

# CURRICULUM STANDARD

Effective Term  
Fall 2002  
[2002\*03]

Curriculum Program Title

**Furniture Production Technology**

Code

**A5018A**

Concentration

**Design and Product Development**

## *Curriculum Description*

Design and Product Development is a concentration under the curriculum title of Furniture Production Technology. This curriculum prepares the student to perform technical preparations for design and to complete documentation of various furniture constructions.

Course work includes manual and computer-aided (CAD) drafting, woodworking equipment and its capabilities, various construction techniques, design elements, showroom layouts, identifying various design styles, solving design problems for efficient manufacturing, and investigating new materials.

Graduates should qualify for employment opportunities such as product development technician or supervisor, drafter, design drafter, furniture detailer, assistant sample maker, and designer assistant. Students should be able to interpret verbal and written specifications on how to document manufacturing designs.

## *Curriculum Requirements\**

*[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204 (3)]*

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
<b>Total Semester Hours Credit (SHC)</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

*\*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.*

## *Major Hours*

[ref. 23 NCAC 02E.0204 (3)]

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** (*if applicable*). A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

### **Furniture Production Technology/Design and Product Development A5018A**

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b> <i>Courses required for the diploma are designated with *</i>  <b>Required Courses:</b> * FUR 112 Furniture Processes I 4 SHC * FUR 113 Furniture Processes II 3 SHC * FUR 122 Furniture Drafting I 4 SHC * FUR 231 Modeling For Furniture Apps 3 SHC  <b>Required Subject Areas:</b> None	<b>14 SHC</b>	<b>14 SHC</b>	
<b>B. CONCENTRATION</b> <i>Courses unique to the concentration are designated with **</i>  ** DDF 181 Furniture Style and Design II 2 SHC ** DFT 155 Advanced Furniture Drafting I 4 SHC ** DFT 156 Advanced Furniture Drafting II 4 SHC ** DFT 160 Advanced Furniture Drafting III 4 SHC FUR 117 Furniture Product Development I 2 SHC ** FUR 118 Furniture Product Development II 5 SHC UPH 110 Introduction to Upholstery 2 SHC	<b>23 SHC</b>	<b>NR</b>	
<b>C. OTHER MAJOR HOURS</b> <i>To be selected from the following prefixes:</i>  BUS, CIS, COE, COM, CSC, DDF, DES, DFT, ENG, FUR, ISC, MAT, OMT, and UPH  <i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i>			