

# NEW PROGRAMS AND COURSES

## Beginning the 2025 Summer term, plan and register for one of our new course offerings!

### CDN 120 Graphic Design I (3) 1,4

This course introduces students to the principles and techniques of layout design. Students will learn to apply essential design principles, such as visual hierarchy, typography, grids, and layout theory while developing proficiency in Adobe InDesign. Tools and techniques covered include the use of Master Pages, Auto Page Numbering, Paragraph and Character Styles, as well as file packaging for print. Through an iterative design process, students will create and refine layout projects based on peer and instructor feedback, culminating in a final, professionally prepared portfolio-ready project. This course emphasizes both creative design and the technical skills necessary to meet industry standards in print production. (1.2) Proficiency Credit: Available (2 FES) Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$414 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in CDN109 and CDN110

**Semester(s) Offered:** Fall, Spring and Summer

### CDN 210 Graphic Design II (3) 1,4

This graphic design course introduces students to the fundamental concepts and technical skills required to create compelling brand identities. Through hands-on projects, students will design logos, develop brand identity packages, craft brand guidelines, create advertisements and web UI mockups. Emphasizing an iterative design process, students will conduct research, sketch concepts, and refine their work based on feedback. (1.2) Proficiency Credit: Available (2 FES) Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$414 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in CDN120

**Semester(s) Offered:** Fall and Spring

### CIS 261 Cloud Computing Fundamentals (3) 2,2

This course offers a comprehensive exploration into cloud computing, covering foundational principles, virtual hardware, migration strategies, networking, security, and advanced automation. Designed for students seeking to understand the cloud's impact on IT infrastructure and services, it combines theoretical knowledge with practical applications. Students will learn about deployment models, managing cloud resources, optimizing performance, navigating cloud security, and identity management. Ideal for those aiming for careers in cloud services, system administration, or cybersecurity. The course prepares students for CompTIA Cloud+ certification. Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$414 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in CIS 231 or concurrent enrollment in CIS 231 or consent of instructor.

**Semester(s) Offered:** Fall and Spring

### EDN 230 Men of Color in Education (3) 3,0

This course will examine the history and legacies of boys and men of Color in education and society. It is designed to address data and context of the experiences and realities of this population necessary for educators and all community stakeholders. This course will offer culturally appropriate and relevant knowledge, pedagogies and approaches that contribute to life-long learning that will benefit schools and society. (1.1) Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$414 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in EDN 100 or consent of instructor

**Semester(s) Offered:** Fall and Spring

### EDN 240 Theoretical Foundations of Language (3) 3,0

This course focuses on theories and perspectives in second language acquisition (SLA) and processes as they relate to sociocultural, cognitive, sociolinguistics perspectives, psychological aspects and linguistic features of language learning. Participants will examine language acquisition process, theories and apply to language practice and teaching in ESL and bilingual classrooms. (1.1) Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$414 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Consent of instructor

**Semester(s) Offered:** Fall, Spring and Summer

**EDN 242 Bilingual Methods & Materials (3) 3,0**

This course further investigates the foundational knowledge of bilingual education as it examines various teaching techniques, pedagogical methods, cultural responsiveness, and examples of differentiated instruction to be used when working with students of any age where English is not their primary language. This course also offers practical approaches for identifying, developing, and evaluating appropriate materials and innovative strategies to use in order to create supportive learning environments for culturally and linguistically diverse (CLD) learners.

(1.1) Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$414 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Consent of instructor

**Semester(s) Offered:** Fall, Spring and Summer

**EMT 220 Paramedic I (12) 6,12**

Students will be introduced to the role of the paramedic and the ethical and legal aspects that influence field practice skills. Emphasis will be placed on a foundational understanding of pathophysiology, lifespan development, pharmacology, medication administration, assessment, communication, documentation, medical conditions, diseases, and treatment protocols. (1.2) Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$1656 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Illinois licensed Emergency Medical Technician (EMT) and acceptance into the paramedic program.

**Semester(s) Offered:** Fall

**EMT 221 Paramedic II (12) 12**

Students will integrate previously learned principles and skills with new theory and prepare for expanded responsibilities. Students will be introduced to additional hospital clinical rotations and the emergency department.

(1.2) Special Note: A criminal background check and drug test are required for the Emergency Medical Technology (EMT) program. For more information please refer to [elgin.edu/emt](http://elgin.edu/emt) Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$1656 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in EMT-220 or consent of instructor.

**Semester(s) Offered:** Spring

**EMT 222 Paramedic III (4.5) 3.5,3**

Students will continue to learn the fundamentals of caring for patients in medical and traumatic emergencies. Students will also complete clinical rotations. Emphasis is placed on development of assessment practices and the integration of appropriate treatment modalities. (1.2) Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$621 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in EMT-221 or consent of instructor.

**Semester(s) Offered:** Summer

**MRI 102 MRI Safety (3) 3,2**

This course provides a comprehensive understanding of Magnetic Resonance Imaging (MRI) technology and the critical aspects of ensuring MRI safety. In the introductory section, students gain insights into the overview of MRI technology, the significance of magnet protection, and the basic principles of magnetic fields in MRI. Moving into the core components and operation of MRI magnets, the course delves into superconducting magnets, gradient coils, and radiofrequency coils, emphasizing their roles and potential risks. Students explore various magnet protection systems, including quench protection systems and cryogenic systems, with a focus on emergency response protocols. The course outlines safety measures for magnet protection, including operational guidelines, patient screening, and routine maintenance procedures. Emergency procedures and protocols are thoroughly covered, addressing magnet quench events, cryogenic system failures, and collaboration with emergency services. Real-life case studies and scenarios provide valuable insights, allowing students to analyze historical incidents, learn from successful interventions, and implement lessons into current practices. The course also covers regulatory compliance, emphasizing international and local standards, and certification processes for MRI magnet systems. Students are updated on future developments in magnet protection, including emerging technologies and proactive strategies for staying ahead of challenges. Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$414 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Acceptance into the Magnetic Resonance Imaging Program.

**Semester(s) Offered:** Summer

**MRI 202 MRI Image Evaluation (1) 0,2**

This course is demonstrating the fundamentals of cause and effect associated with MRI imaging. Students will learn the routine examinations and selected non-routine MRI examinations of the neurological system, muscle skeletal system, vascular system, and body. The factors that control and influence image quality will be discussed in depth. This included technical factors selection, positioning, patient condition, and other challenges so that students can producing acceptable images. The expectation of students entering this course is to know and understand cross sectional anatomy and the parameters used to produce an MRI image. This course includes demonstrations and laboratory activities to reinforce concepts and enhance student learning. Problem solving and critical thinking skills will be emphasized in technique formulation and exposure calculations  
Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$138 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in MRI 100, AMI 210, MRI 201 and MRI 204

**Semester(s) Offered:** Summer

**MRI 206 Clinical Practicum IV (5) 0,25**

This course is a continuation of the MRI Clinical Practicum III. The course emphasizes the continued development of clinical competency and professional development. Students complete clinical rotation assignments which reinforce and provide opportunities for observation, assistance and participation in MRI procedures which are covered in the Procedures courses and patient care skills covered in the Methods of Patient Care course. Emphasis is placed on application of concepts in the actual performance of procedures. Students will complete 384 hours of clinical experience in MRI under direct and/or indirect supervision of an MRI technologist as appropriate. The student will continue attaining, maintaining and documenting competency in MRI procedures. Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$690 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in MRI 200, MRI 202 and MRI 205

**Semester(s) Offered:** Fall

**MRI 207 Clinical Practicum V (5) 0,25**

This is the final clinical practicum course. This clinical course provides the student with additional clinical experience necessary to comply with the ARRT clinical experience requirements in order to be eligible to take the ARRT Advanced Certification Examination. It will encompass many of the same technical and professional. Clinical requirements include successful completion of final clinical competencies in all major areas of MRI including critical thinking and problem-solving. Successful completion of final competencies is a program graduation requirement, Emphasis is placed on application of concepts in the actual performance of procedures. The student will continue attaining, maintaining and documenting competency in MRI procedures. Special Note: A criminal background check and drug test are required prior to enrollment Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$690 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Grade of C or better in MRI 103, MRI 204, MRI 205 & MRI 206.

**Semester(s) Offered:** Spring

**PBT 101 Phlebotomy (3.5) 2,3**

Students will learn basic techniques for blood specimen collection. Units on anatomy and physiology of the circulatory system, medical terminology, specimen processing, laboratory safety, and infection control, quality control, and professional skills will also be covered. Students who wish to sit for the phlebotomy technician certification exam must also complete 1.5 credits of PBT 120. (1.2) Special Note: A criminal background check and drug test are required for the Phlebotomy (PBT) program. For more information please refer to <https://elgin.edu/areas-of-study/phlebotomy/> Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$483 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Admission into the Phlebotomy or Medical Assisting program.

**Semester(s) Offered:** Fall, Spring and Summer

**PBT 120 Phlebotomy Practicum (1.5) 0,4.5**

The Practicum will provide the student with supervised clinical experience in a phlebotomy setting. Students who have completed PBT 101 and PBT 120 are eligible to take a national certification exam for phlebotomy technicians. (1.2) Special Note: Students enrolled in this program are required to have the following: 1) criminal background check, 2) drug test, 3) lab tests to prove immunity to common illnesses, 4) TB test, 5) health insurance, 6) uniform, 7) fully vaccinated for COVID-19 and Influenza. For more information please refer to <https://elgin.edu/areas-of-study/phlebotomy/> Proficiency Credit: Not Available Pass/No Credit: Not Available.

**In-District Tuition/Fees:** \$207 (effective 2025/26 academic year)

**In-district tuition rates are subject to change based on Board approval.**

**Prerequisite:** Program director consent

**Semester(s) Offered:** Fall, Spring and Summer

## Magnetic Resonance Imaging-Associate of Applied Science-Coming Summer 2026!

Magnetic resonance technologists are highly trained radiographers who operate magnetic resonance (MR) equipment that scans the patient using a combination of magnetic fields and radiofrequency to produce high-resolution images of the body. MR technologists are essential members of the medical imaging team performing scans that are vital to the diagnosis of a variety of injuries and diseases. Graduates of the advanced certificate program at ECC are highly skilled and qualify to sit for advanced certification by the American Registry of Radiologic Technologists (ARRT).

## Magnetic Resonance Imaging-Associate of Applied Science

| Course                 | Title                           | Credit Hours |
|------------------------|---------------------------------|--------------|
| <b>First Semester</b>  |                                 |              |
| RAD 102                | Methods of Patient Care         | 2            |
| PSY 218                | Human Growth and Development    | 3            |
| ENG 101                | English Composition I           | 3            |
| MRI 102                | MRI Safety                      | 3            |
| <b>Total</b>           |                                 | <b>11</b>    |
| <b>Second Semester</b> |                                 |              |
| MRI 101                | MR Procedures I                 | 3            |
| MRI 103                | MR Clinical Practicum I         | 3            |
| AMI 110                | Advanced Sectional Anatomy I    | 2            |
| BIO 246                | Human Anatomy and Physiology II | 4            |
| <b>Total</b>           |                                 | <b>12</b>    |
| <b>Third Semester</b>  |                                 |              |
| AMI 210                | Advanced Sectional Anatomy II   | 2            |
| MRI 100                | MR Physical Principles          | 3            |
| MRI 201                | MR Procedures II                | 3            |
| MRI 204                | MR Clinical Practicum II        | 3            |
| <b>Total</b>           |                                 | <b>11</b>    |
| <b>Fourth Semester</b> |                                 |              |
| MRI 200                | Clinical Aspects of MR          | 3            |

|                       |                              |           |
|-----------------------|------------------------------|-----------|
| MRI 202               | MRI Image Evaluation         | 1         |
| MRI 205               | MR Clinical Practicum III    | 2         |
| ENG 102               | English Composition II       | 3         |
| <b>Total</b>          |                              | <b>9</b>  |
| <b>Fifth Semester</b> |                              |           |
| RAD 212               | Radiographic Pathology       | 2         |
| RAD 230               | Medical Ethics and Law       | 2         |
| CMS 215               | Intercultural Communication  | 3         |
| MRI 206               | Clinical Practicum IV        | 5         |
| <b>Total</b>          |                              | <b>12</b> |
| <b>Sixth Semester</b> |                              |           |
| RAD 240               | Career Development           | 1         |
| HPE 270               | Global Context of Healthcare | 2         |
| HUM 216               | Ethics                       | 3         |
| MRI 207               | Clinical Practicum V         | 5         |
| <b>Total</b>          |                              | <b>11</b> |
| <b>Program Total</b>  |                              | <b>66</b> |