

TECHNICAL DESIGN AND PRODUCT DEVELOPMENT, CERTIFICATE OF ACHIEVEMENT

Banner Code: 1_CT_TDPD
Financial Aid Eligible

The Technical Design & Product Development Certificate of Achievement will provide students with core skills in pattern making, garment construction, fashion history, color theory, industry-specific computer programs, and sustainability. Students will also gain knowledge in directed skills related to production processes, intermediate clothing construction, computer-aided pattern making, and 3D design software. Upon completion students will be prepared for entry level employment in the fields of pattern making, sample-making, technical design, sourcing management, production management, quality control supervising, grading, marker making, costing/spec production, pre-production merchandising in the fashion industry, and related businesses.

Program Outcomes

1. Students will demonstrate a working knowledge of computer pattern making and 3D design software.
2. Students will be able to plan, execute, and evaluate technical packages, with special attention to the skills involved in product development.
3. Students will be able to design & analyze technical design sketches.

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/certificates/#achievementtext>).

Course	Title	Units
Required Courses		
FASH A100	Beginning Clothing Techniques	1.5
FASH A102	Industrial Sewing Techniques ¹	2
FASH A110	Applied Textiles and Design	3
FASH A115	Introduction to the Fashion Industry	3
FASH A120	History of Fashion	1.5
FASH A121	Street Style	1.5
FASH A145	Fashion Reporting and Analysis	2
FASH A150	Flat Pattern Techniques	3
FASH A155	Tech-Packs	2.5
FASH A170	Clothing Design and Selection	3
FASH A175 or ART A110	Applied Color and Design Theory Color and Design: Two-Dimensional	3
FASH A180	Fundamental Principles of Clothing Construction 1	3
FASH A181	Fashion Internship	2
FASH A182	Professional Practices	2
FASH A183	Fundamental Principles of Clothing Construction 2	3
FASH A190	Apparel Industry Sustainability: Environmental, Ethical, & Legal Practices	3

Course	Title	Units
FASH A200	Fashion Internship Lecture	1
FASH A255	Fashion Illustrating Techniques 1	3
FASH A260	Fashion Design/Production Process	3
FASH A263	3D Clothing Design	2
FASH A266	Computerized Pattern System	2
Total Units		50

¹ May be offered only in Summer.

Program Sequence

These sequences at Orange Coast College are curriculum maps for students to finish all requirements for the certificate. There may be advisories, prerequisites, or time requirements that students need to consider before following these maps. **Students are advised to meet with an Orange Coast College Counselor for alternate sequencing.**

Some courses in this program may be offered once per academic year.

Course	Title	Units
Year 1		
Semester 1		
FASH A100	Beginning Clothing Techniques	1.5
FASH A110	Applied Textiles and Design	3
FASH A115	Introduction to the Fashion Industry	3
FASH A120	History of Fashion	1.5
FASH A121	Street Style	1.5
FASH A255	Fashion Illustrating Techniques 1	3
Units		13.5
Semester 2		
FASH A145	Fashion Reporting and Analysis ¹	2
FASH A170	Clothing Design and Selection ²	3
FASH A183	Fundamental Principles of Clothing Construction 2 ¹	3
FASH A150	Flat Pattern Techniques	3
Units		11
Summer		
FASH A102	Industrial Sewing Techniques ³	2
Units		2
Year 2		
Semester 1		
FASH A155	Tech-Packs ⁴	2.5
FASH A180	Fundamental Principles of Clothing Construction 1 ⁴	3
FASH A190	Apparel Industry Sustainability: Environmental, Ethical, & Legal Practices	3
FASH A266	Computerized Pattern System ⁵	2
FASH A175 or ART A110	Applied Color and Design Theory ⁶ or Color and Design: Two-Dimensional	3
Units		13.5
Semester 2		
FASH A181	Fashion Internship	2
FASH A200	Fashion Internship Lecture	1
FASH A182	Professional Practices ¹	2

Course	Title	Units
FASH A260	Fashion Design/Production Process ¹	3
FASH A263	3D Clothing Design ¹	2
Units		10
Total Units		50

¹ Spring term only

² GE Option 1 Area D

³ Offered only in Summer or Fall.

⁴ Fall term only

⁵ ADVISORIES: FASH A150: Flat Pattern Techniques FASH A110: Applied Textiles and Design

⁶ Same as ID A175, GE Option 1 area C1.