

Palomar College Catalog 2009-2010

Cabinet and Furniture Technology (CFT)

Contact the Trade and Industry Department for further information.
(760) 744-1150, ext. 2545
Office: T-1

For transfer information, consult a Palomar College Counselor.

Associate in Arts Degrees -

AA Degree requirements are listed in Section 6 (green pages).

- Cabinetmaking and Furniture Design
- Cabinetmaking and Millwork
- Furniture Making

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Cabinetmaking and Furniture Design
- Cabinetmaking and Millwork
- Furniture Making

PROGRAMS OF STUDY

Cabinetmaking and Furniture Design

Provides the student with the theory and skills needed for employment in the field of cabinetmaking and furniture design.

Program begins with the basic safe use of tools and machines and basic woodworking processes. Specific and practical skills and knowledge of the Cabinetmaking and Furniture making industries are covered with required and elected coursework.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
CFT 100	Fundamentals of Woodworking	2,3,4
CFT 105	Machine Woodworking/Furniture	2,3,4
CFT 110	Machine Tool Joinery I	2,3,4
CFT 111	Machine Tool Joinery II	2,3,4
CFT 153	Studio Furniture Design I	2,3,4
CFT 165	Cabinet/Face Frame Construction	2,3,4
CFT 167	Cabinetmkg/32mm European Construction	2,3,4
CFT 195	Finishing Tech/Touch-Up/Repair	2,3,4
Group One (Select 12 units)		
CFT 149	Hand Joinery I	2,3,4
CFT 151	Veneering Technology I	2,3,4
CFT 155	Classic American Chair Designs	2,3,4
CFT 157	Chair/Seating Prototype Construction	2,3,4
CFT 158	Chair/Seating Production Manufacturing	2,3,4
CFT 161	Tables/Prototype Construction	2,3,4
CFT 162	Tables/Production Manufacturing	2,3,4
Group Two (Select 12 units)		
CFT 120	Advanced Furniture Lab	5-3
CFT 122	Cabinetmaking Construction Lab	5-3
CFT 124	Chair and Table Construction Lab	5-3
CFT 128	Stringed Instruments Lab	5-3
CFT 130	Stringed Instrument Making	2,3,4
CFT 131	Stringed Instruments II	3-5
CFT 141	Making Woodworking Tools	5-3
CFT 142	The Art and Craft of Planemaking	5-3
CFT 143	Decorative Box Making	2,3,4
CFT 144	Production Furniture Making (Toys)	5-1
CFT 145	Advanced Manufacturing Production Techniques	5-1
CFT 148	Marquetry, Inlay and Veneering	2,3,4
CFT 150	Hand Joinery Technology II	3,4
CFT 152	Veneering Technology II	2,3,4
CFT 154	Studio Furniture Design II	2,3,4
CFT 156	Advanced Classic American Chair Design	2,3,4

CFT 163	Plastic Laminate Fabrication Techniques	5,1
CFT 164	Cabinet Installation	5,1
CFT 166	Cabinetmaking/Production & Manufacturing	2,3,4
CFT 168	Cabinetmaking/Architectural Millwork	2,3,4
CFT 169	Cabinetmaking/Computer Cabinet Layout	5,1,2,3
CFT 170	Workbench Design and Production	2,3,4
CFT 171	Furniture for the Wood Shop	2,3,4
CFT 172	Turbo CAD for Cabinets and Furniture	2,3,4
CFT 173	Bamboo Fly Rod Building	2,3,4
CFT 175	Jigs and Fixtures	2,3,4
CFT 176	The Lathe - An Introduction to Woodturning	2,3,4
CFT 180	Wood Bending And Lamination/Wood Tech.	2,3,4
CFT 185	Machine Tool Set Up and Maintenance	2,3,4
CFT 186	Machine Tool/Production Carving	1,2,3,4
CFT 187	Introduction to Carving	1,2,3,4
CFT 188	Intermediate Carving	1,2,3,4
CFT 189	Advanced Carving	1,2,3,4
CFT 190	Specialty and Manufactured Hardware	5,1,2,3
CFT 196	Special Problems in CFT	1,2,3,4,5,6
CFT 197	Cabinet and Furniture Technology Topics	5-4
CFT 198	Advanced Wood Finishing	2,3,4
CFT 295	Directed Study in Woodworking	1,2,3,4,5,6

TOTAL UNITS

40 - 56

Cabinetmaking and Millwork

Provides the student with the theory and skills needed for employment in the field of cabinetmaking and millwork. Program begins with the basic safe use of tools and machines and basic woodworking processes. Specific and practical skills and knowledge of the Cabinetmaking and millwork industries are covered with required and elected coursework.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
CFT 100	Fundamentals of Woodworking	2,3,4
CFT 105	Machine Woodworking/Furniture	2,3,4
CFT 165	Cabinet/Face Frame Construction	2,3,4
CFT 167	Cabinetmkg/32mm European Const	2,3,4
CFT 168	Cabinetmaking/Architectural Millwork	2,3,4
CFT 195	Finishing Tech/Touch-Up/Repair	2,3,4
Group One (Select 12 units)		
CFT 110	Machine Tool Joinery I	2,3,4
CFT 111	Machine Tool Joinery II	2,3,4
CFT 151	Veneering Technology I	2,3,4
CFT 153	Studio Furniture Design I	2,3,4
CFT 166	Cabinetmaking/Production & Manufacturing	2,3,4
CFT 169	Cabinetmaking/Computer Cabinet Layout	5,1,2,3
CFT 185	Machine Tool Set-up and Maintenance	2,3,4
Group Two (Select 12 units)		
CFT 97	Cabinet and Furniture Technology Topics	5-4
CFT 120	Advanced Furniture Lab	5-3
CFT 122	Cabinetmaking Construction Lab	5-3
CFT 124	Chair and Table Construction Lab	5-3
CFT 128	Stringed Instruments Lab	5-3
CFT 130	Stringed Instrument Making	2,3,4
CFT 131	Stringed Instruments II	3,4,5
CFT 142	The Art and Craft of Planemaking	5-3
CFT 143	Decorative Box Making	2,3,4
CFT 144	Production Furniture Making (Toys)	5-1
CFT 145	Advanced Manufacturing Production Techniques	5-1
CFT 148	Marquetry, Inlay and Veneering	2,3,4
CFT 149	Hand Joinery I	2,3,4
CFT 154	Studio Furniture Design II	2,3,4
CFT 155	Classic American Chair Designs	2,3,4
CFT 156	Adv Classic American Chair Design	2,3,4
CFT 157	Chair/Seating Prototype Construction	2,3,4

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CFT 158	Chair/Seating Production Manufacturing	2,3,4	CFT 166	Cabinetmaking/Production & Manufacturing	2,3,4
CFT 161	Tables/Prototype Construction	2,3,4	CFT 167	Cabinetmaking/32mm European Construction	2,3,4
CFT 162	Tables/Production Manufacturing	2,3,4	CFT 168	Cabinetmaking/Architectural Millwork	2,3,4
CFT 163	Plastic Laminate Fabrication Techniques	.5,1	CFT 169	Cabinetmaking/Computer Cabinet Layout	.5,1,2,3
CFT 164	Cabinet Installation	.5,1	CFT 170	Workbench Design and Production	2,3,4
CFT 169	Cabinetmaking/Computer Cabinet Layout	.5,1,2,3	CFT 172	Turbo CAD for Cabinets and Furniture	2,3,4
CFT 170	Workbench Design and Production	2,3,4	CFT 173	Bamboo Fly Rod Building	2,3,4
CFT 172	Turbo CAD for Cabinets and Furniture	2,3,4	CFT 175	Jigs and Fixtures	2,3,4
CFT 173	Bamboo Fly Rod Building	2,3,4	CFT 176	The Lathe - An Introduction to Woodturning	2,3,4
CFT 175	Jigs and Fixtures	2,3,4	CFT 185	Machine Tool Set Up and Maintenance	2,3,4
CFT 176	The Lathe - An Introduction to Woodturning	2,3,4	CFT 186	Machine Tool/Production Carving	1,2,3,4
CFT 180	Wood Bending And Lamination/Wood Tech.	2,3,4	CFT 189	Advanced Carving	1,2,3,4
CFT 186	Machine Tool/Production Carving	1,2,3,4	CFT 190	Specialty and Manufactured Hardware	.5,1,2,3
CFT 187	Introduction to Carving	1,2,3,4	CFT 196	Special Problems in CFT	1,2,3,4,5,6
CFT 188	Intermediate Carving	1,2,3,4	CFT 197	Cabinet and Furniture Technology Topics	.5-4
CFT 189	Advanced Carving	1,2,3,4	CFT 198	Advanced Wood Finishing	2,3,4
CFT 190	Specialty and Manufactured Hardware	.5,1,2,3	CFT 295	Directed Study in Woodworking	1,2,3,4,5,6
CFT 196	Special Problems in CFT	1,2,3,4,5,6			
CFT 197	Cabinet and Furniture Technology Topics	.5-4			
CFT 198	Advanced Wood Finishing	2,3,4			
CFT 295	Directed Study in Woodworking	1,2,3,4,5,6			
TOTAL UNITS			TOTAL UNITS		
36 - 48			30 - 52		

Furniture Making

Provides the student with the theory and skills needed for employment in the field of furniture design and manufacture. Program begins with the basic safe use of tools and machines and basic woodworking processes. Specific and practical skills and knowledge of the Furniture Making industries are covered with required and elected coursework.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units	
CFT 100	Fundamentals of Woodworking	2,3,4
CFT 105	Machine Woodworking/Furniture	2,3,4
CFT 110	Machine Tool Joinery I	2,3,4
CFT 111	Machine Tool Joinery II	2,3,4
CFT 149	Hand Joinery I	2,3,4
CFT 151	Veneering Technology I	2,3,4
CFT 153	Studio Furniture Design I	2,3,4
CFT 157 or CFT 161	Chair/Seating Prototype Construction Tables/Prototype Construction	2,3,4
CFT 195	Finishing Tech/Touch-Up/Repair	2,3,4

Group One (Select 5-6 units)

CFT 155	Classic American Chair Designs	2,3,4
CFT 180	Wood Bending And Lamination/Wood Tech.	2,3,4
CFT 187	Introduction to Carving	1,2,3,4
CFT 188	Intermediate Carving	1,2,3,4

Group Two (Select 5-6 units)

CFT 97	Cabinet and Furniture Technology Topics	.5-4
CFT 120	Advanced Furniture Lab	.5-3
CFT 122	Cabinetmaking Construction Lab	.5-3
CFT 124	Chair and Table Construction Lab	.5-3
CFT 128	Stringed Instruments Lab	.5-3
CFT 130	Stringed Instrument Making	2,3,4
CFT 131	Stringed Instruments II	3,4,5
CFT 141	Making Woodworking Tools	.5-3
CFT 142	The Art and Craft of Planemaking	.5-3
CFT 143	Decorative Box Making	2,3,4
CFT 144	Production Furniture Making (Toys)	.5,1
CFT 145	Advanced Manufacturing Production Techniques	.5-1
CFT 148	Marquetry, Inlay and Veneering	2,3,4
CFT 156	Advanced Classic American Chair Design	2,3,4
CFT 158	Chair/Seating Production Manufacturing	2,3,4
CFT 162	Tables/Production Manufacturing	2,3,4
CFT 165	Cabinet/Face Frame Construction	2,3,4