

Program: Architectural Woodworking/Cabinet Making Technology

Architectural Woodworking/Cabinet Making Technology AAS (114 credits)

Program Description:

Students prepare for careers in cabinet making and millwork crafts, in positions such as wood pattern maker, cabinet maker, door assembler, solid surface fabricator, cabinet and millwork installer, project manager, sander, utility worker, wood pattern maker and machine operator. Shop activities are an integral part of the program and provide training and practical applications in complex joinery, finishing, and installation. Students work with wood and high-tech laminates, perform component design and fabrication, and learn the use of tools and equipment. This is a pre-apprenticeship program for the Seattle/Tacoma Millmen and Cabinet Makers Apprenticeship Committee. This program also provides extended learning opportunities for persons previously or currently employed in these and other related occupations.

For program costs and fees refer to the catalog TUITION AND FEES PAGE.

Program Learning Outcomes:

1. Perform cabinetmaking activities to industry standards
2. Interpret drawings for production planning and estimating
3. Select, maintain, and operate hand tools, portable power tools, and stationary machinery
4. Select various grades of lumber and building materials
5. Perform sanding and adhesive operations to industry standards
6. Select and apply finishes and hardware used in manufacturing of furniture, cabinets and millwork
7. Produce cabinets and other architectural specialties including millwork and moldings to be installed in residential and commercial applications
8. Apply mathematical solutions for cabinetmaking applications

Required Courses:

Quarter 1	ARWC101	Introduction to Cabinetmaking	3
	ARWC102	Safety Principles	4
	ARWC104	Materials	2 (previously listed as 4)
	ARWC105	Machine Tools I	4
	ARWC109	Hand Tools	3
	ARWC111	Tool Maintenance/Sharpening	3
Quarter 2	ARWC103	Cabinetry Blueprints/ Plans	4
	ARWC108	Portable Power Tools	3

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	ARWC110	Basic Cabinet Joinery	4
	ARWC112	Cabinetmaking / Face Frame Construction I	4
	ARWC118	Occupational Math	3
Quarter 3	ARWC106	Machine Tools II	4
	ARWC107	Machine Tools / CNC	3
	ARWC113	Cabinetmaking / Face Frame Construction II	4
	ARWC116	Drawers and Doors	2
	ARWC119	Jigs and Fixtures	2
Quarter 4	ARWC114	Cabinetmaking / 32mm System	3
	ARWC115	Finishing Methods I	3
	ARWC117	Laminates / Countertops /Solid Surface	3
	ARWC120	Cabinetmaking / Commercial Construction	3
	ARWC204	Cabinet Installation - Residential / Commercial	4
Quarter 5	ARWC202	Architectural Millwork	3
	ARWC203	Beginning Furniture Projects	5
	ARWC205	Advanced Joinery	4
	ARWC206	Cabinetmaking Computer Technology	4
Quarter 6	ARWC201	Wood Bending/Lamination Techniques	3
	ARWC208	Employment Preparation	3
	ARWC209	Advanced Projects	5
	ARWC207	Veneering Technology	2
Electives			
	ARWC291	Practical Applications	1-13
	ARWC292	Independent Project I	5
	ARWC293	Independent Project II	5
	ARWC294	Independent Project III INSTR PERM REQ	5
	ARWC296	Work-Based Learning Exp I INSTR PERM REQ	
	ARWC297	Work-Based Learning Exp II INSTR PERM REQ	

General Education Requirements

Communications

5 credits required

ENGL175

ENGL&101 ENGLISH COMPOSITION I

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Humanities/Social Sciences/Natural Sciences/Other 5 credits required

BIOL&160	GENERAL BIOLOGY
BIOL&175	HUMAN BIOLOGY WITH LAB
BIOL&241	ANATOMY & PHYSIOLOGY I
BIOL&242	HUMAN A&P II
BIOL&260	MICROBIOLOGY
CHEM&121	INTRODUCTION CHEMISTRY
CHEM&131	INTRODUCTION TO ORGANIC/BIOCHEMISTRY
CMST&102	INTRO TO MASS MEDIA
CMST&152	INTERCULTURAL COMMUNICATION
CMST&210	INTERPERSONAL COMMUNICATION
CMST&220	PUBLIC SPEAKING
ECON&201	MICROECONOMICS
NUTR&101	INTRO TO NUTRITION
POLS&101	INTRO TO POLITICAL SCIENCE
PSYC&100	GENERAL PSYCHOLOGY
PSYC&200	LIFESPAN PSYCHOLOGY
SOC&101	INTRO TO SOCIOLOGY

Quantitative

5 credits required

MATH172	APPLIED BUSINESS MATH
MATH&141	PRECALCULUS I
MATH&142	PRECALCULUS II
MATH&146	INTRODUCTION TO STATISTICS
MATH&151	CALUCLUS I
MATH&152	CALCULUS II

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

Productions Cabinet Making Certificate of Completion (83 credits) previously listed as 79 credits

Required Courses:

Quarter 1	ARWC101	Introduction to Cabinetmaking	3
	ARWC102	Safety Principles	4
	ARWC104	Materials	2 (Previously listed as 4)

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	ARWC105	Machine Tools I	4
	ARWC109	Hand Tools	3
	ARWC111	Tool Maintenance/Sharpening	3
Quarter 2	ARWC103	Cabinetry Blueprints/ Plans	4
	ARWC108	Portable Power Tools	3
	ARWC110	Basic Cabinet Joinery	4
	ARWC112	Cabinetmaking / Face Frame Construction I	4
	ARWC118	Occupational Math	3
Quarter 3	ARWC106	Machine Tools II	4
	ARWC107	Machine Tools / CNC	3
	ARWC113	Cabinetmaking / Face Frame Construction II	4
	ARWC116	Drawers and Doors	2
	ARWC119	Jigs and Fixtures	2
Quarter 4	ARWC114	Cabinetmaking / 32mm System	3
	ARWC115	Finishing Methods I	3
	ARWC117	Laminates / Countertops /Solid Surface	3
	ARWC120	Cabinetmaking / Commercial Construction	3
	ARWC204	Cabinet Installation	4 (not previously listed)

General Education Requirements

Communications

5 credits required

ENGL90	College Writing (not previously listed)
ENGL91	Integrated Reading and Writing (not previously listed)
ENGL175	Professional Writing (not previously listed)
ENGL&101	English Composition I (not previously listed)

Humanities/Social Sciences/Natural Sciences/Other 5 credits required

BIOL&160	GENERAL BIOLOGY
BIOL&175	HUMAN BIOLOGY WITH LAB
BIOL&241	ANATOMY & PHYSIOLOGY I
BIOL&242	HUMAN A&P II
BIOL&260	MICROBIOLOGY
CHEM&121	INTRODUCTION CHEMISTRY
CHEM&131	INTRODUCTION TO ORGANIC/BIOCHEMISTRY
CMST&102	INTRO TO MASS MEDIA
CMST&152	INTERCULTURAL COMMUNICATION

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CMST&210	INTERPERSONAL COMMUNICATION
CMST&220	PUBLIC SPEAKING
ECON&201	MICROECONOMICS
NUTR&101	INTRO TO NUTRITION
POLS&101	INTRO TO POLITICAL SCIENCE
PSYC&100	GENERAL PSYCHOLOGY
PSYC&200	LIFESPAN PSYCHOLOGY
SOC&101	INTRO TO SOCIOLOGY

Quantitative

5 credits required

MATH86	Pre-Algebra I (not previously listed)
MATH87	Pre-Algebra II (not previously listed)
MATH92	Elementary Algebra (not previously listed)
MATH98	Intermediate Algebra (not previously listed)
MATH172	APPLIED BUSINESS MATH
MATH&141	PRECALCULUS I
MATH&142	PRECALCULUS II
MATH&146	INTRODUCTION TO STATISTICS
MATH&151	CALUCLUS I
MATH&152	CALCULUS II

Note: See a Career Advisor prior to choosing courses that meet general education requirements.