

First Semester		SOPHOMORE YEAR	Second Semester	
		Credits		
Agr. Bact. 1—General survey	.....	4	Agr. Econ. 1—Prin. of agr. econ. ⁴	..... 3
Soils 1—Soils and soil fertility ¹	.....	4	or Biochemistry 1—Elem. biochem. ¹	..... 4
Econ. 1a—General economics	.....	4	Agricultural option ²	..... 3
Agricultural option ²	.....	3	Electives	..... 4-(8)*
Electives	.....	1-(3)*	Military Science ³	..... 0
Military Science ³	.....	0	Physical Education	..... 0
Physical Education	.....	0		
		16-(18)*		
			14-(18)*	

¹ Only one of the courses, Soils 1 and Biochemistry 1, is required; both may be taken if desired.

² Sophomores in the Long Course are required to take one course of three credits or more in each of two of the following departments: Agricultural Engineering, Dairy Industry, Economic Entomology, Horticulture, Poultry Science, and Veterinary Science. A subject chosen as an option may not be included among the credits counted toward satisfying the major requirements of any of the six departments enumerated above.

³ This is the second year of Military Science for those required to take it the first year. See rule on Military Science and Physical Education Requirement on page 198.

⁴ Landscape Gardening majors may take Agricultural Economics 117 in place of Agricultural Economics 1.

Note: A student who has taken his freshman and sophomore work at the University of Wisconsin, whose grade-point average for these first two years of work is 2.6 or higher, and who is recommended by three of his sophomore instructors, may be permitted by the major division or department of his choice to pursue Advanced Independent Work during the remainder of his course, which will enable him to secure a master's degree at the end of nine semesters. See pages 233-234 for more detailed information.

JUNIOR AND SENIOR YEARS

The student ordinarily will carry from 15 (16)* to 17 (18)* credits per semester during his junior and senior years. At the beginning of his junior year the student, with the help of his adviser, should plan a program, well balanced with respect to elective and required subjects, especially in the major or split major, so that he may easily complete all of the requirements for the degree during the senior year. (See page 199.)

SENIOR-GRADUATE STANDING

Any senior in the College of Agriculture who is within six credits of having completed *all* the requirements for graduation and who has the required grade-point average of 1.5 may be admitted to the Graduate School and earn residence credit to apply toward an advanced degree at the same time he is completing his requirements for his bachelor degree.

OTHER COURSES IN THE COLLEGE OF AGRICULTURE

PRE-FORESTRY

The University of Wisconsin does not offer a course in forestry. However, it does offer, in the College of Agriculture, two years of work in pre-forestry study. Upon the satisfactory completion of the pre-forestry course, a student may transfer to another institution where forestry is given and there complete his work toward a degree in forestry.

The pre-forestry work suggested is similar to the prerequisite training required by most forestry schools. However, it is advisable that the student, in the spring semester of his freshman year, confer with his adviser relative to the forestry institution he should plan to attend after he will have completed his two-year pre-forestry course. This will enable the student and his adviser to plan more thoroughly the student's course of study for his sophomore year at the University of Wisconsin. Practically all institutions that offer degrees in forestry require that training in the summer forestry camp be completed before the beginning of the junior year. The following curriculum for the freshman year is recommended for students intending to take forestry:

* Figures in parentheses () apply to students in agriculture who entered college before September 1, 1939.

FRESHMAN YEAR		Second Semester	
First Semester	Credits		Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Chem. 1a—General chemistry	5	Chem. 1b—Qualitative analysis	5
Agron. 1—Princ. and practices in crop production	3	Botany 1—General botany	5
Math. 1a—Algebra or Math. 3a— Algebra and trigonometry	4	Econ. Ent. 1—Elem. ent. (Farm insects)	3
Freshman Lectures	1	Military Science ²	0
Military Science ¹	0	Physical Education	0
Physical Education	0		
	16		16

¹ See information on Military Science and Physical Education requirement on page 198.

SOPHOMORE YEAR

The subjects chosen during the sophomore year should be those that will conform to the requirements of the institution to which the student hopes to transfer and complete his work in forestry.

The U. S. Forest Products Laboratory, cooperating with the University of Wisconsin, in addition to giving the subjects, 1, General Forestry, and 102, Wood Technology, which are offered as agricultural electives, also gives other courses which deal with the study of wood, its properties and uses. See courses listed on pages 215-216.

PRE-VETERINARY

The University of Wisconsin confers no Doctor of Veterinary Medicine degrees. The leading institutions that do confer such degrees require their students to have had at least one year of general college work to prepare them for the more highly specialized veterinary studies. The present tendency is to require a minimum of two years of pre-veterinary work. It is important for prospective veterinary science students to know that veterinary colleges operate on a restricted enrollment basis. Only the student who ranks high scholastically while taking his pre-veterinary work, may expect to gain admission to a veterinary college.

Normally, a student in a veterinary college is required to take four years of professional study regardless of the number of years of pre-veterinary study he may have had. To enable residents of Wisconsin to get the necessary college work that will qualify them for entrance to a veterinary college, the College of Agriculture offers the following pre-veterinary course:

FRESHMAN YEAR		Second Semester	
First Semester	Credits		Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Chem. 1a—General chemistry	5	Chem. 1b—Qualitative analysis	5
Zoology 1—Animal biology	5	An. or Dy. Husb. 1—Livestock production	3
Electives ¹	0-2	Electives ¹	3-5
Freshman lectures ²	1	Military Science ³	0
Military Science ³	0	Physical Education	0
Physical Education	0		
	14-16		14-16

¹ It is suggested that, when possible, the electives selected be German, French, history, zoology, mathematics, or physics. Students desiring information about veterinary medicine as a profession may elect Veterinary Science 1 in the first semester.

² See information on Freshman Lectures on page 198.

³ See information on Military Science and Physical Education requirement on page 198.

SOPHOMORE YEAR

In addition to courses such as Agricultural Economics 1 or 8, Biochemistry 1, Botany 1, Dairy Husbandry 4, Economics 1a, Genetics 1, Mathematics 1, and Speech 1 or 7, it is recommended that the student select courses which will provide a suitable background for work in the field of veterinary science.

The cost of each year of study will be the same as for any year of study in the Long Course. (See page 196.)

HOME ECONOMICS COURSE

A four-year course in Home Economics leading to the degree of Bachelor of Science (Home Economics) is given at the University under the direction of the College of Agriculture. A bulletin containing detailed information on the course in Home Economics may be obtained by writing to the Director of Home Economics, Home Economics Building, Madison, Wisconsin.

GRADUATE WORK IN AGRICULTURE AND HOME ECONOMICS

Graduate work is offered in each of the nineteen departments in Agriculture and in the Department of Home Economics. Students wanting to take work toward a master's or doctor-of-philosophy degree will enroll in the Graduate School. For further details and information relating to scholarships and fellowships, procure Graduate School bulletin from the Dean of the Graduate School, Bascom Hall, Madison, Wisconsin.

THE FARM SHORT COURSE

The Farm Short Course is designed for young men between the ages of 19 and 26 years, who expect to farm. Covering two winter periods of 15 weeks each, the course, which is held from the middle of November to the middle of March, provides training in both the natural and social sciences as they relate to the problems of Wisconsin farmers. The satisfactory completion of the work offered in the Farm Short Course entitles one to a certificate awarded by the University of Wisconsin. Further information, including a bulletin, may be obtained by writing to the Director of the Farm Short Course, College of Agriculture, Madison, Wisconsin.

THE WINTER DAIRY COURSE

To train men in the dairy industry to understand the more modern manufacturing methods, the College of Agriculture provides the twelve-weeks Winter Dairy Course, beginning early in October. No entrance examination is required. However, anyone who attends must be at least 16 years of age, must have had an eighth-grade education, and must have had at least six months of practical experience in a creamery, cheese factory, or other dairy manufacturing plant. High-school graduates may be admitted without having had practical experience. A bulletin containing detailed information on the Winter Dairy Course, the Summer Dairy Course, the Swiss-Cheese Makers Course, and the Special Dairy Manufacturers Conference may be obtained by writing to the Chairman of the Department of Dairy Industry, College of Agriculture, Madison, Wisconsin.

SHORT SERVICE COURSES

In addition to the courses mentioned heretofore, the College of Agriculture sponsors a number of short service courses which vary from one day to two weeks in length. All of these courses have been held on the campus in the past but some of them are now given throughout the State on an extension basis. The courses are as follows:

Agricultural and Home Economics
 Teachers' Summer Conference
 Animal Breeders' School
 Cannery Short Course
 Cold Storage Locker Operators' Conference
 Cooperative Management School
 County Agents' and Home Demonstration Agents' Conference
 Farm and Home Week
 Farmers' Field Days
 Federal Land Bank Fieldmen's School

Four-H Club Week
 Garden Club Short Course
 Greens-keepers' Short Course
 State Judging Contests
 State Junior Conservation Camp
 Town-Country Leadership Summer School
 Wisconsin Fertilizer Conference
 Wisconsin Junior Livestock Exposition
 Wisconsin Rural Life Conference

Although it is not definitely established that all of the above-mentioned courses will be offered again, it is likely that they will be given, though not necessarily on an annual basis. Persons interested in detailed information concerning any of the above courses should write to the Assistant Dean, College of Agriculture, Madison, Wisconsin.