



**SUPPLEMENT TO THE**

**2009-2010**

**CATALOG**

NOTE: ALL page numbers are the ones printed on the Catalog page, not the pdf page.

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Updated:

**AA, AS DEGREE REQUIREMENTS REVIEW**

The Associate of Arts and Associate of Science Degrees are awarded to students who meet the following graduation requirements:

1. Earn a minimum of 60 credit hours (excluding developmental credit).
2. Complete the core curriculum of 45 credit hours.
3. Complete a minimum of 12 credit hours of recommended electives / areas of emphasis. See pages 55 – 76.
4. For the Associate of Arts degree, complete a 3 credit hour Sophomore Literature course; this requirements may be met through a Core Literature course.
5. For the Associate of Science degree, complete an **additional** 3 credit hour mathematics course.
6. Earn a minimum of 18 credit hours in residency at Collin.
7. Earn a minimum cumulative GPA of 2.0.
8. Complete TSI requirements.

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Updated:

**The Associate of Arts in Teaching degree is awarded to students who meet the following requirements (in addition to requirements 1, 6, 7 and 8 listed above).**

Pages 55, 56, Contact Information for Debra Lamb:

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108, 113 Phone # is 972.881.5165

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**Biotechnology**

AAS Biotechnology – 68 credit hours

Biotechnology Certificate – 30 credit hours

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**Computer-Aided Drafting and Design**

The following programs have been deleted:

- AAS Integrated Circuit Design and Layout Specialization
- Integrated Circuit Design and Layout Certificate
- Integrated Circuit Design and Layout Marketable Skills Achievement Award

Page 89-91     **Computer Networking Technology**  
AAS Computer Networking Technology – Elective replaces ITMT 2446  
AAS Cisco Systems Networking Specialization – ITNW 1454 has been deleted  
Computer Networking Technology Software (MCSA) Certificate – in the list of electives –  
ITMT 2440 replaces ITMT 2446

Page 102     **Electronic Design**  
Electronic Design Automation Certificate – DFTG 2336 replaces DFTG 2371

Page 107     Updated:  
**HEALTH INFORMATION TECHNOLOGY**  
**Program Director:**  
Patricia Pierson, RHIA, BS . . . . . CPC-E307 . . . . . 972.548.6676  
**Academic Advisor:**  
Tori Hoffman . . . . . CPC-D117E . . . . . 972.548.6779

The AAS in Health Information Technology (HIT) at Collin County Community College is an 18 month program (two academic years) that will prepare the student for workforce entry-level as a certification eligible coding associate and registered health information technician. The course of study consists of approved courses from the Workforce Education Course Manual of Texas. These courses are based on the AHIMA’s (American Health Information Management Association’s) competencies for the CCA (Certified Coding Associate) and the RHIT (Registered Health Information Technician). The Health Information Technology curriculum is approved by the Texas Higher Education Coordinating Board and modeled after the AHIMA national associate degree curriculum. The HIT AAS program is pending accreditation for Health Informatics and Information Management Education (CAHIIM).

Students must have instructor permission to enroll in cooperative education, the Clinical-Health Information/Medical Records Technology (Capstone) course, and must meet all requirements of external clinical facilities participating in the program. These requirements include drug screens, background checks, selected immunizations and proof of personal health insurance. Admission to this course is limited and competitive and requires student have permission from the program director. Students must have completed all previous course work with a GPA of 2.5 or higher to be considered. For more information, contact the Health Information Technology Department. Students who think they may need functional accommodation are encouraged to contact the college ACCESS department as soon as this program is of interest.

Students interested in the program should see an academic advisor for consultation and consult the college web site for more specific information. The Program Director should be contacted to construct a degree plan as soon as the program is of interest.

**Information Systems Cybersecurity****AAS – Information Systems Cybersecurity**

71-72 credit hours

*All ITCC, ITMC, ITMT, ITNW and ITSY courses are offered in eight-week express sessions.***FIRST YEAR****First Semester**CPMT 1405 IT Essentials I: PC Hardware and Software<sup>1</sup>*ENGL 1301 Composition/Rhetoric I*

ITMT 1300 Implementing and Supporting Microsoft Windows XP Professional

ITMT 1440 Managing and Maintaining a Microsoft Windows Server 2003 Environment

ITNW 1358 Network+

**Second Semester***ECON 2301 Principles of Macroeconomics*ITCC 1301 CCNA 1 Exploration - Network Fundamentals<sup>1</sup>ITMT 1450 Implementing, Managing, and Maintaining a Microsoft Windows Server 2003  
Network Infrastructure: Network Services

ITSC 1316 Linux Installation and Configuration

*PHED/DANC Any activity course*

Elective\*

**Summer**ITCC 1304 CCNA 2 Cisco Exploration 2 - Routing Protocols and Concepts<sup>1</sup>*MATH 1314 College Algebra*<sup>2</sup>**SECOND YEAR****First Semester**ITCC 2308 CCNA 3 Cisco Exploration 3 - LAN Switching and Wireless<sup>1</sup>ITCC 2310 CCNA 4 Cisco Exploration 4 - Accessing the WAN<sup>1</sup>

ITSY 2300 Operating System Security

ITSY 2301 Firewalls and Network Security

*SPCH 1311 Fundamentals of Speech Communication***Second Semester***HUMA 1301 Introduction to the Humanities*

ITSY 2341 Security Management Practices

ITSY 2342 Incident Response and Handling

ITSY 2343 Computer System Forensics

ITSY 2371 e-Commerce and Biometric Authentication (Capstone)

*Note: Preferred core choices in italics; other options available on pages 76-77, unless otherwise noted.*<sup>1</sup> Tech Prep course which may have been completed in high school<sup>2</sup> College Algebra level or higher required

\* Elective (4-5 credit hours): ITMT 2440, ITSY 1400, or ITSY 2572

## **Information Systems Cybersecurity Certificate**

39-40 credit hours

*All ITCC, ITMC, ITMT, ITNW, and ITSY courses are offered in eight-week express sessions.*

### **First Semester**

ITCC 1301 CCNA 1 Exploration - Network Fundamentals<sup>1</sup>

ITCC 1304 CCNA 2 Cisco Exploration 2 - Routing Protocols and Concepts<sup>1</sup>

ITMT 1440 Managing and Maintaining a Microsoft Windows Server 2003 Environment

ITNW 1358 Network+

### **Second Semester**

ITMT 1450 Implementing, Managing, and Maintaining a Microsoft Windows Server 2003

Network Infrastructure: Network Services

ITSY 2300 Operating System Security

ITSY 2301 Firewalls and Network Security

ITSY 2342 Incident Response and Handling

Elective\*

### **Summer**

ITSY 2341 Security Management Practices

ITSY 2343 Computer System Forensics

ITSY 2371 e-Commerce and Biometric Authentication (Capstone)

<sup>1</sup> Tech Prep course which may have been completed in high school

\* Elective (4-5 credit hours): ITMT 2440, ITSY 1400, or ITSY 2572

## **CISSP Information Systems Cybersecurity Professional Certificate**

15 credit hours

*All ITCC, ITMC, ITMT, ITNW, and ITSY courses are offered in eight-week express sessions.*

### **First Semester**

ITNW 1358 Network+

### **Second Semester**

ITSY 1400 Fundamentals of Information Security

ITSY 2341 Security Management Practices

ITSY 2572 Certified Information Systems Security Professional (CISSP) Common  
Body Of Knowledge Domain Instruction (Capstone)

## **Interior and Architectural Design**

### **AAS – Green Interior and Architectural Design Specialization**

72 credit hours

#### **FIRST YEAR**

##### **First Semester**

DFTG 1309 Basic Computer-Aided Drafting <sup>1</sup>

*ECON 1301 Introduction to Economics*

INDS 1301 Basic Elements of Design

INDS 1341 Color Theory and Application

INDS 1371 Introduction to Green Design

##### **Second Semester**

INDS 1319 Technical Drawing for Interior Designers

INDS 1351 History of Interiors I

INDS 1372 Computer-Aided Drafting for Interior Designers

INDS 1373 Green Interiors I

*MATH 1314 College Algebra* <sup>2</sup>

*PHED/DANC Any activity course*

##### **Summer**

*ENGL 1301 Composition/Rhetoric I*

*SPCH 1311 Fundamentals of Speech Communication*

#### **SECOND YEAR**

##### **First Semester**

*HUMA 1301 Introduction to the Humanities*

INDS 1315 Materials, Methods and Estimating

INDS 1352 History of Interiors II

INDS 2313 Residential Design I

INDS 2315 Lighting for Interior Designers

##### **Second Semester**

CNBT 2317 Green Building

INDS 1345 Commercial Design I

INDS 2330 Interior Design Building Systems

INDS 2335 Residential Design II

INDS 2374 Sustainable Living

##### **Summer**

INDS 1280 Cooperative Education - Interior Design

INDS 2373 Green Interiors II (Capstone)

*Note: Preferred core choices in italics; other options available on pages 76-77, unless otherwise noted.*

<sup>1</sup> Tech Prep course which may have been completed in high school

<sup>2</sup> College Algebra level or higher required

**Green Interior and Architectural Design Level II Certificate**  
54 credit hours

**FIRST YEAR**

**First Semester**

DFTG 1309 Basic Computer-Aided Drafting <sup>1</sup>  
INDS 1301 Basic Elements of Design  
INDS 1341 Color Theory and Application  
INDS 1371 Introduction to Green Design

**Second Semester**

INDS 1319 Technical Drawing for Interior Designers  
INDS 1351 History of Interiors I  
INDS 1372 Computer-Aided Drafting for Interior Designers  
INDS 1373 Green Interiors I

**SECOND YEAR**

**First Semester**

INDS 1315 Materials, Methods and Estimating  
INDS 1352 History of Interiors II  
INDS 2313 Residential Design I  
INDS 2315 Lighting for Interior Designers

**Second Semester**

CNBT 2317 Green Building  
INDS 1345 Commercial Design I  
INDS 2330 Interior Design Building Systems  
INDS 2335 Residential Design II  
INDS 2374 Sustainable Living

**Summer**

INDS 2373 Green Interiors II (Capstone)

<sup>1</sup> Tech Prep course which may have been completed in high school

**Green Interior and Architectural Design Level I Certificate**  
21 credit hours

**First Semester**

DFTG 1309 Basic Computer-Aided Drafting <sup>1</sup>  
INDS 1315 Materials, Methods and Estimating  
INDS 1371 Introduction to Green Design

**Second Semester**

CNBT 2317 Green Building  
INDS 1373 Green Interiors I  
INDS 2374 Sustainable Living

**Summer**

INDS 2373 Green Interiors II (Capstone)

<sup>1</sup> Tech Prep course which may have been completed in high school

**MCAA – Green Interior and Architectural Design**

12 credit hours

**First Semester**

DFTG 1309 Basic Computer-Aided Drafting <sup>1</sup>  
INDS 1371 Introduction to Green Design

**Second Semester**

INDS 1373 Green Interiors I  
INDS 1375 Green Building Certification Training

<sup>1</sup> Tech Prep course which may have been completed in high school

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**MARKETABLE SKILLS ACHIEVEMENT AWARD**

Some of the courses in this award program may require prerequisites, corequisites, and/or prerequisite/concurrent enrollment. Please check the course descriptions in the 2009-2010 Catalog and/or the document “Courses added after printed 2009-2010 Catalog” on our webpage.

**MCAA – Certified Nurse Assistant**

*14 credit hours*

DSAE 1340 Diagnostic Electrocardiography  
ECRD 1111 Electrocardiography  
NURA 1160 Clinical – Nurses Aide and Patient Assessment  
NURA 1301 Nurse Aide for Health Care  
PLAB 1323 Phlebotomy  
PLAB 1360 Clinical – Phlebotomy



**Semiconductor Manufacturing Technology****AAS – Semiconductor Manufacturing Technology Solar Cell Specialization**

72 credit hours

**FIRST YEAR****First Semester**CETT 1403 DC Circuits <sup>1</sup>*ENGL 1301 Composition/Rhetoric I*

ENGR 1201 Introduction to Engineering

*MATH 1314 College Algebra* <sup>2</sup>

SMFT 1471 Fundamentals of Silicon Solar Cell Engineering

**Second Semester**CETT 1405 AC Circuits <sup>1</sup>

MATH 1316 Trigonometry

PHYS 1401 General Physics I

SMFT 1473 Fundamentals of Silicon Solar Cell Manufacturing

**Summer***ECON 1301 Introduction to Economics**SPCH 1311 Fundamentals of Speech Communication***SECOND YEAR****First Semester**

CETT 1380 Cooperative Education - Computer Engineering Technology/Technician

CETT 1429 Solid State Devices <sup>1</sup>*HUMA 1301 Introduction to the Humanities**PHED/DANC Any activity course*

SMFT 1475 Materials Technology, Measurement Technology and Characterization Methods Used In Semiconductor Solar Cell Manufacturing

SMFT 2370 Semiconductor Solar Cell Manufacturing Facilities, Methods, and Safety

**Second Semester**

CPMT 2302 Digital Home Technology Integration

HART 2472 Alternative Energy Perspectives, Energy Sources, Energy Storage, and Energy Distribution

SMFT 2471 Advanced Solar Cell Design And Engineering (Capstone)

Elective\*

Elective\*

*Note: Preferred core choices in italics; other options available on pages 76-77, unless otherwise noted.*<sup>1</sup> Tech Prep course which may have been completed in high school<sup>2</sup> College Algebra level or higher required

\* Elective (6 credit hours): HART 1475, SMFT 2379, or any CETT, CPMT, EECT, or ENGR course

## **Semiconductor Manufacturing Technology Solar Cell Operations Certificate**

19 credit hours

### **First Semester**

CETT 1403 DC Circuits <sup>1</sup>

SMFT 1370 Introduction to Silicon Solar Cell Engineering

SMFT 1372 Introduction to Silicon Solar Cell Manufacturing

### **Second Semester**

CETT 1380 Cooperative Education - Computer Engineering Technology/Technician (Capstone)

SMFT 1374 Introduction to Materials Technology, Measurement Technology and Characterization Methods Used In Semiconductor Solar Cell Manufacturing

SMFT 2370 Semiconductor Solar Cell Manufacturing Facilities, Methods, and Safety

<sup>1</sup> Tech Prep course which may have been completed in high school

## **Semiconductor Manufacturing Technology Solar Cell Engineering Specialization**

38 credit hours

### **First Semester**

CETT 1403 DC Circuits <sup>1</sup>

CETT 1429 Solid State Devices <sup>1</sup>

SMFT 1471 Fundamentals of Silicon Solar Cell Engineering

SMFT 1473 Fundamentals of Silicon Solar Cell Manufacturing

### **Second Semester**

CETT 1405 AC Circuits <sup>1</sup>

SMFT 1475 Materials Technology, Measurement Technology and Characterization Methods Used In Semiconductor Solar Cell Manufacturing

SMFT 2370 Semiconductor Solar Cell Manufacturing Facilities, Methods, and Safety

Elective\*

### **Summer**

HART 2472 Alternative Energy Perspectives, Energy Sources, Energy Storage, and Energy Distribution

SMFT 2471 Advanced Solar Cell Design And Engineering (Capstone)

<sup>1</sup> Tech Prep course which may have been completed in high school

\* Elective (3 credit hours): CPMT 2302, HART 1475, SMFT 2379, or any CETT, CPMT, EECT, or ENGR course

## **Semiconductor Manufacturing Technology Solar Cell Technician Specialization**

37 credit hours

### **First Semester**

CETT 1403 DC Circuits <sup>1</sup>

CETT 1429 Solid State Devices <sup>1</sup>

SMFT 1471 Fundamentals of Silicon Solar Cell Engineering

SMFT 1473 Fundamentals of Silicon Solar Cell Manufacturing

### **Second Semester**

CETT 1405 AC Circuits <sup>1</sup>

HART 2472 Alternative Energy Perspectives, Energy Sources, Energy Storage, and Energy Distribution

SMFT 1475 Materials Technology, Measurement Technology and Characterization Methods Used In Semiconductor Solar Cell Manufacturing

SMFT 2370 Semiconductor Solar Cell Manufacturing Facilities, Methods, and Safety

### **Summer**

CETT 1380 Cooperative Education - Computer Engineering Technology/Technician (Capstone)

Elective\*

<sup>1</sup> Tech Prep course which may have been completed in high school

\* Elective (3 credit hours): CPMT 2302, HART 1475, or any CETT, CPMT, EECT, or ENGR course