

Universidad de Puerto Rico  
Recinto Universitario de Mayagüez  
**SENADO ACADEMICO**  
Mayagüez, Puerto Rico

CERTIFICACION NUMERO 90-44

El que suscribe, Secretario del Senado Académico del Recinto Universitario de Mayagüez de la Universidad de Puerto Rico, CERTIFICA que en reunión ordinaria celebrada el día 18 de diciembre de 1990, este organismo **APROBO** la Propuesta de Revisión del Currículo del Programa de Bachillerato en Ciencias Agrícolas en el Programa de Tecnología Mecánico-Agrícola, el cual se acompaña y se hace formar parte de este documento.

Y para que así conste, expido y remito la presente certificación a las autoridades universitarias correspondientes, bajo el Sello de la Universidad de Puerto Rico, a los diecinueve días del mes de diciembre del año de mil novecientos noventa, en Mayagüez, Puerto Rico.

  
Francis Santiago del Río  
Secretario



University of Puerto Rico  
College of Agricultural Sciences  
Mayaguez, Puerto Rico

Department of Agricultural Engineering

MECHANICAL TECHNOLOGY IN AGRICULTURE CURRICULUM

FIRST YEAR

First Semester

Number	Course	Credits
*INGL 3101	..... Basic Course in English .....	3
*ESPA 3101	..... Basic Course in Spanish .....	3
*MATE 3171	..... Introductory Mathematics .....	3
QUIM 3001	..... General Chemistry .....	4
BIOL 3435	..... Elementary Botany .....	4
EDAG 3005	..... Agricultural Orientation .....	<u>1</u>
		18

Second Semester

*INGL 3102	..... Basic Course in English .....	3
*ESPA 3102	..... Basic Course in Spanish .....	3
*MATE 3172	..... Introductory Mathematics .....	3
QUIM 3002	..... General Chemistry .....	4
BIOL 4015	..... General Zoology .....	3
EDFI ----	..... Physical Education Elective .....	<u>1</u>
		17

SECOND YEAR

First Semester

Number	Course	Credits
INGL 3201	..... English Composition and Reading ...	3
ECON 3021	..... Principles of Economics I .....	3
MATE 3049	..... Mathematical Analysis for Management Sciences .....	3
INGE 3011	..... Engineering Graphics .....	2
CFIT 3005	..... Fundamentals of Crop Production ...	4
ELECTIVES	..... **Elective .....	<u>3</u>
		18

Second Semester

INGL 3202	..... English Composition and Reading ...	3
MATE 3057	..... Computer Fundamentals .....	3
FISI 3091	..... Elements of Physics .....	3
FISI 3092	..... Elements of Physics Laboratory ....	1
INPE 3005	..... Fundamentals of Animal Science ....	4
AGRO 3005	..... General Soils .....	<u>3</u>
		17

THIRD YEAR

First Semester

Number	Course	Credit
ECAG 4019 .....	Introduction to Farm Business Administration .....	3
TMAG 4009 .....	Agricultural Power .....	3
CISO .....	***Elective Course in Social Sciences ..	3
CFIT 4005 .....	Principles of Plant Production .....	3
INCI 4005 .....	Agricultural Surveying .....	3
ECAG 4007 .....	Marketing of Agricultural Products ....	<u>3</u>
		18

Second Semester

TMAG 4015 .....	Agricultural Machinery .....	3
TMAG 4005 .....	Farm Electrification .....	3
CISO .....	***Elective Course in Social Sciences ...	3
TMAG 4028 .....	Farm Service Buildings .....	3
ELECTIVES .....	**Electives .....	<u>6</u>
		18

SUMMER SESSION

TMAG 4008 .....	Summer Field Practice .....	3 .
-----------------	-----------------------------	-----

FOURTH YEAR

First Semester

Number	Course	Credit
TMAG 4029 .....	Agricultural Products Processing .....	3
TMAG 4035 .....	Soil and Water Management .....	4
TMAG 4036 .....	Seminar in Mechanized Agriculture ....	1
HUMA .....	***Elective Course in Humanities .....	3
EDFI ---- .....	Physical Education Elective .....	1
ELECTIVES .....	**Electives .....	<u>6</u>
		18

Second Semester

ECAG 4028 .....	Agricultural Finance .....	3
TMAG 4037 .....	Seminar in Mechanized Agriculture ....	1
HUMA .....	***Elective Course in Humanities .....	3
ELECTIVES .....	**Electives .....	<u>9</u>
		16

Total credits required for this program: 143

- \* Those students who have obtained a high score in English, Spanish or Mathematics as demonstrated by the examination offered by the College Entrance Examination Board or in advanced level examinations of the College Level Examination Program (CLEP) will be exempted from taking the required courses: INGL 3101-3102, ESPA 3101-3102 or MATE 3171-3172.
- \*\* The Program in Mechanical Technology in Agriculture requires a minimum of 24 credits in elective courses. In these 24 credits are included twelve credits in Professional electives selected from the offerings of the Department of Agricultural Engineering and related areas and with the authorization of the chairperson of the Agricultural Engineering Department. The other twelve credits are free electives.
- \*\*\* The electives in Social Sciences and Humanities require authorization of the Director of the Agricultural Engineering Department.