

# DIVISION OF ENGINEERING, BUSINESS AND INFORMATION TECHNOLOGIES

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## Catalog Addendum Approved After Catalog Publication

- Blockchain Engineering Technology #6234 One Year Technical Certificate (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/blockchain-engineering-technology-oyt>)
- Blockchain Bootcamp I - Blockchain System Architect #6230 Short Term Technical Certificate (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/blockchain-bootcamp-i-blockchain-system-architect-sttc>)
- Blockchain Bootcamp II – Blockchain Developer #6231 Short Term Technical Certificate (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/blockchain-bootcamp-ii-blockchain-developer-sttc>)
- CyberSecurity Bootcamp I - Cybersecurity Specialist #6475 Short Term Technical Certificate (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/cybersecurity-bootcamp-i-cybersecurity-specialist-sttc>)
- Manufacturing Engineering Technology - Industrial Internet of Things, #6243 One Year Technical Certificate (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-industrial-internet-of-things-oyt>)
- Manufacturing Engineering Technology - Industrial Internet of Things, #6241 Short Term Technical Certificate (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-industrial-internet-of-things-sttc>)

## Bachelor of Applied Science

- Microelectronic Manufacturing #9601 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/microelectronic-manufacturing-bas>)

## Associate of Applied Business Programs

- Accounting #0011 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/accounting-aab>)
- Business Administration – Entrepreneurship #0224 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/business-administration-entrepreneurship-aab>)
- Business Administration – Human Resource Management #0229 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/business-administration-human-resource-management-aab>)

- Business Administration – Management #0227 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/business-administration-management-aab>)
- Business Administration – Marketing #0226 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/business-administration-marketing-aab>)
- Business Administration - Real Estate #0233 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/business-admin-real-estate-aab>)
- Computer Information Systems – Mobile Device Application Development Major #6639 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-mobile-device-application-development-major-aab>)
- Computer Information Systems – Network Communication Technology #6649 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-network-communication-technology-aab>)
- Computer Information Systems – Software Development #6618 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-software-development-aab>)
- Computer Information Systems – Web Development #6601 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-web-development-aab>)
- Data Analytics - Tools & Techniques #6650 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/data-analytics-tools-techniques-aab>)
- Hospitality and Tourism Management – Hospitality #0101 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/hospitality-tourism-management-hospitality-aab>)
- Hospitality and Tourism Management – Travel Industry #0102 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/hospitality-tourism-management-travel-industry-aab>)

## Associate of Applied Science Programs

- Alternative Energy Technology – Solar Technology Major #6355 Not Offered 2019-2020 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/alternative-energy-technology-solar-technology-major-aas>)
- Alternative Energy Technology – Wind Turbine Major #6350 Not Offered 2019-2020 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/alternative-energy-technology-wind-turbine-major-aas>)
- Automation Engineering Technology – Maintenance/Repair #6210 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/automation-engineering-technology-maintenancerepair-aas>)
- Automation Engineering Technology – Systems Specialist #6211 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/automation-engineering-technology-systems-specialist-aas>)
- Blockchain Engineering Technology - Blockchain Major #6236 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/blockchain-engineering-technology-blockchain-major-aas>)

- Computer Engineering Technology – Business Forensics Investigations Major #6220 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-engineering-technology-business-forensics-investigations-major-aas>)
- Computer Engineering Technology – Computer and Digital Forensics Major #6120 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-engineering-technology-computer-digital-forensics-major-aas>)
- Computer Engineering Technology – Computer Applications Integration Specialist Major #6222 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-engineering-technology-applications-integration-specialist-major-aas>)
- Construction Technology – Construction Engineering Major #6170 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/construction-technology-construction-engineering-major-aas>)
- Construction Technology – Construction Management Major #6171 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/construction-technology-construction-management-major-aas>)
- Cyber Information and Security #6470
- Digital Fabrication Technologies: Digital Fabrication Major #6167
- Electric Power Utility Technology – Overhead Line Technology #6320 (Not Offered 2019-2020) (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/electric-power-utility-technology-overhead-line-technology-aas>)
- Electric Power Utility Technology – Substation Technology Major #6321 (Not Offered 2019-2020) (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/electric-power-utility-technology-substation-technology-major-aas>)
- Electronic Engineering Technology – Applied Electronics #6310 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/electronic-engineering-technology-applied-electronics-aas>)
- Electronic Engineering Technology – Computer Maintenance and Networking #6312 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/electronic-engineering-technology-computer-maintenance-networking-aas>)
- Industrial Safety Technology/Technician #6720
- Manufacturing Engineering Technology – Computer Aided Machining #6213 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-computer-aided-machining-aas>)
- Manufacturing Engineering Technology – Industrial Electrical Technician #6215 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-industrial-electrical-technician-aas>)
- Manufacturing Engineering Technology - Industrial Internet of Things (IIOT) #6245 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-industrial-internet-of-things-aas>)
- Manufacturing Engineering Technology – Industrial Mechanical Technician #6216 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-industrial-mechanical-technician-aas>)
- Manufacturing Engineering Technology – Mechanical Design #6212 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-mechanical-design-aas>)
- Manufacturing Engineering Technology – Quality Assurance #6224 (Not offered 2019-2020) (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-quality-assurance-aas>)
- Mechatronics Technology – Micro-Electromechanical Systems #6520 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/mechatronics-technology-micro-electromechanical-systems-aas>)
- Welding Technology #6410 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/welding-technology-aas>)

## One-Year Technical and General Certificates

- Alternative Energy Technology – Solar Technology #6356 Not Offered 2019-2020 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/alternative-energy-technology-solar-technology-one-year-technical-certificate>)
- Alternative Energy Technology – Wind Turbine #6351 Not Offered 2019-2020 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/alternative-energy-technology-wind-turbine-one-year-technical-certificate>)
- Business Management #0127 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/business-management-one-year-technical-certificate>)
- Computer Engineering Technology – Business Forensics Investigations #6218 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-engineering-technology-business-forensics-investigations-major-one-year-technical-certificate>)
- Computer Engineering Technology – Computer and Digital Forensics #6121 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-engineering-technology-computer-digital-forensics-one-year-technical-certificate>)
- Computer Engineering Technology – Computer Applications Integration Specialist #6122 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-engineering-technology-computer-applications-integration-specialist-one-year-technical-certificate>)
- Computer Information Systems – Mobile Device Application Development #6629 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-mobile-device-application-development-one-year-technical-certificate>)
- Construction Technology – Residential Building and Renovation #6176 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/construction-technology-residential-building-renovation-one-year-technical-certificate>)
- Digital Forensics for Law Enforcement #6119 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/digital-forensics-law-enforcement-one-year-technical-certificate>)
- Electronic Engineering Technology – Applied Electronics #6309 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/electronic-engineering-technology-applied-electronics-aas>)

business-information-technologies/electronic-engineering-technology-applied-electronics-one-year-technical-certificate)

- Electronic Engineering Technology – Computer Maintenance and Networking #6450 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/electronic-engineering-technology-computer-maintenance-networking-one-year-technical-certificate>)
  - Entrepreneurship #0225 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/entrepreneurship-one-year-technical-certificate>)
  - Hospitality Operations #0106 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/hospitality-operations-one-year-technical-certificate>)
  - Human Resource Management #0129 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/human-resource-management-one-year-technical-certificate>)
  - Industrial Safety Technology/Technician – Professional Safety #6710 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/industrial-safety-technology-technician-professional-safety-one-year-technical-certificate>)
  - Information Systems Support #6603 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/information-systems-support-one-year-technical-certificate>)
  - Manufacturing Engineering Technology – Computer Aided Design Operator #6111 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-computer-aided-design-operator-one-year-technical-certificate>)
  - Manufacturing Engineering Technology – Computer Aided Machining Operator #6112 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-computer-aided-machining-operator-one-year-technical-certificate>)
  - Manufacturing Engineering Technology – Industrial Electrical Technician #6115 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-industrial-electrical-technician-one-year-technical-certificate>)
  - Manufacturing Engineering Technology – Industrial Mechanical Technician #6116 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-industrial-mechanical-technician-one-year-technical-certificate>)
  - Manufacturing Engineering Technology – Quality Technician #6007 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-quality-control-one-year-technical-certificate>)
  - Mechatronics Technology – Micro-Electromechanical Systems #6510 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/mechatronics-technology-micro-electromechanical-systems-one-year-technical-certificate>)
  - Professional Sales #0126 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/professional-sales-one-year-technical-certificate>)
  - Welding Technology – Welding Operator #6008 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/welding-technology-welding-operator-one-year-technical-certificate>)
- ## Short-Term Technical and General Certificates
- Accounting – Bookkeeper I #0007 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/accounting-bookkeeper-i-short-term-technical-certificate>)
  - Accounting – Bookkeeper II #0008 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/accounting-bookkeeper-ii-short-term-technical-certificate>)
  - Accounting – Payroll Clerk #0005 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/accounting-payroll-clerk-short-term-technical-certificate>)
  - Alternative Energy Technology – Wind Turbine #6352 Not Offered 2019-2020 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/alternative-energy-technology-wind-turbine-short-term-technical-certificate>)
  - Automation Engineering Technology – Maintenance Technician #6181 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/automation-engineering-technology-maintenance-technician-short-term-technical-certificate>)
  - Computer Information Systems – Business IT Fundamentals #6602 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-business-it-fundamentals-short-term-technical-certificate>)
  - Computer Information Systems – Information Security for Business #6623 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-information-security-business-short-term-technical-certificate>)
  - Computer Information Systems – Mobile Device Application Development #6619 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-mobile-device-application-development-short-term-technical-certificate>)
  - Computer Information Systems – Network Administration #6604 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-network-administration-short-term-technical-certificate>)
  - Computer Information Systems – Network Infrastructure Technology/CCNA #6606 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-network-infrastructure-technology-short-term-technical-certificate>)
  - Computer Information Systems – Network Security Foundations #6609 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-network-security-foundations-short-term-technical-certificate>)
  - Computer Information Systems – Software Development Fundamentals #6620 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-software-development-fundamentals-short-term-technical-certificate>)
  - Computer Information Systems – Web Design Fundamentals #6621 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-web-design-fundamentals-short-term-technical-certificate>)

- Computer Information Systems – Web Programming Fundamentals #6622 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/computer-information-systems-web-programming-fundamentals-short-term-technical-certificate>)
- Construction Technology – Construction and Renovation Tradesman #6175 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/construction-technology-construction-renovation-tradesman-short-term-technical-certificate>)
- Customer Service #0001 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/customer-services-short-term-technical-certificate>)
- Electronic Engineering Technology – Computer Maintenance and Networking #6003 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/electronic-engineering-technology-computer-maintenance-networking-short-term-technical-certificate>)
- Engineering Technology – General Technician #6050 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/engineering-technology-general-technician-short-term-technical-certificate>)
- General Business Administration #0027 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/general-business-administration-short-term-technical-certificate>)
- Industrial Safety Technology/Technician – General Safety #6700 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/industrial-safety-technology-technician-general-safety-short-term-technical-certificate>)
- IT Fast Track #6005 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/it-fast-track-short-term-technical-certificate>)
- Manufacturing Engineering Technology – Computer Aided Design #6002 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-computer-aided-design-short-term-technical-certificate>)
- Manufacturing Engineering Technology – Computer Aided Machining/Manufacturing Processes #6012 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-computer-aided-machining-manufacturing-processes-short-term-technical-certificate>)
- Manufacturing Engineering Technology – Industrial Electrical Technician #6015 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-industrial-electrical-technician-short-term-technical-certificate>)
- Manufacturing Engineering Technology – Industrial Mechanical Technician #6016 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-industrial-mechanical-technician-short-term-technical-certificate>)
- Manufacturing Engineering Technology – Quality Inspector #6004 (Not offered 2019-2020) (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/manufacturing-engineering-technology-quality-inspector-short-term-technical-certificate>)
- Manufacturing Engineering Technologies - Right Skills Now #6031
- Mechatronics Technology – Micro-Electromechanical Systems #6500 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/mechatronics-technology-micro-electromechanical-systems-short-term-technical-certificate>)
- Real Estate #0231 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/real-estate-short-term>)
- Welding Technology – Advanced Welding #6011 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/welding-technology-advanced-welding-short-term-technical-certificate>)
- Welding Technology – Basic Welding #6006 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/welding-technology-basic-welding-short-term-technical-certificate>)
- Welding Technology – Welding #6009 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/welding-technology-welding-short-term-technical-certificate>)
- Welding Technology - Welding and Visual Inspection #6013 (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/welding-technology-welding-and-visual-inspection>)