at
Weldon STEM High School
Career Academies

5 Career and Technical Education Pathways offered at Weldon STEM High School Career Academies

- Advanced Manufacturing
- Digital Design & Animation
- Entrepreneurship
- Game Art Design
- Health Science (NAF)
- Industrial Systems
- Manufacturing
- Medical Coding & Billing
- Therapeutic & Diagnostic Services
- Welding



A **Career Cluster** is a grouping of occupations and broad industries that share common features.

CTE Foundational Courses

- Career Management
- Microsoft Word/PowerPoint
- Intro to T & I
- Principles of Family and Consumer Science

What are foundational, prerequisite and supplemental technical courses?

- Foundational courses are supplemental employability skills courses
- prerequisites are courses taken before taking a more advanced course. They are required and enhance a student's knowledge on areas that should be known before taking upper level courses.
- Supplemental technical courses are courses that can be used in place of another course required to complete a cluster.

Completer/Concentrator

- To complete a cluster, a student must complete two and/or three classes in a career pathway (at least one of which is a completer course).
- Students that complete a cluster are considered completers/concentrators and are required to take WorkKeys testing. **STATE REQUIREMENT**
- Career Readiness Certificate (CRC) Students will receive Bronze, Silver, Gold or Platinum certificates based on scores from testing. This will be explained in further detail as students become completers

Business Management & Admin.

- Planning, organizing, directing & evaluating business functions essential to efficient & productive business operations. These opportunities are available in every sector of the economy



Interests

- Running your own business
- Preparing reports
- Analyzing data
- Organizing a school events or fund-raiser
- Managing tasks for a group

Careers

- Accountant
- Database Administrators
- Financial Analysts
- Entrepreneurs
- Treasurers & Controllers
- Tax Examiners & Preparers
- Bankers
- Sales managers
- Chief Executives



Courses in Cluster

Microsoft Word/PowerPoint
Entrepreneurship I & II

Career Management

Health Sciences/NAF

- Planning, managing, & providing therapeutic services, diagnostic services, health informatics, support services & biotechnology research & development.



Interests

Learn first aid or CPR
Learn how the body/mind work
Team manager
Volunteer at rescue squad



Careers

- Dentist, Dental hygienist
- Nurse, Nursing Assistant
- Physician, Surgeon
- Radiologist
- Pharmacist
- Athletic trainer
- Ems Techs & Paramedics
- Physician Assistant
- Physical Therapist
- Massage Therapist

Courses in Cluster

- Health Careers
- Global Health
- Anatomy & Physiology I
- Anatomy & Physiology II
- Microsoft Word/PowerPoint
- Career Management

Human Services

- Providing family and individual services such as counseling and mental health, personal care, and consumer advice.



Interests

Helping others
Styling/cutting hair
Exercising & working out
Recreational activities

Providing encouragement to others...

Careers

- Community Health Workers
- Credit Counselors
- Massage Therapist
- Funeral Service Managers
- Hairdresser & Cosmetologist



Courses in Cluster

- Principles of Family & Human Science
- Foods I
- Foods II
- Microsoft Word/PowerPoint
- Communication

Arts, A/V Technology, & Communications

- Designing, producing, exhibiting, performing, writing, and publishing multimedia content, including visual and performing arts and design, journalism, and entertainment services.



- Career Management
- Microsoft Word & PowerPoint
- Entrepreneurship I

Interests

Design video games
Animation cartoons
Develop web pages

Careers

- Computer Programmer
- Software Developer
- Database Administrator
- Graphic Designers
- Network & Computer System Administrators
- Computer Network Architects



Courses in Cluster

- Digital Design and Animation I & II
- Game Art and Design

Manufacturing

Interests

Enjoy working with their hands, using tools
Have an aptitude for math & science

Career Pathways

- Manufacturing Production Process Development
- Quality Assurance
- Maintenance, Installation & Repair
- Production



Careers

- Manufacturing Production Technicians
- Machinist
- Sheet Metal Workers
- Biological Technicians
- Welders, Cutters, Solders & Brazers
- Occupational Health & Safety Specialist
- Medical Equipment Repairers
- Mechanics



Courses in Cluster

- Intro. Trade and Industry
- Advance Manufacturing I
- Advance Manufacturing II
- Microsoft Word/PowerPoint
- Personal Finance

Halifax Community College

Advanced Manufacturing

- **Industrial System**

Courses

- ENG 111 (3CR)
- PSY 150 (3CR)
- PHY 110 (3CR)
- ACA 122 (1CR)
- HYD 110 (3CR)
- WLD 112 (2CR)
- CIS 111 (2CR)
- ISC 112 (2CR)
- ELC 131 (4CR)
- ELC 117 (4CR)
- ELC 128 (3CR)
- BPR 111 (2CR)
- ELC 220 (3CR)
- MEC 111 (3CR)
- MNT 110 (2CR)

- **Welding**

Courses

- ENG 111(3CR)
- MAT 110 (3CR)
- ACA 122 (1CR)
- WLD 110 (2CR)
- WLD 141 (3CR)
- WLD 121 (4CR)
- WLD 115 (5CR)
- WLD 116 (4CR)
- WLD 131 (4CR)
- WLD 132 (3CR)
- WLD 151 (4CR)
- WLD 262 (3CR)

Certificate 18 hours

Diploma = 39 credit hours

Halifax Community College

Health Science

• Therapeutic & Diagnostic Services

Courses

- ACA 122 (1cr)
- HUM 115 (3cr)
- ENG 111 (3cr)
- ENG 114 (3cr)
- PSY 150 (3cr)
- PSY 241 (3cr)
- BIO 168 (4cr)***
- BIO 169 (4cr)****
- HSC 110 (1cr)
- MED 120 (2cr)
- NAS 101 (6cr)
- NAS 102 (6cr)
- NAS 107 (1cr)

Diploma = 38 credit hours

Certifications CNA 1 & 2

• Medical Coding & Billing

Courses

- ACA 122 (1cr)
- OST 149 (3cr)
- MED 121 (3cr)
- MED 122 (3cr)
- MED 130 (3cr)
- MED 232 (2cr)
- OST 148 (3cr)

Certificate = 17 hours



Certificates & Certifications

- SOFTSKILLS
- MSSC - CPT SAFETY
- MSSC - CPT QUALITY
- MSSC - CPT
MANUFACTURING
- MSSC - CPT
MAINTENANCE
- WORKKEYS (CRC)
- MOS WORD
- MOS POWERPOINT
- MOS EXCEL
- MOS ACCESS
- W\$SE FINANCIAL
- EVERFI
- SERVSAFE
- SAFEPLATE

Active CTSO's

- Future Business Leaders of America (FBLA)
- Family, Career and Community Leaders of America (FCCLA)
- National Technical Honor Society (NTHS)

Questions



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