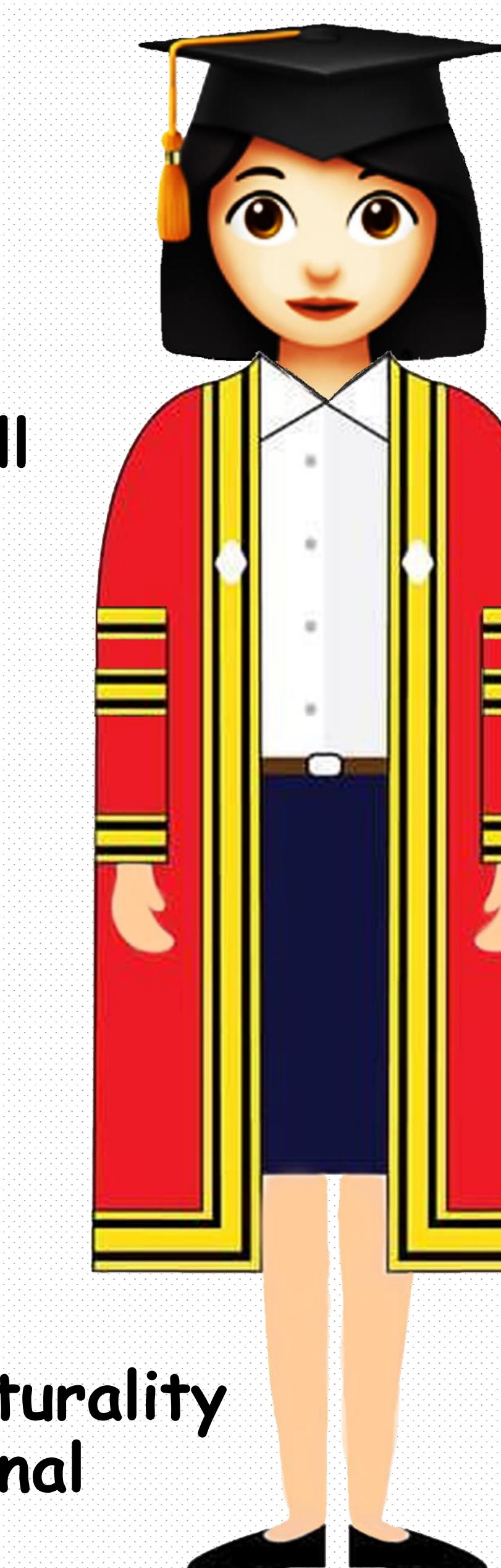
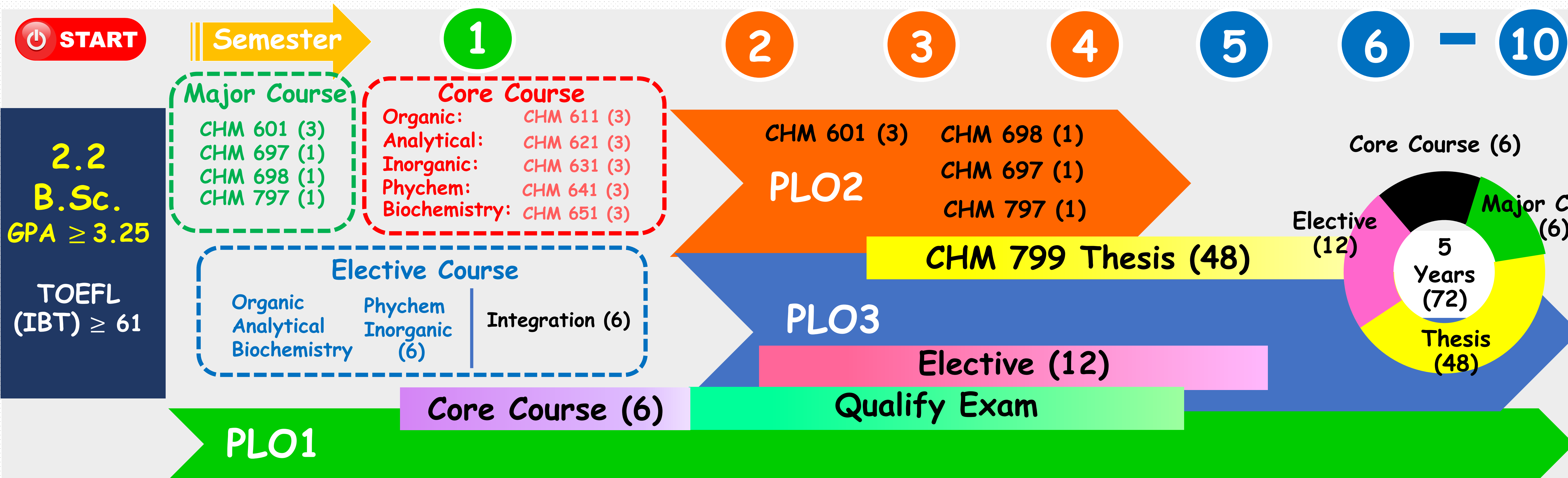
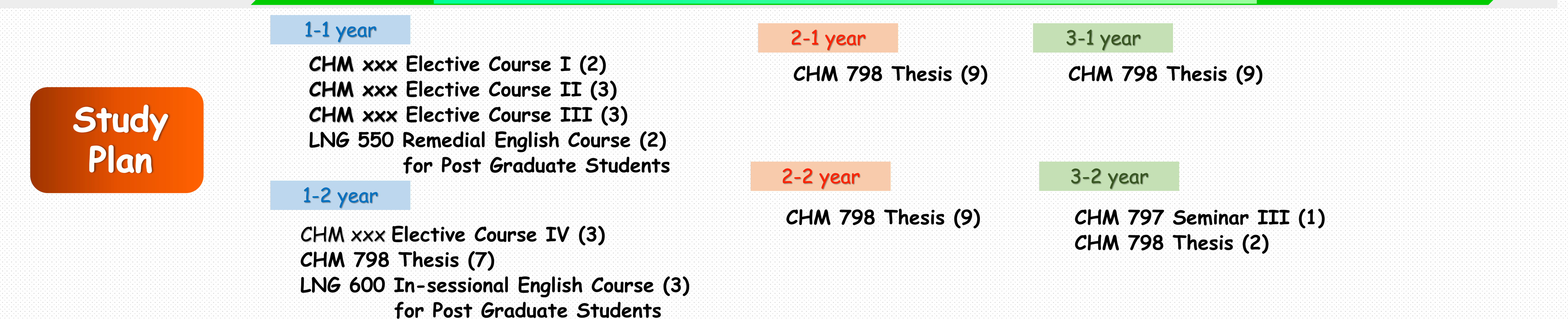


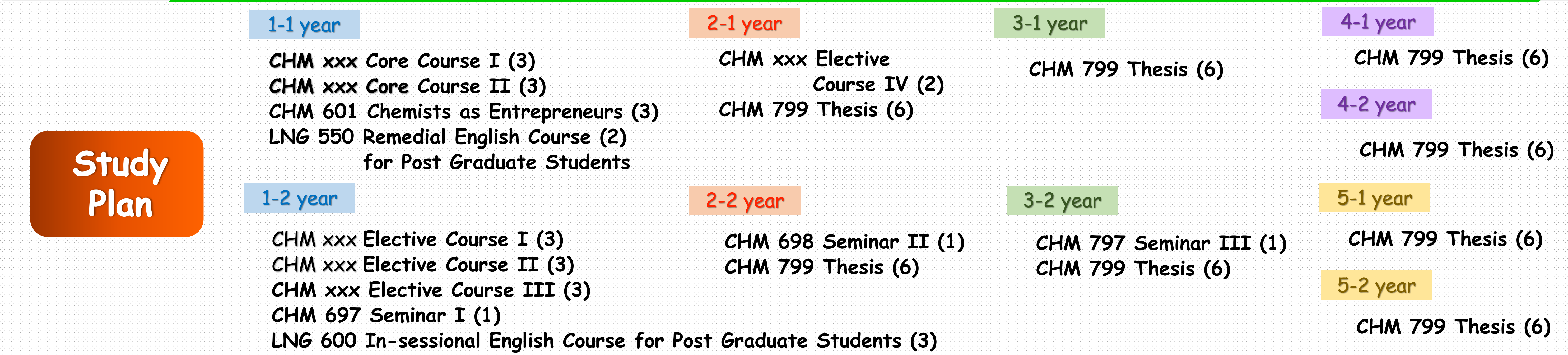
Learning Outcomes



- Creating Innovation
- Communication Skill
- Learning Skill
- Leadership
- Sense-making
- Management Skill
- Professional Skill
- Diversity Interculturality and International
- Responsibility and Ethical sense



Qualifications of Ph.D. Graduate Student
✓ 2 International Journals/Person



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Revised Date: Revised on: 24 August 2021



Funding

Graduate Scholarship,
Faculty of Science, KMUTT

RGJ

Science Achievement
Scholarship of Thailand

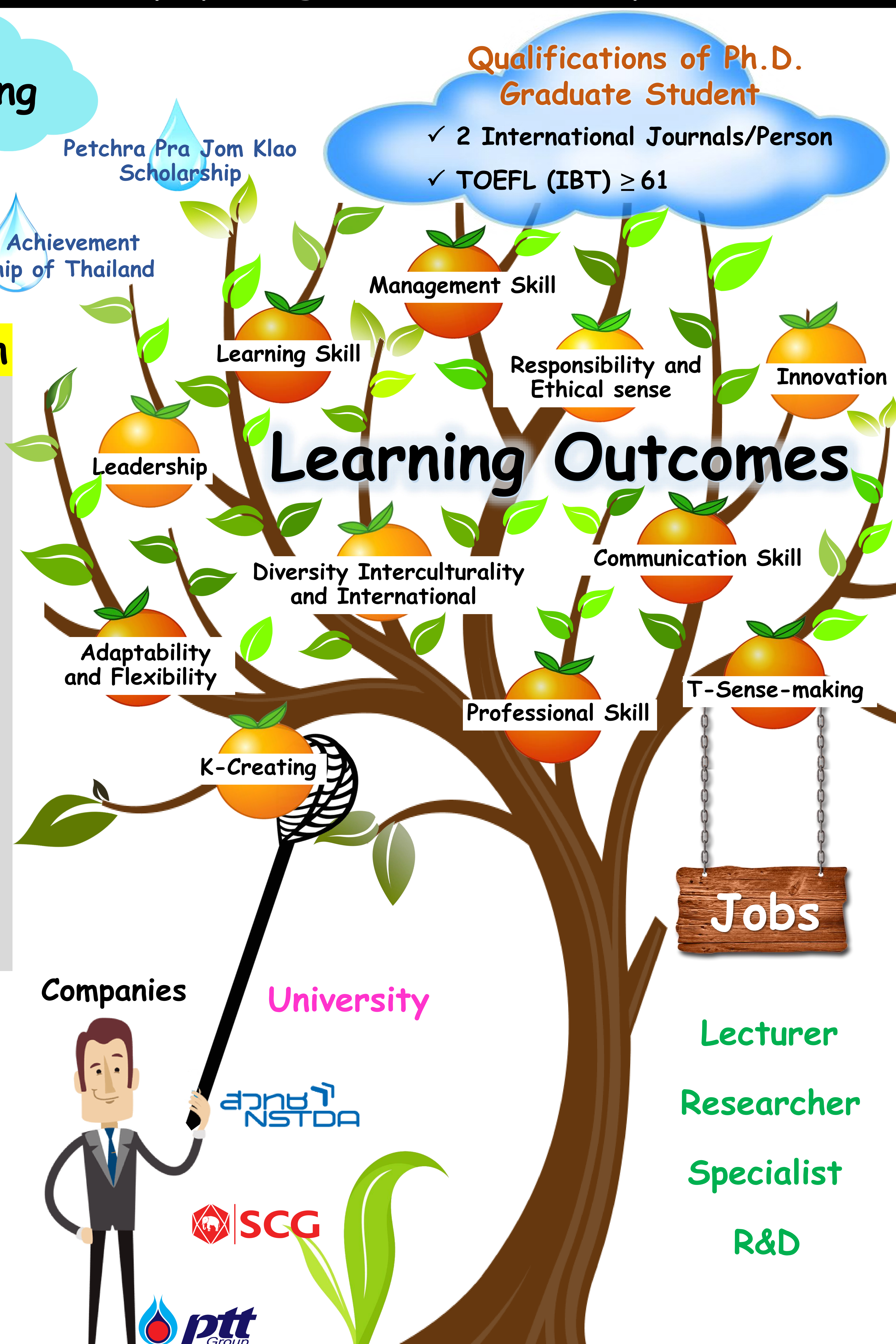
Petchra Pra Jom Klao
Scholarship

Qualifications of Ph.D. Graduate Student

- ✓ 2 International Journals/Person
- ✓ TOEFL (IBT) ≥ 61

Highlight of Research

- Molecular modeling of sensing materials and organic solar cells.
- Microfluidic system and sensor
- Development of device for point-of-care monitoring.
- Development of Simple Methods for Green Assays
- Development of new methods for the synthesis of bioactive compounds
- Synthesis of small molecules for anticancer and antimalaria
- NanostruElectrospun nanofiber sheets doped with new fluorophores for selective cations and anions detection.
- ctured-metal modified materials for gas sensors.
- Molecular spectroscopy emphasized on surface analysis of material.



Lecturer

Companies

University

Lecturer

Researcher

Specialist

R&D

Teaching Process

Inquiry-based
Problem-based
Project-based

- Master Degree in Science
GPAX ≥ 3.50
- Bachelor Degree in Science
GPAX ≥ 3.25

PLO1

Ability to create newly profound-chemical innovations or knowledge which are in line with national policies.

PLO2

Ability to successfully conduct the research and plan to transfer the innovation as well as to appropriately transfer the academic knowledge to the academic community and/or society both in Thai and English.

PLO3

Self-responsibility, roles and society based on ethic-community and professional ethics.

