

Research Roadmap คณะวิศวกรรมศาสตร์

(ข้อมูล ณ วันที่ 19 ก.ค. 62)

2019

2020

2021

2022



Logistics and Infrastructure

- Railway system
- Logistic and transportation
- Advanced Infrastructure

Energy and Environmental Sustainability

- Bioresource valorization and biorefinery
- Environmental restoration & Climate change
- Energy production, conversion & storage
- Water treatment & remediation

Advanced Material and Manufacturing

- Material for engineering application
- Productivity enhancement for agriculture and industry

Digital

- Robotics, automation and smart electronics
- Internet of things (IoT) , Big Data, Digital, 5G
- Next-gen EV
- Biomedical engineering and rehabilitation for patients, disabled, elderly

Core Knowledge Tools

- Process Engineering and Control
- Computer Modeling / Simulation/Data analytics
- Industrial Application and Upscaling
- Automation and Artificial Intelligent

Platform Technology

- Energy technology
- Advanced material
- Environmental technology
- Network, Digital technology , Intelligent systems
- Frontier disruptive research

Infrastructure & Excellence lab

- Research Infrastructure & Research Laboratories
- Research Integrity and Research Standards