

Wood Products Manufacturing Technology

Bachelor of Science (A-17G) 130* Credits

The wood products manufacturing technology program prepares students for management positions in wood products manufacturing, particularly for the hardwood cabinet and furniture industries. It features knowledge in wood and wood products and industrial engineering technology. The Department of Forestry and Natural Resources and the School of Technology jointly administer the program.

Freshman Year

<i>First Semester</i>	<i>Second Semester</i>
(1) AGR 101 School of Agriculture Orientation	(4) BTNY 210 Introduction to Plant Science
(4) BIOL 110 Fundamentals of Biology I	(3) CHM 112 General Chemistry II
(3) CHM 111 General Chemistry I	(3) COM 114 Fundamentals of Speech Communication
(4) ENGL 106 English Composition	(3) FNR 103 Intro. to Environmental Conservation
(3) MA 223 Introductory Analysis I (calculus)	(3) MA 224 Introductory Analysis II (calculus)
(15)	(16)

Sophomore Year

<i>Third Semester</i>	<i>Fourth Semester</i>
(2) C&IT 135 Personal Computing Technology & Applications	(3) CGT 110 Technical Graphics Communications
(3) FNR 225 Dendrology	(3) FNR 301 Wood Products and Processing
(3) IT 104 Industrial Organization	(3) IT 114 Problem-solving in Manufacturing
(3) MET 141 Materials I	(4) Physics elective ³
(3) STAT 301 Elementary Statistical Methods	(3) Humanities elective ⁵
(3) Unrestricted Elective	—
(17)	(16)

Junior Year

<i>Fifth Semester</i>	<i>Sixth Semester</i>
(3) ECON 210 Principles of Economics	(3) FNR 311 Wood Structure, Identification and Properties
(3) ENGL 421 Technical Writing	(3) MET 242 Manufacturing Processes II
(3) FNR 418 Properties of Wood Related to Manufacturing	(3) Humanities elective ⁵
(3) IT 342 Introduction to Statistical Quality	(3) Social science or humanities elective ^{5,6}
(3) Mathematics and science elective ⁴	(3) Unrestricted elective
(1) Social science or humanities elective ^{5,6}	(2) Unrestricted elective
(16)	(17)

Senior Year

<i>Seventh Semester</i>	<i>Eighth Semester</i>
(3) FNR 406 Natural Resource & Environmental Economics	(3) FNR 419 Furniture & Cabinet Design & Manufacture
(3) FNR 425 Secondary Wood Products Manufacturing	(3) IT 483 Facility Design for Lean Manufacturing
(3) IT 442 Production Planning	(3) Unrestricted elective
(3) IT 450 Production Cost Analysis	(3) Unrestricted elective
(3) Social science or humanities elective ^{5,6}	(3) Unrestricted elective
(3) Unrestricted elective	—
(18)	(15)

*You must complete nine hours of coursework with an international¹ focus and 3 credits of Multicultural Awareness². These may overlap with elective coursework in the social science or humanities, unrestricted, specialization, or study abroad areas.

¹ **International Understanding electives:** 9 credits of International Understanding electives are required. These credits are not, however, in addition to the total number of hours required, but do restrict the choice among some categories of required courses. For example, a student taking French 101 and 102 could use these courses to cover the requirement for Humanities and the International Understanding.

AGEC 250, 340, 450	ECON 370, 466	HORT 403
AGR 493, 495, 497	ENGL 266, 267	IDIS 381
AGRY 285,350,570	FNR 230, 460, 488	PHIL 330, 331
ANTH 100, 205, 578	HIST 240, 241, 243, 245, 271, 272, 290,	POL 130, 141, 232, 235, 237, 290, 303,
BTNY 201	323, 324, 329, 340, 341, 342, 343, 344,	304, 342, 344, 345, 347, 433, 434, 435,
COM 224, 424	345, 439, 441, 472	442, 445, 447

FLL (Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, or Spanish) 101, 103, 102, 201, 202, 480, 581; GER 223; RUSS 289. (*Note: a minimum of six credits of a foreign language must be earned to be utilized as International Understanding electives.*)

² **Multicultural Awareness Requirement and Courses:**

These credits are not, however, in addition to the total number of hours required, but do restrict the choice among some categories of required courses. This requirement may be met by taking AGR 201 Communicating Across Culture, AGR 496 Multicultural Professional Experience, or one of the following courses:

ANTH 303, 379	COM 376, 381	EDCI 285
ENGL 257, 358, 360	HIST 365, 366, 377, 396, 398	HK 226
IDIS 271, 280, 330, 370, 375, 376, 381	PHIL 225, 242, 330	POL 222, 326, 360, 456
PSY 225, 239, 368	SOC 220, 310, 450	SPAN 235, YDAE 385

³ **Physics electives:** PHYS 220, 221, 241

⁴ **Mathematics and Science electives:**

AGEC 352, 451; AGRY 255, 270, 335, 336, 320, 321; ANSC 221, 230; ATMS 230; BIOL 110, 111, 225, 226, 221, 231, 232, 241, 242, 286, 287; BCHM 307, 309; BTNY 210, 301, 305, 316; CHM 111, 112, 115, 116, 224, 225, 225L, 256, 256L, 261, 262, 263, 264; MA 161, 162, 165, 166, 220, 223, 224, 261; CS 152, 156, 180; HORT 250, 301; EAS 111, 112; ENTM 306, 307; PHYS 152, 214, 220, 221, 241; STAT 301, 305, 501, 501, 502, 511.

⁵ **Humanities electives:**

EDST 200
 ENGL 201, 227, 230, 231, 232, 235, 237, 238, 239, 240, 241, 250, 257, 262, 264, 266, 267, 276, 279,331, 333, 335, 337, 350, 351, 356, 360, 361, 364, 372, 373, 375, 376, 377, 379, 381, 382, 383, 386, 387, 396, 411, 412, 413, 414, 441, 442, 444, 462, 463, 468, 469, 492.
 FLL (Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, or Spanish) 101, 103, 102, 201, 202, 480, 581; GER 223; RUSS 289. (*Note: a minimum of six credits of a foreign language must be earned to be utilized as Humanities electives.*)

Any course in History, Interdisciplinary Studies, Philosophy, and/or Visual and Performing Arts

⁶ **Other Social Sciences electives:**

AGEC 250, 305, 340, 410, 415, 450 (no more than 3 credits allowed in addition to FNR/AGEC 406)
 EDPS 235, 265
 Any course in Anthropology, Political Sciences, Psychological Sciences, and/or Sociology