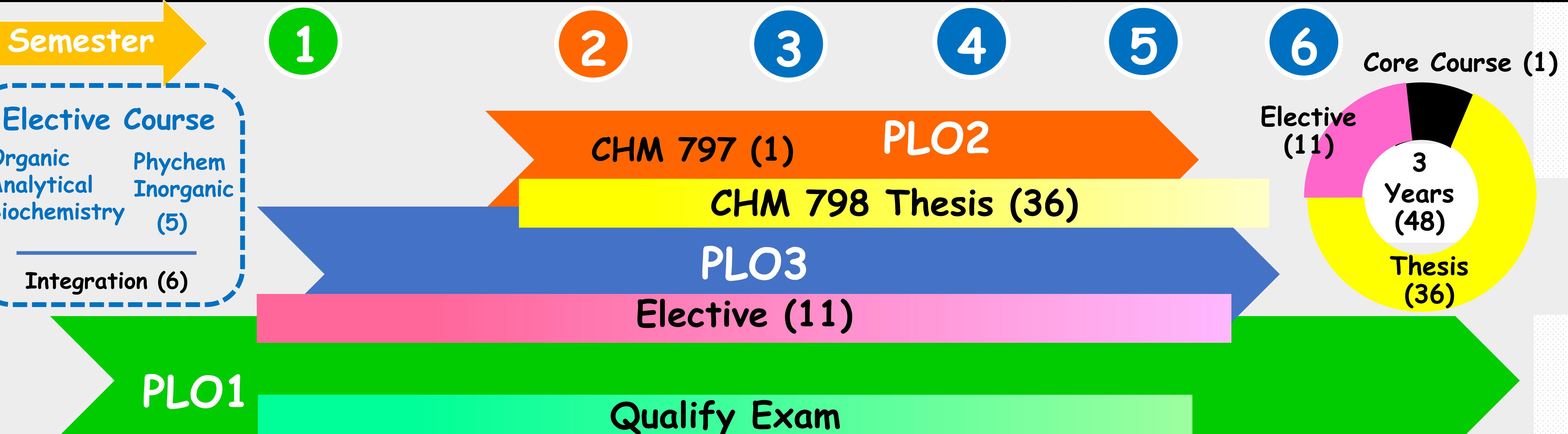


START

2.1  
M.Sc.  
GPA  $\geq 3.50$   
TOEFL (IBT)  $\geq 61$

### Study Plan



**Study Plan**

1-1 year  
CHM xxx Elective Course I (2)  
CHM xxx Elective Course II (3)  
CHM xxx Elective Course III (3)  
LNG 550 Remedial English Course (2)  
for Post Graduate Students

1-2 year  
CHM xxx Elective Course IV (3)  
CHM 798 Thesis (7)  
LNG 600 In-sessional English Course (3)  
for Post Graduate Students

**Study Plan**

1-1 year  
CHM 798 Thesis (9)

2-1 year  
CHM 798 Thesis (9)

2-2 year  
CHM 798 Thesis (9)

3-1 year  
CHM 798 Thesis (9)

3-2 year  
CHM 797 Seminar III (1)  
CHM 798 Thesis (2)

## Learning Outcomes

Creating

Innovation

Communication Skill

Learning Skill

Leadership

Sense-making

Management Skill

Professional Skill

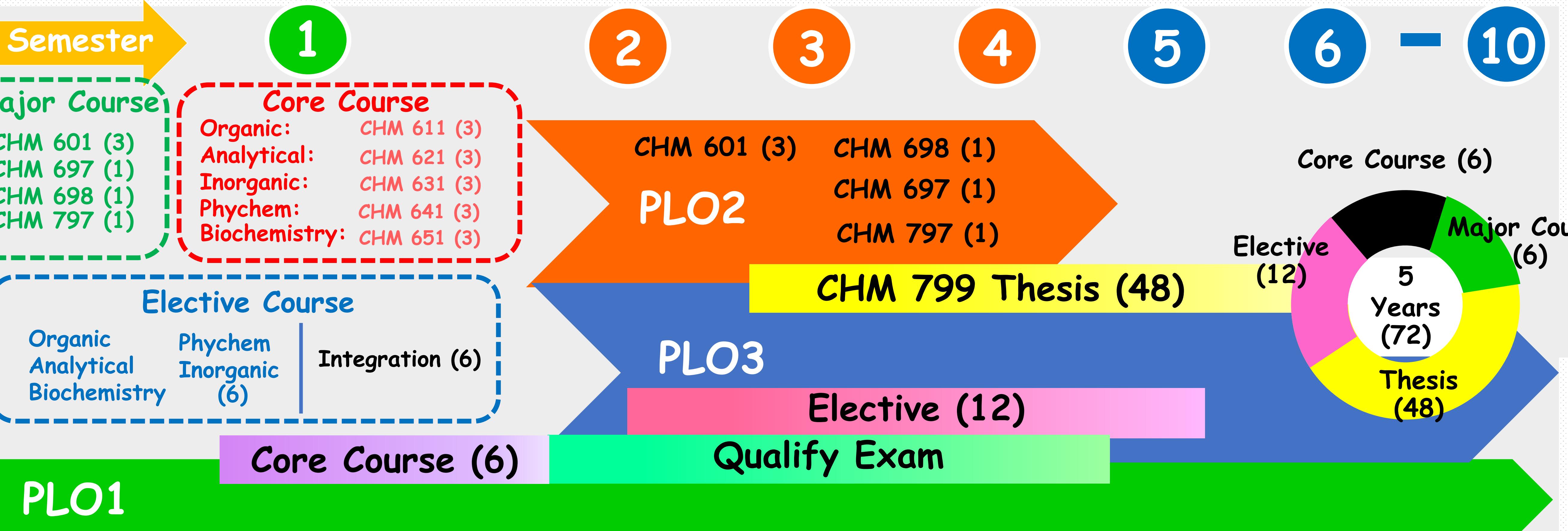
Diversity Interculturality  
and InternationalResponsibility and  
Ethical sense

START

2.2  
B.Sc.  
GPA  $\geq 3.25$

TOEFL (IBT)  $\geq 61$ 

### Study Plan



**Study Plan**

1-1 year  
CHM xxx Core Course I (3)  
CHM xxx Core Course II (3)  
CHM 601 Chemists as Entrepreneurs (3)  
LNG 550 Remedial English Course (2)  
for Post Graduate Students

1-2 year  
CHM xxx Elective Course I (3)  
CHM xxx Elective Course II (3)  
CHM xxx Elective Course III (3)  
CHM 697 Seminar I (1)  
LNG 600 In-sessional English Course for Post Graduate Students (3)

**Study Plan**

2-1 year  
CHM xxx Elective Course IV (2)  
CHM 799 Thesis (6)

2-2 year  
CHM 698 Seminar II (1)  
CHM 799 Thesis (6)

3-1 year  
CHM 799 Thesis (6)

3-2 year  
CHM 797 Seminar III (1)  
CHM 799 Thesis (6)

4-1 year  
CHM 799 Thesis (6)

4-2 year  
CHM 799 Thesis (6)

5-1 year  
CHM 799 Thesis (6)

5-2 year  
CHM 799 Thesis (6)

### Qualifications of Ph.D. Graduate Student

✓ 2 International Journals/Person

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E-mail : [pailin.nin@kmutt.ac.th](mailto:pailin.nin@kmutt.ac.th),  
Revised Date: Revised on: 24 August 2021



### Funding

Graduate Scholarship,  
Faculty of Science, KMUTT

RGJ

Petchra Pra Jom Klae  
Scholarship

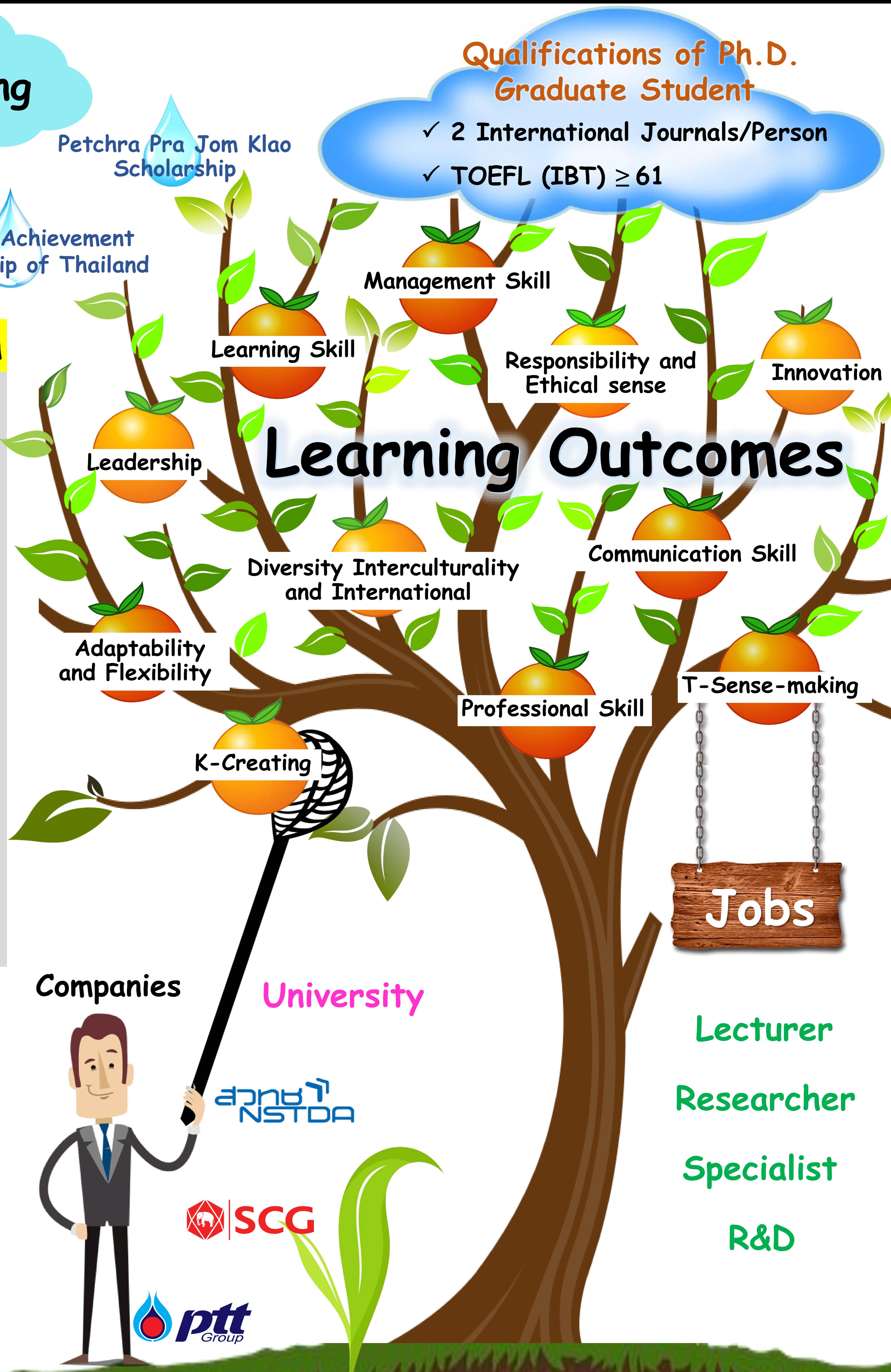
Science Achievement  
Scholarship of Thailand

### Qualifications of Ph.D. Graduate Student

- ✓ 2 International Journals/Person
- ✓ TOEFL (IBT)  $\geq 61$

### 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.



- Master Degree in Science  $GPAX \geq 3.50$
- Bachelor Degree in Science  $GPAX \geq 3.25$

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.

