

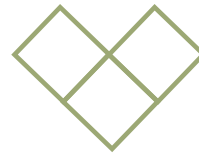


Digital Technology

| Cybersecurity | | Smart Cities, Systems and Technologies | |
|--------------------------------------|--------------------------------|---|----------------------|
| Digital Government Services Security | | Digital Integration and City Management Systems | |
| Digital Infrastructure Protection | Advanced Security Technologies | Digital Sustainability and Environment | Smart Urban Services |

| Robotics and Automation | | Advanced Computing and Communications | |
|---|---|---------------------------------------|--------------------------|
| Advanced Service Robots in the Country's Strategic Priority Sectors | | Smart and Integrated Communication | |
| Smart and Autonomous Robots | Robots in the Industrial and Manufacturing Sector | IoT and Integrated Systems | Cloud and Edge Computing |

| Artificial Intelligence and Computer Science | |
|---|------------------------------------|
| Computer Vision and Deep Learning | AI Ethics and Responsible AI |
| Artificial Intelligence Systems and Advanced Data Analytics | Arabic Natural Language Processing |



Health

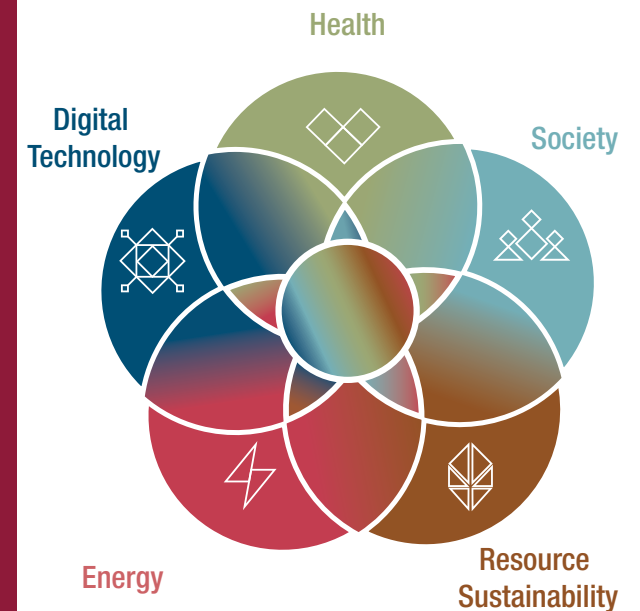
| Regenerative Medicine and Stem Cell Research | | Digital Health and Telemedicine | |
|--|--------------------|---------------------------------------|-----------------------|
| Regenerative Medicine Applications | | Development of Digital Health Systems | |
| Stem Cell Research | Tissue Engineering | Telemedicine Applications | Virtual Care Services |

| Artificial Intelligence in Healthcare | | Precision and Personalized Medicine and Genomics | |
|---------------------------------------|-----------------------|--|---|
| Health Care Management and Economics | | Drug Discovery and Development, Clinical Avaluation and Pharmacogenomics | |
| Medical Diagnosis | Advanced Patient Care | Genomics and Gene Editing | Genome Editing Technologies and Medical Diagnostics |

| Public Health Systems and Epidemiology | | Immunology and Vaccines | |
|--|-----------------------------------|------------------------------------|-------------------------------|
| Chronic Disease Management and Mental Health | | Vaccine Development and Evaluation | |
| Health Policy and Planning | Public Health Systems Development | Vaccination Policies and Programs | Immunity and Chronic Diseases |



Qatar University's Research Priorities (2025–2030)





Resource Sustainability

| Water and Food Security | | Environmental Protection and Biodiversity | |
|--|--|--|--|
| Developing Food Supply Chains and Strengthening Storage Systems | | Species Protection, Biodiversity, and Ecosystem Services | |
| Water and Food Security Monitoring and Evaluation Systems | Sustainable Water Resource Management and Water Desalination | Protection and Management of Protected Areas | Ecosystem Adaptation to Climate Change |
| Circular Economy | | Climate Adaptation and Sustainable Infrastructure | |
| Waste Conversion Technologies and Waste-to-Value Solutions | | Smart Digital Infrastructure and Resilient Urban Infrastructure | |
| Development of Circular Economy Systems | Recycling Innovations and Behavioral Change | Sustainable Transport Infrastructure | Climate Risks to Infrastructure |
| Sustainable Materials and Construction | | Agricultural Technologies for Food and Other Applications | |
| Smart Building Technologies and Energy Management Systems in Buildings | | Innovative and Sustainable Agricultural Systems and Technologies | |
| Sustainable Construction Technologies | Low-Carbon Building Materials | Food Production Enhancement | Agricultural Resource Management |



Society

| Identity and Social Values | | Digital Society and Digital Government | |
|---|--|--|--|
| Community Participation and Voluntary Work | | Digital Transformation of Government Services | |
| Social and Religious Values | Strengthening National Identity | Digital Governance and Data Management | Digital Inclusion and Digital Infrastructure |
| Economic Diversification and Sustainable Development | | Education, Digital Education, and Building Capacity | |
| Sustainable Development and Circular Economy | Innovation, Entrepreneurship, and Support for SMEs | Quality of the Digital Learning Environments | Digital Capacity and Skills Development |
| Financial Technology | Public Policy Development | Teaching and Learning Strategies | Developing Educational Policies |
| Localization of the Workforce and Building the Capacity of Locals | | Development of Digital Curricula and Educational Resources | |
| National and Human Security, Safety, and Crisis Recovery | | Family Cohesion | |
| Diplomacy and Conflict Resolution | Public Safety and Security | Developing Services for Priority Groups | Supporting the Role of Women in Society |
| Drug and Crime Prevention | Cybercrime | Work-Family Balance | Strengthening the Institution of Marriage |
| Disaster and Crisis Management | | Enhancing Family Values and Intergenerational Bonds | |



Energy

| Smart Grids and Energy Management Systems | | Advanced Materials for Energy Applications | |
|---|----------------------------------|--|--|
| Advanced Energy Management Systems | | Development of Advanced Materials and Low-Carbon metals | |
| Development of Integrated Smart Grids | Network Security and Reliability | Energy Storage Materials and Technologies | End Products in Aluminum Sector |
| Carbon Capture and Storage Technologies | | Renewable Energy and Energy Efficiency | |
| Carbon Capture and Storage Technologies | Economic and Regulatory Aspects | Renewable Energy Production, Storage and Conversion | Energy Efficiency and Rationalization of Consumption |
| Enhancing Oil and Gas Production Sustainability and Developing Alternatives | | | |
| Sustainable Oil and Gas Production Techniques and Associated Byproduct Management | | Carbon Emission Reduction Technologies in the Oil and Gas Industry and Enhancing the Energy Transition | |
| Fossil Fuel Alternative Production Technologies | | Blue Ammonia Production Technologies | |