



**Catalog Updates (Addendum) as of June 15, 2021**

Any questions, reach out to a Kishwaukee College Academic Advisor.

**Program Changes**

**Page 36**

**Associate in Engineering Science Degree, Curriculum No. 140**

- HUM 217 World Mythology is now added to the list of humanities options

**Page 37**

- CHE 211 General Chemistry and MAT 240 Linear Algebra are no longer Major Recommendations

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**Computer-Aided Design Technology – Certificate, Curriculum No. 414**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.

**Computer-Aided Mechanical Drafting – Certificate, Curriculum No. 415**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.

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**Associate in Fine Arts Degree (Fine Arts Emphasis)**

- HUM 217 World Mythology is now added to the list of humanities options

**Page 62**

**Computer Information Systems – Degree, Curriculum No. 437**

- CIS 285 Cybersecurity (3) added to the approve electives

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**Networking & Systems Administration – Degree, Curriculum No. 460**

- CIS 285 Cybersecurity (3) added to the approve electives

- The program planner is the following:

KISHWAUKEE COLLEGE  
**CIS #460 Networking & Systems Administration** AAS degree  
 requires 62 credit hours

| Course Prefix & #                    | Title of Course                   | Credit<br>Hours |
|--------------------------------------|-----------------------------------|-----------------|
| <b>Fall Semester - First Year</b>    |                                   |                 |
| CIS 140                              | Networking Fundamentals           | 4               |
| CIS 182                              | Windows Server Fundamentals I     | 3               |
| CIS 190                              | Google IT Support                 | 6               |
| COM 100                              | Oral Communication <b>or</b>      |                 |
| COM 108                              | Communication in the Workplace    | 3               |
| Total                                |                                   | 16              |
| <b>Spring Semester - First Year</b>  |                                   |                 |
| CIS 282                              | Windows Server II Networking      | 3               |
| CIS 283                              | Network Security+                 | 3               |
| ENG 103                              | Composition I <b>or</b>           |                 |
| ENG 109                              | Intro to Technical Report Writing | 3               |
| MAT 150                              | College Algebra <b>or</b>         |                 |
| MAT 210                              | Finite Mathematics                | 4 or 3          |
|                                      | Humanities elective               | 3               |
| Total                                |                                   | 15-16           |
| <b>Fall Semester - Second Year</b>   |                                   |                 |
| CIS 111                              | Intro to Programming: Python      | 3               |
| CIS 123                              | Management Information Systems    | 3               |
| CIS 150                              | C++ Programming I <b>or</b>       |                 |
| CIS 160                              | Java Programming I                | 3               |
|                                      | Social Science elective           | 3               |
|                                      | CIS or other approved elective*   | 3               |
| Total                                |                                   | 15              |
| <b>Spring Semester - Second Year</b> |                                   |                 |
| CIS 170                              | Introduction to UNIX              | 3               |

CIS 236 CIS Project

or

|                                  |           |
|----------------------------------|-----------|
| CIS 296 CIS Internship           | 3         |
| CIS 265 Server-Side Programming  | 3         |
| CIS or other approved electives* | 7         |
| Total                            | <hr/> 16  |
| Program Total                    | 62-63 hrs |

**\*CIS or other approved electives:**

CIS 101 Introduction to Computers (3)  
CIS 118 Web Site Development (3)  
CIS 119 Java Script (3)  
CIS 250 C++ Programming II (3)  
CIS 260 Java Programming II (3)  
CIS 285 Cybersecurity (3)  
BUS 101 Introduction to Business (3)  
MM 269 Entrepreneurship (3)  
OS 133 Spreadsheets/Excel (3)  
OS 135 Database/Access (3)  
OS 233 Advanced Spreadsheets/Excel  
(1)  
PHL 103 Introduction to Logic (3)  
Other relevant courses with consent of CIS  
department.  
(Discuss your future plans with a CIS  
advisor.)

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**Industrial Automation – Certificate, Curriculum No. 431**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.

**Page 69**

**Industrial Electricity – Certificate, Curriculum No. 435**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.

**Industrial Electronics – Certificate, Curriculum No. 439**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.

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**EMS Paramedic, Curriculum No. 456**

- Spring Semester – First Year, BIO 110 should be called Human Biology Laboratory

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**Cannabis & Hemp Cultivation, Curriculum No. 420**

- Program is now 26 credit hours
- See revised planner below

| Course Prefix & number       | Course Title              | Credit hours |
|------------------------------|---------------------------|--------------|
| Fall Semester – First Year   |                           |              |
| AGT 210                      | Intro Crop Science        | 4            |
| AGT 215                      | Intro Soils & Fertilizers | 4            |
| HOR 103                      | Horticulture Science      | 3            |
| HOR 112                      | Greenhouse Management     | 3            |
|                              |                           | <hr/> 14     |
| Spring Semester – First Year |                           |              |
| HOR 105                      | Botany for Horticulture   | 3            |
| HOR 186                      | Sustainable Gardening I   | 1            |
| HOR 220                      | Cannabis Biology &        | 4            |
| HOR 279                      | Production                | 4            |
|                              | Bedding Plant             | <hr/> 12     |
|                              | Production&Sales          |              |
| Program Total                |                           | 26           |

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**CNC Production Technician - Certificate, No. 422**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.

**Automated Industrial Tech – Certificate, No. 283**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.

**Certified Production Tech – Certificate, Curriculum No. 242**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.

**Precision Machining Apprenticeship, Curriculum No. 233**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.
- MT 102 Metrology is now offered Spring Semester – First Year
- 15 credits both semesters

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**Marketing and Management Degree, Curriculum No. 218**

- Fall Semester, First Year should be (17-18)
- MM 250 Leadership Development (3) has been added to the electives

**Page 78**

**Supervision Basics, Curriculum No. 409**

- OS 108 Introduction to Software Applications has been removed as a required course and replaced with an OS elective (3)

**Medical Assistant, Curriculum No. 408**

- See revised program planner

|   |                                 |              |
|---|---------------------------------|--------------|
| Pre-MA Work Course  |                                 |              |
| TPM 112   | Anatomy/Physiology Comp. Health | 5            |
| Fall Semester – First Year  |                                 |              |
| MA 130  | Medical Office Administration   | 4            |
| MA 140  | MA Clinical Procedures I        | 6-7*         |
| HIT 216 (OS 216)  | Medical Terminology I           | 3            |
|   |                                 | <u>13-14</u> |
| *Only Certified Phlebotomists may be eligible for reduced credit. |                                 |              |
| Spring Semester – First Year                                      |                                 |              |
| MA 133  | Electronic Health Records       | 3            |
| MA 135  | Medical Law & Ethics            | 2            |
| MA 230  | MA Clinical Procedures II       | 4            |
|   |                                 | <u>9</u>     |
| Summer Semester   |                                 |              |
| MA 233  | MA Clinical Externship          | 2.5          |
| MA 237  | MA Externship Seminar           | 1            |
|   |                                 | <u>3.5</u>   |
| Program Total   |                                 | 30.5-31.5    |

## **Page 81**

### **Application Specialist – Certificate, Curriculum No. 445**

- Medical Billing and Coding- Certificate, Curriculum No. 274 located on page 71 under the heading Health Information Technology.

## **Page 84**

### **Technology & Manufacturing – Curriculum No. 370**

- Program not accepting new students for 2021-2022. Consult with an advisor for options.
- "...Using an interdisciplinary approach, students..."
- Fall Semester – Second Year should be 15 credits total, not 13
- CAD 253 is 4 credits, not 3
- CAD 254 is 4 credits, not 3

## **New Programs**

## **Page 64**

### **Cybersecurity Specialist – Certificate, Curriculum No. 484**

- Approval (no longer pending)

## **Course Changes**

## **Page 110**

### **EMS 107 Basic Emergency Medical Technician (7)**

- remove the prerequisite

## **Page 114**

### **EST 110 Esthetics Procedures I (4)**

- Prerequisite Change - EST 100, HLT 122, HIT 216, PE 162 with grades of "C" or higher.

### **EST 111 Esthetics Clinical (3)**

- Prerequisite Change - EST 100, HLT 122, HIT 216, PE 162 with grades of "C" or higher

## **Page 115**

### **GEO 202 World Regional Geography (3)**

- New Title – Human Geography

## **Page 116**

### **HIT 217 Medical Transcription I (3)**

- This course is no longer offered

### **HIT 218 Medical Office Procedures (3)**

- Prerequisite Change - HIT 216

### **HIT 219 Medical Terminology II (4)**

- Prerequisite Change - HIT 216

### **HIT 220 Health Insurance Billing (2)**

- Prerequisite Change - HIT 216

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### **HIT 221 Medical Coding I (3)**

- Prerequisite Change - HIT 115 and HIT 216

### **HIT 222 Medical Coding II (3)**

- Prerequisite Change - HIT 221

### **HIT 223 Pharmacology and Lab Medicine**

- Prerequisite Change - HIT 216

### **HIS 173 World History Since 1500 (3)**

- The IAI code is H2 907

## **Page 120**

### **HOR 220 Cannabis Biology & Production (4)**

- Prerequisite Change - HOR 103, HOR 105, HOR 279 or concurrent enrollment in HOR 103, HOR 105, or HOR 279

## **Page 121**

### **HOR 279 Bedding Plant Production & Sales (4)**

- New Title – Bedding Plant Production&Sales
- Prerequisite Change - None

## **Page 122**

### **HOS 214 Food & Beverage Service (3)**

- Prerequisite Change - None

## **Page 128**

### **MA 130 Medical Assistant Skills I (4)**

- New Title - Medical Office Administration
- Prerequisite Change- Program Director Consent
- New Course Description - This course will begin by introducing the roles and responsibilities of a medical assistant as well as introduces the basic concept of medical assisting and its relation to other health fields. The purpose of medical records, charting in the patient record, and filing medical records. Additional topics in the course will emphasize the professional and business communications including office protocol, greeting and receiving patients, explaining office policies, appointment scheduling, medical office equipment, mail services, and basic keyboarding. Students will learn to format and create a business letter, personal letter and chart notes as well as identify the different types of correspondence used in the medical office while displaying professionalism through written and verbal communications. This course will also provide practical application of insurance billing procedures, completion of claim forms, basic insurance terminology and various health plans including Medicare, Medicaid, HMOs and PPOs. Topics will include managed care, reimbursement and coding, and HIPAA compliance in the medical office. Additional topics covered within the course are banking procedures with includes accounts receivable and payable, payroll, checking, writing and inventory. Four hours lecture/discussion per week.

### **MA 133 Electronic Health Records (3)**

- Prerequisite Change- MA 130, MA 140, and HIT 216 with grades of “C” or higher and Program Director Consent.

### **MA 135 Medical Assistant Skills II (2)**

- New Title - Medical Law & Ethics
- Prerequisite Change - MA 130, MA 140, and HIT 216 with grades of “C” or higher and Program Director Consent
- New Course Description - This course will start by covering topics that include the medical and legal aspects in healthcare, the physician/ patient/medical assistant relationship, the legal scope of medical assistants, professional and organizational ethics, and bioethical issues. This course includes the study of the fundamental principles related to human relations, self-improvement,



professional appearance and attitudes, limitations, and behaviors. Principles of individualized client care and etiquette of the medical practice are emphasized. Two hours of lecture/discussion per week.

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##### **MA 140 Medical Assistant Skills III (6-7)**

- New Title - MA Clinical Procedures
- Prerequisite Change - Program Director Consent

##### **MA 230 Medical Assistant Skills IV (4)**

- New Title - MA Clinical Procedures II
- Prerequisite Change - MA 130, MA 140, and HIT 216 with grades of "C" or higher and Program Director Consent.

##### **MA 233 Clinical MA Externship (2.5)**

- New Title -MA Clinical Externship
- Prerequisite change - MA 133, MA 135, and MA 230 with grades of "C" or higher and concurrent enrollment in MA 237.

##### **MA 237 MA Professional Development (1)**

- New Title - MA Externship Seminar
- Prerequisite Change - MA 133, MA 135, and MA 230 with grades of "C" or higher and concurrent enrollment in MA 233.

#### **Page 134**

- For courses related to Medical Billing and Coding see Health Information Technology, pages 116 and 117.

#### **New Courses**

#### **Page 102**

##### **CIS 285 Cybersecurity – 3 Credits**

- Approved by ICCB – pending is now removed

#### **Page 125**

##### **MM 250 Leadership Development – 3 credits**

- Prerequisite: None.

- Course Description: Leadership has been identified as a critical skill for individuals working with teams, task forces, and work units at all levels in the business organization. This course provides a basic understanding of leadership theories, teamwork, and ethical responsibilities of leadership. Through study, observation and participatory activities, students are encouraged to identify their own ability and style of leadership, develop their personal leadership potential and leadership philosophy. Three hours lecture/discussion a week.