

**DVR Meeting**  
**March 15, 2019**  
**Fashion/Textiles Minutes**  
**Harper College**

Members Present: Jen Miller (Proviso), Connie Jesukaitis (Proviso), Natalie Hornik (OPRF), Kristina Belpedio (OPRF), Jackie Morris (OPRF), Tori Tenuta (OPRF), Sharon Rainbolt (Harper College), Dr. Mary Beth Ottinger (Harper College), Nupur Sharma (Harper College), Valarie Berger (Leyden)

1. Purpose of Meeting
  - a. To evaluate the local need for a textiles program of study.
  - b. To evaluate the local need for a design program of study.
  - c. To explore a dual credit agreement with Harper College
2. Fashion Manufacturing
  - a. Multiple CIP Codes
  - b. Choose the CIP that focuses on construction
  - c. Includes flat pattern
  - d. Includes draping
  - e. Local Companies
    - i. Arlington Heights
    - ii. Des Plaines
3. Textiles Manufacturing
  - a. No CIP code
  - b. No jobs in Illinois for traditional textiles manufacturing
  - c. There are jobs for digital textiles
    - i. Wallpaper industry
    - ii. Packaging industry (wrapping paper)
    - iii. Requires CAD (computer aided drafting)
4. Flat Pattern
  - a. There are more jobs for computer pattern making
  - b. Requires CAD
  - c. Course progression
    - i. Flat Pattern 1, 2, 3
    - ii. CAD
    - iii. 3-D
      1. Build an avatar
      2. Use avatar to test patterns
5. Dual Credit
  - a. FAS100: Introduction to Commercial Sewing
    - i. Focuses on speed and cost analysis
    - ii. Schools must have commercial sewing machines (Juki) and serger
    - iii. Instructors must attend Harper training
    - iv. Course Requirements
      1. Muslin skirt with 4 darts
      2. Printed blouse with facings, sleeve, collar
      3. "Little Black Dress" with darts, vent, facing, zipper
        - a. Present at Jury Show
          - i. Upperclassmen and jury of 10 industry professionals judge
          - ii. Present target audience for garment
          - iii. Present selling cost
          - iv. Present production cost
        - b. \$100 prize

- b. FAS112: Fashion Basics – no instructor training
  - c. FAS 116: Fashion Industries Career Practicum and Seminar – no instructor training
  - d. Dual credit teachers
    - i. Attend training at Harper College over the summer for FAS100
      - 1. Week long class
      - 2. Will complete all projects of FAS100 course
      - 3. RSVP by end of April to Nupur Sharma: [nsharma1@harpercollege.edu](mailto:nsharma1@harpercollege.edu)
      - 4. Cost is \$3000 for up to 4 teachers
      - 5. \$400 for supplies
      - 6. 5 days/6 hours per day
      - 7. Looking at May 28 – June 1
    - ii. Submit official transcripts
  - e. Dual credit students
    - i. Application as dual credit student
    - ii. No application fees
    - iii. No entrance exam
    - iv. Use of all college facilities
    - v. Upon becoming a full time student
      - 1. Pay in-district fees
      - 2. Take entrance exams
    - vi. District requirements
      - 1. Align high school curriculum with Harper curriculum
      - 2. Pay \$50/student/course
6. Textiles Certificate
- a. Focuses on entrepreneurs
  - b. No traditional textile jobs in Illinois
7. Harper Programs
- a. All career programs are funded
  - b. All career programs work closely with advisory board
    - i. Align with current demands in industry
    - ii. Align with available jobs in Illinois
  - c. Career programs are transferrable to 4 year degree
    - i. Colleges look at the entire program and not individual courses
    - ii. Dual credit courses will transfer to 4 year program in career programs
  - d. Articulated with
    - i. Columbia
    - ii. Northern Illinois University – in process
    - iii. Paris
    - iv. Kent State
      - 1. Accepts Harper A.A.S. degree in fashion
      - 2. Harper students enter as a junior

## Early College Credit Course Request Form

A separate form should be completed for each new course opportunity. Approval from the high school district office must be obtained prior to submitting this form to Harper College.

**Please indicate the first semester the course will be offered for Dual Credit:**

- Fall Semester 20\_\_**  
(Please Note: Form submission deadline is February 1<sup>st</sup> of the same year)
- Spring Semester 20\_\_**  
(Please Note: Form submission deadline is May 1<sup>st</sup> of the year prior)
- Summer Semester 20\_\_**  
(Please Note: Form submission deadline is February 1<sup>st</sup> of the same year)

**Requestor's Information (Must originate from high school district office.)**

_____	_____
Name	Job Title
_____	_____
Phone Number	Email Address
_____	_____
Signature	Date

**Please check the box for the type of Early College Credit desired:**

**Dual Credit**

Students participating in the Dual Credit program earn both high school and college credit simultaneously. When the class is complete, the student will receive a letter grade on both their high school and Harper College transcripts. Students must meet Harper College's prerequisites for the course.

Harper course # and title being requested: \_\_\_\_\_

\*If no Harper course is identified, a high school outline or syllabus must be submitted with this request.

High School course title and #: \_\_\_\_\_

High School(s) to offer this course: \_\_\_\_\_

High School course duration:

- 1 semester     2 semesters     Block schedule

Course option: (please check one):

- A Harper course offered during the school day at the high school, taught by a high school instructor as part of their regular teaching load. Course content and learning outcomes must be the same as that for credit bearing college courses and be appropriately measured.

Unofficial transcripts submitted for credential review within two weeks. (Resume or certificates, if applicable.)

Instructors teaching credit-bearing college-level courses for dual credit must meet the same academic credential requirements as faculty teaching on campus.

- A Harper course taught by a Harper instructor offered at Harper. The high school district is responsible for paying tuition and fees.

**Credit by Exam**

Students participating in the Credit by Exam program could potentially earn college credit determined by the results of an exam taken at the end of the high school course.

Harper course # and title being requested: \_\_\_\_\_

\*If no Harper course is identified, a high school outline or syllabus must be submitted with this request.

High School course title and #: \_\_\_\_\_

High School(s) to offer this option: \_\_\_\_\_

High School course duration (Please check all that apply):  
 1 semester     2 semesters     Block schedule

High School(s) to offer this course: \_\_\_\_\_

Harper confirmed receipt of request (and transcripts or certifications, if applicable).

Date: \_\_\_\_\_

**Signatures**

(To be signed after curriculum has been reviewed, and instructors approved if applicable.)

**High School District Office Approval:**

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Harper College Approvals:**

**Division Dean:**

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Associate Provost:**

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Please return this form and all required materials to:**

Sharon Rainbolt, Dual Credit Coordinator  
Harper College  
1200 W. Algonquin  
Palatine, IL 60067  
srainbol@harpercollege.edu  
847.925.6364

**Harper College Use Only**  
**Course information to be completed by Harper Administrator**

Approved Date: \_\_\_\_\_

Harper course title and #:  
\_\_\_\_\_

Format: (circle one)    Dual Credit    AP    Credit By Exam

Semester the high school course will start:  
\_\_\_\_\_

Semester in which Harper credit will be awarded:  
\_\_\_\_\_

Required Teaching Credentials:  
\_\_\_\_\_

Textbook to be used (title, author, ed.):  
\_\_\_\_\_

Student prerequisites for enrollment:  
\_\_\_\_\_

**Harper College Use Only**

Denied Date: \_\_\_\_\_

Reason:  
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Finalized form sent to requestor.

Date: \_\_\_\_\_

## Dual Credit Off-Campus Course Instructor Required Materials

This form is required of all Dual Credit Instructors who have been assigned to teach a Dual Credit course at their high school. It must be completed and sent to the Dual Credit Coordinator prior to the course start date.

### Instructor Information:

Full Name (as it appears on your Social Security Card)

Job Title

Phone Number

Email Address

Home Address

City, State and ZIP

\*Last Four Digits of your Social Security Number

Maiden Name (if applicable)

Date of Birth

### \*Ethnicity

(Why do we require race/ethnic questions? In accordance with new standards issued by the U.S. Department of Education (USDE), schools across the nation must collect and report race and ethnicity for students and staff. This change allows data reporting to be in line with the U.S. Census and the rest of the federal government. This change is not optional for the states.)

#### What is Your Ethnicity? (Select One)

- Hispanic or Latino
- Not Hispanic or Latino

#### Select one or more races to indicate what you consider yourself to be (Please select all that apply):

- Asian
- American Indian or Alaskan Native
- Black or African American
- White
- Native Hawaiian/Pacific Islander
- Choose not to respond/unknown

#### Please identify your primary racial/ethnic group (Select One):

- Asian
- American Indian or Alaskan Native
- Black or African American
- White
- Native Hawaiian/Pacific Islander
- Choose not to respond/unknown

**Please check the highest degree earned:**

- Associate
- Bachelor
- Graduate
- Doctoral

**Please check your gender:**

- Male
- Female

**Please check the high school(s) where you are an instructor:**

- Barrington (140205)
- Buffalo Grove (140447)
- Conant (143343)
- Elk Grove (141778)
- Fremd (143347)
- Hersey (140097)
- Hoffman Estates (142301)
- Palatine (143345)
- Prospect (143062)
- Rolling Meadows (143736)
- Schaumburg (143857)
- Wheeling (144387)
- Vanguard (140104)

**Course Information**

List the course(s) you will be teaching: \_\_\_\_\_

**\*List all colleges you have attended:**

Note: You will need to send Harper **official** transcripts of all colleges you have attended (not including Harper College courses). Please send this documentation to the Harper College Dual Credit Coordinator. Information is at the end of the form.

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\*Information collected is required for Illinois State reporting per the Illinois Community College Board (ICCB) Management Information Systems Manual, July 2012, pages IV-4, V-71, and V-68.

**Please send the following information to the Harper College Dual Credit Coordinator before the class begins:**

- This completed form
- Official transcripts from all colleges you have attended

**Note to Dual Credit instructors: Please make sure all students receiving Dual Credit have applied to Harper via the free High School Partnership application. The Dual Credit Coordinator can send you step-by-step instructions upon request.**

**Dual Credit Coordinator Contact Information:**

Sharon Rainbolt  
Dual Credit Coordinator  
Harper College  
1200 W. Algonquin Road | Palatine, IL 60067  
P: 847-925-6364 | F: 847-925-6042  
srainbol@harpercollege.edu



WILLIAM RAINEY HARPER COLLEGE  
CAREER AND TECHNICAL PROGRAMS DIVISION  
GENERAL COURSE OUTLINE

Course Prefix	Course Number	Course Title	Contact Hours
FAS	100	INDUSTRIAL SEWING METHODS	1 Lecture/Demonstration 4 Lab/Studio 3 Credit Hours

### Course Description

Introduces students to the use and care of industrial sewing equipment, notion and supplies. Presents instruction in basic sewing techniques and their application to garment construction. (NOTE: This course is intended for students with little or no sewing experience.)

### Topical Outline

- I. General rules for stitching
- II. Basic stitching accuracy
- III. Seams
- IV. Hems
- V. Facings
- VI. Darts
- VII. Bands and cuffs
- VIII. Sleeves
- IX. Closures
- X. Zippers
- XI. Collars
- XII. Pockets
- XIII. Use of bias techniques

### Method of Presentation

1. Lecture
2. Other:
  - a. Demonstration
  - b. Group activities

### Student Outcomes (The student should)

1. demonstrate mastery of machine operation and care.
2. know basic terminology of garment construction.
3. understand and apply basic seams, hems, and garment parts.
4. understand and apply appropriate fabric choices to individual projects.

### Method of Evaluation

*Typical classroom assessment techniques*

- \_\_\_ Projects
- \_\_\_ Class participation
- \_\_\_ Objective tests
- \_\_\_ Studio/Lab performance
- \_\_\_ Final exam
- \_\_\_ Portfolios

Essays/Term papers

Oral examination

Research report

*Course content learning outcomes*

Quizzes

Group participation

Case study assignments

Homework

Midterm Exam

Exams

*Additional assessment information (optional).*

1.Review of sample notebook

2.Final project

### **Textbook**

*Required*

Czachor and Cole. Professional Sewing Techniques for Designers (w/Sample Workbook)

Package. Fairchild, 2014 ISBN: 9781563679445

Czachor and Cole. Professional Sewing Techniques for Designers. 2nd Edition. Fairchild, 2014 ISBN: 9781609019259

### **Supplementary materials**

**None**

**Software**

**None**

Prepared by: Nupur Sharma

Fall 2018

CID: 6564

WILLIAM RAINEY HARPER COLLEGE  
CAREER AND TECHNICAL PROGRAMS DIVISION  
GENERAL COURSE OUTLINE

Course Prefix	Course Number	Course Title	Contact Hours
FAS	112	FASHION BASICS	<i>3 Lecture/Demonstration</i> <i>_ Lab/Studio</i> <i>3 Credit Hours</i>

### Course Description

Presents fashion merchandise through evaluation of fashion products. Develops awareness of construction, as well as workmanship and design elements, such as fabric, color, silhouette and taste.

### Topical Outline

- I. Design Perception
  - A. Tools of fashion
  - B. Color
  - C. Texture
  - D. Silhouette and shape
  - E. Criteria for evaluation of fashion design
- II. Basic Apparel Styles
  - A. Variations and Changes in Fashion
  - B. Types of Styles
- III. Elements of Apparel Construction
  - A. Basic elements of construction
  - B. Criteria of workmanship
- IV. Apparel Size Ranges
  - A. Structure of industry
  - B. Size ranges

### Method of Presentation

1. Guest Speakers
2. Lecture
3. Field Trip
4. Other:
  - a. Film and slide presentations

### Student Outcomes (The student should)

1. recognize and name 75 garment shapes.
2. understand line and its psychological affects on the viewer.
3. understand form and shape as it relates to garments and the body.
4. recognize balance, symmetrical and asymmetrical, as it appears in garments.
5. recognize and understand rhythm as it appears in garments.
6. recognize proportion and relationship of parts as it appears in garments.
7. recognize pleasing composition as it appears in garments.
8. create pleasing line designs.
9. recognize the color systems created by Prange and Munselle.
10. recognize the color schemes—monochromatic, analogous, complimentary, split

- complimentary, warm and cool.
11. understand color vocabulary and terminology.
  12. create composition using color schemes.
  13. create a color wheel.
  14. prepare a wardrobe plan.
  15. identify different body styles.
  16. identify different garment styles to fit the appropriate body style.

## **Method of Evaluation**

### *Typical classroom assessment techniques*

- \_\_\_ Projects
- \_\_\_ Class participation
- \_\_\_ Objective tests
- \_\_\_ Studio/Lab performance
- \_\_\_ Final exam
- \_\_\_ Portfolios
- \_\_\_ Essays/Term papers
- \_\_\_ Oral examination
- \_\_\_ Research report

### *Course content learning outcomes*

- \_\_\_ Quizzes
- \_\_\_ Group participation
- \_\_\_ Case study assignments
- \_\_\_ Homework
- \_\_\_ Midterm Exam
- \_\_\_ Exams

### *Additional assessment information (optional).*

1. Special projects in area covered.
2. Final exam project.

## **Textbook**

### *Required*

Kemp-Gatterson. Apparel: Concepts & Practical Application. Fairchild, 2008 ISBN: 9781563674815

## **Supplementary materials**

**None**

**Software**

**None**

Prepared by: Nupur Sharma  
Fall 2018

CID: 6571

**WILLIAM RAINEY HARPER COLLEGE  
CAREER AND TECHNICAL PROGRAMS DIVISION  
GENERAL COURSE OUTLINE**

Course Prefix	Course Number	Course Title	Contact Hours
FAS	116	FASHION INDUSTRIES CAREER PRACTICUM AND SEMINAR	<u>1</u> Lecture/Demonstration <u>10</u> Lab/Studio <u>3</u> Credit Hours

**Course Description**

Studies an overview of career and employment possibilities in the fashion businesses and industries. Places emphasis on individual career path selections through interest testing and career counseling. (NOTE: Concurrent employment of ten hours or more in a fashion related field is required. Contact program coordinator for additional information.)

**Topical Outline**

- I. Exposure to current fashion professionals
- II. Interest testing and career counseling
- III. Educational and training requirements
- IV. Personal qualifications, characteristics and qualities contributing to employability
- V. Preparation for job search
- VI. Prospective job responsibilities
- VII. Employee-Management relations
- VIII. Employee-Peer relations
- IX. Problem solving on-the-job
- X. Employer history, policies, competitors, customer-market, and merchandising philosophy
- XI. Career ladder and long term implications

**Method of Presentation**

1. Lecture
2. Class Discussion
3. Guest Speakers
4. Other:
  - a. Practical work experience

**Student Outcomes (The student should)**

1. recognize individual strengths and their application to career path.
2. apply communication skills in the workplace.
3. recognize and apply problem solving techniques in the workplace.
4. utilize successful communication skills in employment situation.
5. develop a resume.

**Method of Evaluation**

*Typical classroom assessment techniques*

- \_\_\_ Projects
- \_\_\_ Class participation

- Objective tests
- Studio/Lab performance
- Final exam
- Portfolios
- Essays/Term papers
- Oral examination
- Research report

*Course content learning outcomes*

- Quizzes
- Group participation
- Case study assignments
- Homework
- Midterm Exam
- Exams

*Additional assessment information (optional).*

1. Employee assessment

**Textbook**

*Required*

Granger. Fashion Industry and Its Careers. 3rd Edition. Fairchild, 2015 ISBN:  
9781628923414

***Supplementary materials***

***None***

***Software***

***None***

Prepared by: Nupur Sharma  
Fall 2018

CID: 6573

# DUAL CREDIT

## FASHION ENTREPRENEURSHIP

### ASSOCIATE DEGREE



Harper College's High School Partnership program allows high school juniors and seniors an opportunity to earn college credit, and simultaneously satisfy high school graduation requirements. In this program, students can take college level courses on the Harper campus or in their high school. **The highlighted classes are available for juniors and seniors to take while in high school.** Contact your high school counselor about how to get started as a Dual Credit student.

#### FIRST SEMESTER:

Course Number	Course Title	Credits	Course Category
ENG 130	Business Writing	3	Communications
<b>FAS 100</b>	<b>Industrial Sewing Methods (D211: Fashion Construction Independent Study 2; D214: Fashion Construction; D220: Fashion III)</b>	<b>3</b>	<b>Program Requirement</b>
FAS 101	Flat Pattern Design and Draping I	3	Program Requirement
FAS 107	Textiles I	3	Program Requirement
<b>FAS 112</b>	<b>Fashion Basics (D211: Design Independent Study 2; D214: Fashion Merchandising; D220: Fashion Design and Merchandising)</b>	<b>3</b>	<b>Program Requirement</b>

#### SECOND SEMESTER:

Course Number	Course Title	Credits	Course Category
FAS 102	Flat Pattern Design and Draping II	3	Program Requirement
FAS 104	Apparel Design and Construction	3	Program Requirement
FAS 110	Costume History	3	Program Requirement
FAS 113	Advanced Industrial Sewing Methods	3	Program Requirement
GRA 101	Introduction to Graphic Arts Technology	3	Program Requirement

#### THIRD SEMESTER:

Course Number	Course Title	Credits	Course Category
FAS 201	Flat Pattern Design and Draping III	3	Program Requirement
FAS 230	Fashion Forecasting	3	Program Requirement
	Humanities	3	Humanities
MGT 150	Business Math	3	Mathematics
MGT 154	Entrepreneurship	3	Program Requirement
<b>SPE 101</b>	<b>Fundamentals of Speech Communication (D211: Fundamentals of Speech Communication; D220: Speech 101)</b>	<b>3</b>	<b>Communications</b>

#### FOURTH SEMESTER:

Course Number	Course Title	Credits	Course Category
FAS 208	Computer-Aided Patternmaking	3	Program Requirement
FAS 225	Global Sourcing Apparel/Textiles	3	Program Requirement
FAS 229	Promotion of Fashion	3	Program Requirement
	Humanities	3	Humanities
	Social and Behavioral Science	3	Social and Behavioral Science

+ - This course meets the World Cultures and Diversity graduation requirement.

1 - A competency test, available in the Testing Center, may be utilized to meet the mathematics requirement (MTH 065 or higher). Students in this program who utilize the competency test must complete MKT 106 (Retail Merchandising.)

2 - ART 105 is recommended.

Harper College is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status or sexual orientation. 23817

# DUAL CREDIT

## FASHION DESIGN ASSOCIATE DEGREE



Harper College's High School Partnership program allows high school juniors and seniors an opportunity to earn college credit, and simultaneously satisfy high school graduation requirements. In this program, students can take college level courses on the Harper campus or in their high school. **The highlighted classes are available for juniors and seniors to take while in high school.** Contact your high school counselor about how to get started as a Dual Credit student.

### FIRST SEMESTER:

Course Number	Course Title	Credits	Course Category
<b>FAS 100</b>	<b>Industrial Sewing Methods (D211: Fashion Construction Independent Study 2; D214: Fashion Construction; D220: Fashion III)</b>	<b>3</b>	<b>Program Requirement</b>
FAS 101	Flat Pattern Design and Draping I	3	Program Requirement
FAS 105	Fashion Design Illustration I	3	Program Requirement
FAS 107	Textiles I	3	Program Requirement
<b>FAS 112</b>	<b>Fashion Basics (D211: Design Independent Study 2; D214: Fashion Merchandising; D220: Fashion Design and Merchandising)</b>	<b>3</b>	<b>Program Requirement</b>

### SECOND SEMESTER:

Course Number	Course Title	Credits	Course Category
FAS 102	Flat Pattern Design and Draping II	3	Program Requirement
FAS 104	Apparel Design and Construction	3	Program Requirement
FAS 110	Costume History <sup>+</sup>	3	Program Requirement
FAS 113	Advanced Industrial Sewing Methods	3	Program Requirement
GRA 101	Introduction to Graphic Arts Technology	3	Program Requirement

### SUMMER SESSION:

Course Number	Course Title	Credits	Course Category
<b>ENG 101</b>	<b>Composition (D211: Expository Composition; D220: English 101)</b>	<b>3</b>	<b>Communications</b>
	Mathematics <sup>1</sup>	3	Mathematics

### THIRD SEMESTER:

Course Number	Course Title	Credits	Course Category
ENG 102	Composition	3	Communications
FAS 109	Fashion Arts and Design	3	Program Requirement
FAS 201	Flat Pattern Design and Draping III	3	Program Requirement
	Humanities <sup>2</sup>	3	Humanities
	Social and Behavioral Science	3	Social and Behavioral Science

### FOURTH SEMESTER:

Course Number	Course Title	Credits	Course Category
FAS 204	Senior Collection	4	Program Requirement
FAS 208	Computer-Aided Patternmaking	3	Program Requirement
FAS 210	Fashion Design Illustration II	3	Program Requirement
	Humanities <sup>2</sup>	3	Humanities

+ - This course meets the World Cultures and Diversity graduation requirement.

1 - A competency test, available in the Testing Center, may be utilized to meet the mathematics requirement (MTH 065 or higher). Students in this program who utilize the competency test must complete MKT 106 (Retail Merchandising.)

2 - ART 105 is recommended.

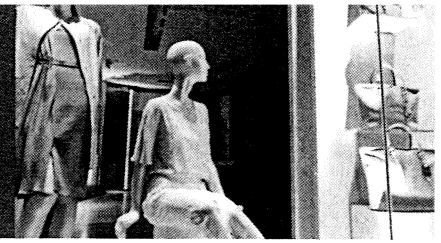
Harper College is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status or sexual orientation. 23817



# DUAL CREDIT

## FASHION MERCHANDISING

### ASSOCIATE DEGREE



Harper College's High School Partnership program allows high school juniors and seniors an opportunity to earn college credit, and simultaneously satisfy high school graduation requirements. In this program, students can take college level courses on the Harper campus or in their high school. **The highlighted classes are available for juniors and seniors to take while in high school.** Contact your high school counselor about how to get started as a Dual Credit student.

#### FIRST SEMESTER:

Course Number	Course Title	Credits	Course Category
<b>ENG 101</b>	<b>Composition (D211: Expository Composition; D220: English 101)</b>	<b>3</b>	<b>Communications</b>
FAS 110	Costume History	3	Program Requirement
<b>FAS 112</b>	<b>Fashion Basics (D211: Design Independent Study 2; D214: Fashion Merchandising; D220: Fashion Design and Merchandising)</b>	<b>3</b>	<b>Program Requirement</b>
GRA 101	Introduction to Graphic Arts Technology	3	Program Requirement
MGT 111	Introduction to Business Organization	3	Program Requirement

#### SECOND SEMESTER:

Course Number	Course Title	Credits	Course Category
ART 105	Introduction to Visual Art	3	Humanities
FAS 107	Textiles I	3	Program Requirement
MGT 150	Business Math	3	Mathematics
MKT 106	Retail Merchandising	3	Program Requirement
PSY 101	Introduction to Psychology	3	Social and Behavioral Science

#### THIRD SEMESTER:

Course Number	Course Title	Credits	Course Category
FAS 212	Visual Fashion Merchandising	3	Program Requirement
FAS 220	Apparel Analysis	3	Program Requirement
FAS 230	Fashion Forecasting	3	Program Requirement
MKT 140	Principles of Professional Selling	3	Program Requirement
<b>SPE 101</b>	<b>Fundamentals of Speech Communication (D211: Speech D220: Speech 101)</b>	<b>3</b>	<b>Communications</b>

#### FOURTH SEMESTER:

Course Number	Course Title	Credits	Course Category
<b>FAS 116</b>	<b>Fashion Industries Career Practicum and Seminar (D214: Fashion Industry Career Practicum and Seminar; D220: Fashion Career Practicum)</b>	<b>3</b>	<b>Program Requirement</b>
FAS 225	Global Sourcing Apparel/Textiles	3	Program Requirement
FAS 229	Promotion of Fashion	3	Program Requirement
MKT 245	Principles of Marketing	3	Program Requirement
	Social and Behavioral Science	3	Social and Behavioral Science

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## FASHION DESIGN

### Apparel Construction Certificate

*This 18 credit-hour certificate program is designed for those students interested in patternmaking and design. The following courses provide entry-level skills in sewing, flat pattern design and draping. Facilities simulate the professional atmosphere of the fashion industry.*

**Required:**

Number	Course Title	Credits
FAS 100	Industrial Sewing Methods .....	3
FAS 101	Flat Pattern Design and Draping I .....	3
FAS 102	Flat Pattern Design and Draping II .....	3
FAS 104	Apparel Design and Construction .....	3
FAS 113	Advanced Industrial Sewing Methods .....	3
FAS 116	Fashion Industries Career Practicum and Seminar .....	3

# HARPER COLLEGE CAREER AND TECHNICAL PROGRAMS

## AAS DEGREES

## CERTIFICATES

### Arts, Communication and Media Careers

- Fashion Design
- Fashion Entrepreneurship
- Fashion Merchandising
- Graphic Arts Technology
  - Graphic Design
  - Package Design
  - Print Graphics
  - Web Design

### Architecture, Design, Construction and Transportation Careers

- Heating Ventilation, Air Conditioning and Refrigeration
- Interior Design
- Maintenance Technology
- Welding Technology

### Business and Management Careers

- Hospitality Management
  - Food Service Operations Management
  - Hotel Operations Management

### Computer Careers

- Computer Information Systems
  - Computer Support
  - Information Systems
  - Network Administration
- Web Development
  - Web Design and Interactive Media
  - Web Development

### Engineering and Technology Careers

- Electronics Engineering Technology
- Manufacturing Technology
  - Mechatronics/Automation
  - Metal Fabrication
  - Precision Machining
  - Supply Chain Management/Logistics
- Supply Chain Management

### Law, Law Enforcement and Public Safety Careers

- Emergency and Disaster Management
- Fire Science Technology
- Forensic Science
- Law Enforcement and Justice Administration
- Paralegal Studies

### Arts, Communication and Media Careers

- Fashion Design
  - Apparel Construction
  - Textiles
- Graphic Arts Technology
  - Fashion Graphic Arts
  - Graphic Arts
  - Graphic Arts Design
  - Graphic Arts Desktop Publishing
  - Graphic Arts Digital Photography
  - Graphic Arts Interactive Technology
  - Graphic Arts Package Design
  - Graphic Arts Variable Data
  - Graphic Arts Web Design

### Architecture, Design, Construction and Transportation Careers

- HVAC
  - Air Conditioning and Refrigeration Service
  - Heating Service
  - Refrigeration Service
  - Residential Comfort Systems
  - Residential Heating, Air Conditioning and Refrigeration

- Interior Design
  - Architectural CAD
  - Interior Design Assistant
  - Kitchen & Bath Specialty
  - Perspective and Rendering

- Maintenance Technology
  - Maintenance Mechanic I
  - Maintenance Mechanic II

- Welding Technology
  - Advanced Welding
  - Basic Pipe Welding
  - Basic Welding
  - Welding Fabrication

### Business and Management Careers

- Hospitality Management
  - Bread and Pastry Arts
  - Culinary Arts
  - Food Service Management
  - Hotel Management

### Computer Careers

- Computer Information Systems
  - Administrative Assistant
  - Computer Support Technician
  - IT Support Technician
  - Network Administration
  - Network Support Technician
  - Office Assistant
  - Software Development

### Web Development

- Web Development
- Web Design and Interactive Media

### Engineering and Technology Careers

- Electronics Engineering Technology
  - Electrical Maintenance
  - Electronics
  - Industrial Electronics Maintenance
  - Mechatronics

### Manufacturing Technology

- Basic Manufacturing
- Computer Numerical Control (CNC) Operator I
- Computer Numerical Control (CNC) Operator II
- Manufacturing Production

### Supply Chain Management

- Inventory Control/ Production Control
- Logistics
- Procurement
- Supply Chain Management

### Law, Law Enforcement and Public Safety Careers

- Emergency & Disaster Management
- Law Enforcement & Justice Administration
  - Forensic Science Technician
  - Private Security
- Paralegal Studies
- Public Safety Dispatcher

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Program listings subject to change. Please check the College website for the most current information.

- Indicates Specialized Study Area