



Whatever your past,
make your future
EXTRAORDINARY

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comes from this
Extraordinary place

HOT LINE
16504

 www.rst.edu.eg admission@rst.edu.eg info@rst.edu.eg

 Elsadat City Elmehwer Elmarkazy - 2 Cairo Alexandria Desert RD K92



FACULTY OF ENGINEERING

Vision

The Faculty of Engineering at Al Ryada University for Science and Technology (RST) aims to be a leading center in engineering education and scientific research, with a sustainable positive impact on national development and the economy.

Mission

The faculty of Engineering at Al Ryada University for Science and Technology (RST) is committed to providing distinguished educational and research services, graduating professional engineering cadres and qualified researchers, committed to professional ethics and societal values. They contribute to the development of society and the surrounding environment by providing innovative solutions to societal and industrial problems.

Why Studying in the Faculty of Engineering at Al Ryada University?



Students choose the Faculty of Engineering at Al Ryada University for Science and Technology (RST) for numerous compelling reasons:

- **Innovative Programs:** Our cutting-edge programs are designed to meet the demands of the modern engineering landscape, ensuring that students are well-prepared for future careers in high-tech industries.
- **Expert Faculty:** Learn from experienced professors and industry experts who bring real-world knowledge and innovative research
- **State-of-the-Art Facilities:** Gain hands-on experience in our advanced laboratories and workshops, equipped with the latest technology and tools
- **Interdisciplinary Learning:** Engage in interdisciplinary coursework that integrates various fields of engineering, promoting a well-rounded and comprehensive education.
- **Career Support:** Receive dedicated support from our career services team, including job placement assistance, resume workshops, and networking events with industry professionals.
- **Sustainability Focus:** Join a faculty committed to sustainability and making a positive impact on the environment through innovative engineering solutions.
- **Community and Collaboration:** Be part of a vibrant and collaborative community that encourages teamwork, creativity, and lifelong learning.



Faculty of Engineering

BSc Degrees

The Faculty of Engineering at Al Ryada University for Science and Technology (RST) grants the bachelor's degree in engineering under the credit hour system in one of the following specializations:

- 1** Automation and Robotics Engineering
- 2** Automotive Mechatronics Engineering
- 3** Renewable and Sustainable Energy Engineering



Discover our
specialized programs

Automation and Robotics Engineering Program

OVERVIEW

The Automation and Robotics Engineering program is designed to prepare students for careers in the burgeoning field of robotics and automation. This program focuses on the design, development, and implementation of robotic systems and automated processes.

KEY FEATURES

- Comprehensive Curriculum:** Courses covering robotics, control systems, AI, machine learning, and industrial automation.
- State-of-the-Art Labs:** Access to advanced robotics labs equipped with the latest technologies and tools.
- Capstone Projects:** Hands-on projects that challenge students to develop innovative robotic solutions.

CARRIER OPPERTUNITIES

Graduates from the Automation and Robotics Engineering program have a wide range of career opportunities across various industries. Here are some potential career paths, but not limited to:



- **Industrial Automation Engineer:** Design, develop, and implement automated systems in manufacturing and production facilities.
- **Robotics Engineer:** Develop and maintain robots for various applications, including industrial, medical, and service robots.
- **Control Systems Engineer:** Design and implement control systems for machinery and processes in industries such as manufacturing, automotive, and aerospace.
- **Automation Consultant:** Provide expertise and consultancy services to companies looking to automate their processes and improve efficiency.
- **Research and Development Engineer:** Work in R&D departments of companies or research institutions to develop new automation technologies and robotic systems.
- **Systems Integrator:** Work on integrating various subsystems into a cohesive automated system for industrial applications.
- **Software Developer:** Develop software for controlling and managing automated systems and robots.
- **Quality Control Engineer:** Ensure the quality and reliability of automated systems and robots in manufacturing processes



Automotive Mechatronics Engineering Program

Discover our specialized programs

OVERVIEW

The automotive Mechatronics program bridges the gap between mechanical engineering and electronics, focusing on the integration of electronic systems in automotive design and manufacturing

KEY FEATURES

- **Interdisciplinary Approach:** Combines mechanical engineering, electronics, computer science, and control engineering.
- **Advanced Coursework:** Topics include vehicle dynamics, embedded systems, electric vehicles, and automotive electronics.
- **Hands-On Experience:** Access to automotive labs and workshops for practical learning and prototyping.

CARRIER OPPORTUNITIES


Graduates from the Automotive Mechatronics Engineering program in Egypt have a variety of career opportunities in different sectors. Here are some potential career paths, but not limited to:



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specialized programs

Automotive Mechatronics Engineering Program

- **Mechatronics Engineer:** Work on the development and maintenance of smart technologies in vehicles, including advanced driver assistance systems (ADAS), infotainment systems, and other integrated electronic systems.
- **Vehicle Dynamics Engineer:** Focus on the behavior of vehicles in motion, optimizing aspects such as handling, stability, and ride comfort.
- **Manufacturing Engineer:** Oversee the production process of automotive components and vehicles, ensuring quality control and efficient manufacturing practices.
- **Product Development Engineer:** Work on creating new automotive products, from concept to production, including prototyping, testing, and refinement.
- **Field Service Engineer:** Provide technical support and maintenance services for automotive systems and components, working directly with customers and dealerships.



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specialized programs

Renewable and Sustainable Energy Engineering program

OVERVIEW

The Renewable and Sustainable Energy program focuses on the development and implementation of sustainable energy solutions, preparing students to tackle the global energy challenges of the future.

KEY FEATURES

- Holistic Curriculum:** Courses on solar, wind, and hydro energy, energy storage systems, and energy policy and management.
- Cutting-Edge Research:** Opportunities to engage in groundbreaking research on renewable energy technologies and sustainability practices.
- Global Perspective:** Understanding of international energy markets and sustainability practices.

CARRIER OPPERTUNITIES

Graduates from the Renewable and Sustainable Energy Engineering program have a range of career opportunities in sectors focusing on sustainable energy solutions. Here are some potential career paths, but not limited:



Renewable and Sustainable Energy Engineering Program

- **Field Service Engineer:** Provide technical support and maintenance services for automotive systems and components, working directly with customers and dealerships.
- **Renewable Energy Engineer:** Design, develop, and implement renewable energy systems such as solar photovoltaic (PV), wind turbines, and biomass systems.
- **Energy Efficiency Consultant:** Provide expertise and consultancy services to industries, buildings, and communities aiming to improve energy efficiency and reduce energy consumption.
- **Sustainability Specialist:** Work on sustainable development projects, focusing on integrating renewable energy solutions into urban planning and infrastructure.
- **Project Engineer:** Manage renewable energy projects from conception to completion, ensuring adherence to technical specifications, budgets, and timelines.
- **Policy Analyst:** Analyze energy policies and regulations, advocating for renewable energy integration and supporting governmental and non-governmental organizations in shaping energy policies.
- **Research and Development Engineer:** Engage in research to develop new technologies and improve existing renewable energy systems, contributing to innovations in the field.
- **Entrepreneur:** Start your own business in renewable energy, offering products or services related to solar energy, wind power, energy storage solutions, or energy efficiency.



How to apply?

- Read the admissions section in the website **www.rst.edu.eg** This can also be downloaded at **www.rst.edu.eg**
- Submit an application online at **www.rst.edu.eg**
- Call the RST Hotline and speak to a member of staff in the Student Affairs Department in you require further information- **16504**

When to apply?

- Admission is currently open.
- Applicants are encouraged to apply early in order to secure a place in their chosen program of study.
- Once programs are full the applicants will be placed on a waiting list.
For more details, visit the faculty website: **www.rst.edu.eg**

What's next?

Virtual Visit

Can't get to Al Rayad in person? Our Virtual Visit allows you to virtually explore the University. View a range of videos, °360 photos and image galleries to find out what it is like to live and **study here:** **virtualvisits.rst.edu.eg/undergraduate**

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Chat online

Wherever you are, we give you the chance to chat to us about anything related to your admission. You will be able to ask about **different subjects**:

-----/student-chat

Contact us

Our prospective students' Enquiry Team can advise you about admission to specific degrees or help if you have general enquiries about applying to the University:

futurestudents@rst.edu.eg

AL RYADA UNIVERSITY


FOR SIENCE AND TECHNOLOGY

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