

POSTGRADUATE SCHOLARSHIP PROGRAM, RESEARCH AND IMPROVEMENT COURSES IN THE SPANISH LANGUAGE FOR CHINESE CITIZENS



**Universidad Tecnológica Nacional (UTN)
Facultad Regional Resistencia
Chaco, Argentina**





Academic and Research offers

1

Research Projects

Student can choose the research project -
9 month
April - December
Language: ENGLISH

2

Postgraduate studies: Specializations -Masters

Student can choose the Specialization
-Master
2 years
Language: Spanish



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Research Projects



Centro de Investigación Aplicada en Tecnologías
de la Información y la Comunicación

Study Field	Project Name	Project Manager
INFORMATION AND COMPUTING SYSTEMS	Design of Intelligent IoT Models Applied to Health and the Environment	Dr. Sergio Gramajo
	Methods, Techniques and Tools to improve and evaluate the delivery capacity in Agile Software Process	Dr. César Acuña
	Data Governance in Public Administration of the NEA Region: Analysis, Adaptation, and Implementation of Data Governance and Quality Models in Public Administrations of the NEA Region	Dra. Verónica Bollati
	Security in IoT Environments using Next-Generation Networks, Machine Learning Algorithms, and Cybersecurity Controls	Mg. Diego Bolatti
	Methods, Techniques and Tools to improve and evaluate the Quality of Requirements in Agile Software Projects	Dra. Noelia Pinto
PROCESS ENGINEERING, BIOTECHNOLOGY, FOOD TECHNOLOGY	Morphological Modeling, Recognition, and Classification of Post-Harvest Rice Grains through Digital Image Processing Using Open-Source Software and Low-Cost Hardware	Lic. Mario Cleva



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Research Projects



Grupo UTN de investigación
en Química Teórica y Experimental

Study Field	Project Name	Project Manager
PROCESS ENGINEERING,	Development of a Heating Method for Chaco Honey, with low impact on their physicochemical properties	Mg. Mercedes Lataza Rovaletti
BIOTECHNOLOGY, FOOD TECHNOLOGY	Development of products derived from the processing of sorghum with high tannin content	Dra. Elisa Benítez
	Development of hygienic quality indicators in craft beer manufacturing plants	Dra. Elisa Benítez
SIGNAL ANALYSIS, MODELING AND SIMULATION	Physicochemistry of non-covalent interactions in emerging materials	Dr. Nicolai Petelski
	Molecular Analysis of Carbohydrate Mixtures for the Preparation of Biosolvents	Dr. Nicolai Petelski



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Research Projects



BIOTEC
GRUPO DE INVESTIGACIÓN EN
BIOTECNOLOGÍA Y ALIMENTOS

Study Field	Project Name	Project Manager
PROCESS ENGINEERING, BIOTECHNOLOGY, FOOD TECHNOLOGY	Use of regional raw materials for the development of active and biodegradable edible packaging	Dra. Carola Sosa
	Food bioingredients from IPOMOE Sweet Potatoes: Obtaining, Characterization and Application in the Preparation of Technofunctional Foods	Dra. Carola Sosa

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Research Projects



Study Field	Project Name	Project Manager
PROCESS ENGINEERING, BIOTECHNOLOGY, FOOD TECHNOLOGY	Production of microcapsules from polymers from agro-forestry-industrial production of the NEA	Bioq. Gustavo Velasco
	Microalgal biomass biorefinery: Obtaining dyes and bioplastics from native microalgae produced in the treatment of local effluents	Dra. Ester Chamorro
	Development of biobased products, from structural carbohydrates of lignocellulosic waste, within the framework of a biorefinery	Dra. Paola Dagnino
	Evaluation of the scaling up of a pyrolysis reactor to obtain bio-oil and bio-char from waste from the region's forest industries	Dra. Silvana Tourn



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Research Projects



Study Field	Project Name	Project Manager
ENVIRONMENT, CONTINGENCIES AND SUSTAINABLE DEVELOPMENT	Biodegradation of herbicides at the microcosm level mediated by native microorganisms of rice crops soils	Mg. Alejandro Farías
	Use of different low cost materials for the adsorption of metals and other substances chemicals present in natural sources of water for consumption.	Ing. Daniela Tenev
	Estimate water quality indicators in the middle basin of the paraná river for the development of an algorithm using satellite remote sensing techniques.	Mg. Enid Utgés
	Evaluation of chemical and microbiological methods for the treatment of contaminating liquid waste generated in health centers	Mg. Alejandro Farías



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Research Projects



GRUPO INVESTIGACIÓN
EDUCATIVA SOBRE INGENIERÍA

Study Field	Project Name	Project Manager
EDUCATIONAL TECHNOLOGY AND ENGINEERING TEACHING	Functional and structural models explanatory of the relationships between psychoeducational variables and mathematical performance in engineering students	Dr. Humberto Closas
	Evaluation of social, political and attitudinal competencies in Engineering careers at the National Technological University: Methodology and instruments.	Dr. José Stella
	Rethink teaching practice from the Flipped Classroom model in engineering education.	Mg. María del Carmen Maurel
	Implementation of Agile Practices in the Teaching Process to improve Transversal Competencies in Engineering Careers	Ing. Valeria Sandobal Verón



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Research Projects



Study of electrical transmission line systems using computational and experimental modeling



Predicting the intention and action of motorists before entering a roundabout using intelligent sensors



Drying of vegetables and processed healthy physiological food products using a solar dryer



Development of metallic foams with spherical aluminum and copper particles, using alternative foaming agents



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a. Especialidad y
Maestría en Ing.
Calidad

Postgraduate studies: Specializations -Masters - 2 years

EJES	CURSOS	Horas		
		Teóricas	Prácticas	Totales
EJE I: Organización de los Procesos	Gestión de los procesos de una organización	22	8	30
	Calidad de los Servicios de una Organización	22	8	30
	Liderazgo Estratégico de las Organizaciones	22	8	30
	Sistema de Gestión Integrada	45	15	60
EJE II: Control de los Procesos	Control Estadístico de la Calidad	38	12	50
	Confiabilidad	22	8	30
	Planificación de la Calidad en los Procesos	22	8	30
	Auditorias	22	8	30
EJE III: Mejora de los procesos	Herramientas Aplicadas en la mejora de los Procesos Organizacionales	22	8	30
	Diseño de experimentos	22	8	30
	Gerenciamiento de las Restricciones y Análisis de Costos	22	8	30
	Calidad de las mediciones	22	8	30
SEMINARIO INTEGRADOR		15	15	30
TOTAL		318	122	440



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Postgraduate studies: Specializations -Masters - 2 years

b. Especialidad Higiene y Seg. en el Trabajo

Módulos	Carga horaria
I. Administración del Sistema de Prevención de Riesgos	28
II. Organización y Gestión de un Servicio de Prevención	28
III. Teoría de la Prevención	24
IV. Higiene y Seguridad en el Trabajo y Prevención Medio ambiental	56
V. Medicina Laboral	36
VI. Riesgos Químicos y Biológicos en las Empresas	36
VII. Riesgos Físicos en las Empresas	76
VIII. Riesgos Específicos I	84
IX. Riesgos Específicos II	60
X. Ergonomía y Condiciones de Trabajo	44
XI. Seminario de Integración	52

Total Carrera de Especialización	524
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Contact us

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