

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

CERTIFICACION NUMERO 90-35

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 23 de octubre de 1990 este organismo **APROBO** la petición de la Facultad de Ingeniería para enmendar los requisitos del programa de estudios conducentes al **Bachillerato en Ciencias en Ingeniería de Computadoras**. Se incluye copia del Informe del Comité de Asuntos Académicos.

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 veinticuatro días del mes de octubre del año de mil novecientos noventa, en Mayagüez, Puerto Rico.


Francis Santiago del Río
Secretario



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

I N F O R M E

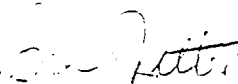
A : Senadores Académicos
DE : Comité de Asuntos Académicos
ASUNTO : Addenda al informe del 28 de agosto de 1990
relacionado con la petición de la Facultad de
Ingeniería para enmendar los requisitos del programa
de estudios conducentes al Bachillerato en Ciencias
en Ingeniería de Computadoras.

Los cursos que se utilizarán para determinar el índice de
especialidad para propósitos de graduación son los siguientes:

ICOM 4009	Software Engineering	3
ICOM 4015	Advanced Programming	3
ICOM 4035	Data Structures	3
ICOM 4036	Programming Languages for Engineers	3
ICOM 5007	Operating Systems	4
INEL 3105	Electrical Systems Analysis I	3
INEL 4102	Electrical Systems Analysis II	3
INEL 4115	Electrical Measurements Lab	1
INEL 4201	Electronics I	3
INEL 4205	Logic Circuits	3
INEL 4206	Microprocessors	3
INEL 4207	Digital Electronics	3
INEL 4211	Electronics Lab I	1
INEL 4215	Computer Architecture and Organization	3
INEL 4217	Microprocessor Interfacing	3
INEL 4225	Digital Electronics Lab	1
INEL 4301	Communications Theory I	3
INEL 4307	Communication Between Computers	3
ICOM/INEL	Technical Electives	<u>9</u>
	Total	<u>58</u>

Cordialmente,

COMITE DE ASUNTOS ACADEMICOS


Ina Jetter
Presidente

25 de septiembre de 1990

COMPUTER ENGINEERING CURRICULUM

FIRST YEAR

FIRST SEMESTER

MATE 3005	Pre-Calculus	5
QUIM 3001	General Chemistry	4
INGL 3101	Basic Course in English	3
ESPA 3101	Basic Course in Spanish	3
INGE 3011	Engineering Graphics I	2
EDFI ----	Physical Education Elective	1
		<hr/> 18

SECOND SEMESTER

MATE 3031	Calculus I	4
QUIM 3002	General Chemistry	4
INGL 3102	Basic Course in English	3
ESPA 3102	Basic Course in Spanish	3
ECON 3021	Principles of Economics I	3
EDFI ----	Physical Education Elective	1
		<hr/> 18

SECOND YEAR

FIRST SEMESTER

MATE 3032	Calculus II	4
FISI 3171	Physics I	4
FISI 3173	Physics Laboratory I	1
INGE 3016	Algorithms and Computer Programming	3
INGE 3035	Engineering Mechanics	3
ENGL 3201	English Comp. and Reading I	3
		<hr/> 18

SECOND SEMESTER

MATE 3063	Calculus III	3
FISI 3172	Physics II	4
FISI 3174	Physics Laboratory II	1
INGE 4001	Engineering Materials	3
INGL 3202	English Comp. and Reading II	3
INEL 3105	Electrical Systems Analysis I	3
		<hr/> 17

THIRD YEAR

FIRST SEMESTER

ICOM 4015	Advanced Programming	3
INEL 4102	Electrical Systems Analysis II	3
INEL 4115	Electrical Measurements Lab.	1
INEL 4201	Electronics I	3
INEL 4205	Logic Circuits	3
MATE 4009	Elementary Differential Eqs.	3
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		16

SECOND SEMESTER

ICOM 4035	Data Structures	3
INEL 4206	Microprocessors	3
INEL 4207	Digital Electronics	3
INEL 4211	Electronics Lab. I	1
ININ 4011	Probability Theory for Engineers	3
INME 4045	General Thermodynamics for Engineers	3
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		16

FOURTH YEAR

FIRST SEMESTER

ICOM 4036	Programming Languages for Engineers	3
INEL 4217	Microprocessor Interfacing	3
INEL 4225	Digital Electronics Lab.	1
INEL 4301	Communications Theory I	3
MATE 4061	Numerical Analysis	3
	* Socio-Humanistic Elective	3
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		16

SECOND SEMESTER

ICOM 5007	Operating Systems	4
INEL 4215	Computer Architecture and Organization	3
INEL 4307	Communication Between Computers	3
	* Socio-Humanistic Elective	3
	Elective	3
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		16

FIFTH YEAR

FIRST SEMESTER

ININ 4015	Engineering Economic Analysis	3
ICOM 4009	Software Engineering	3
ICOM/INEL	Technical Elective	3
	* Socio-Humanistic Electives	6
	Elective	3
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		18

SECOND SEMESTER

ICOM/INEL	Technical Electives	6
	* Socio-Humanistic Elective	3
	Electives	6
		<hr/>
		15

TOTAL CREDITS REQUIRED FOR THIS PROGRAM: 168

* The fifteen (15) credit hours of Socio-Humanistic electives will be selected by the student, with the advisor's approval, from a list of recommended courses.

12-JULY-90