

## Course Requirements

Course	Course					Research	Total	
	General Required	Major Required		Elective				
		CT Major	Individual Dept.	CT Major	Individual Dept.			
M.S.	CT Major	3 and 1AU	6	-	12	-	12	33
	Individual Dept.	3 and 1AU	6	*	6	*	12	33
Ph.D	CT Major	3 and 1AU	6	-	21	-	30	60
	Individual Dept.	3 and 1AU	6	*	15	*	30	60

- It is possible to combine curriculum credits accumulated during Master's Program for Doctorate Program.

\* Need to complete requirements set by individual department as well as this Course Major's requirements.

### □ Master's Program

- 1) Graduation Credits: at least 33 credits
- 2) General Requirement: 3 credits and 1AU

Code	Title	Lecture:Lab.:Credit(Homework)
CC010	Special Lecture on Leadership	1:0:0
CC020	Ethics and Safety I	1AU
CC500	Scientific Writing	3:0:3(4)
CC510	Introduction to Computer Application	2:3:3(10)
CC511	Probability and Statistics	2:3:3(6)
CC513	Engineering Economy and Cost Analysis	3:0:3(6)
CC522	Introduction to Instruments	2:3:3(8)
CC530	Entrepreneurship and Business Strategies	3:0:3(6)
CC531	Patent Analysis and Invention Disclosure	3:0:3(6)

- 3) Major Requirement: 6 credits
  - GCT501 Theory of Culture Technology
  - GCT503 Culture Technology Project I
- 4) Electives: 12 credits
  - Should include 12 credits out of the major electives listed in the Curriculum List of the GSCT Program.
- 5) Research: At least 12 credits
  - Should Include 12 credits out of the Thesis, Seminar, and Individual Research.
  - 3 credits of this research course can be earned by the internship program in a company. (recommended)

### □ Doctorate Program

- 1) Graduation Credits : at least 60 credits
- 2) General Requirement: 3 credits and 1AU

<b>Code</b>	<b>Title</b>	<b>Lecture:Lab.:Credit(Homework)</b>
CC020	Ethics and Safety I	1AU
CC500	Scientific Writing	3:0:3(4)
CC510	Introduction to Computer Application	2:3:3(10)
CC511	Probability and Statistics	2:3:3(6)
CC513	Engineering Economy and Cost Analysis	3:0:3(6)
CC522	Introduction to Instruments	2:3:3(8)
CC530	Entrepreneurship and Business Strategies	3:0:3(6)
CC531	Patent Analysis and Invention Disclosure	3:0:3(6)

- It is possible to combine the curriculum credits accumulated during Master's Program for Doctorate Program.
- 3) Major Requirement: 6 credits
- GCT501 Theory of Culture Technology
  - GCT602 Culture Technology Project II
  - It is possible to combine the curriculum credits accumulated during Master's Program for Doctorate Program.
- 4) Electives: 21 credits
- Should include 21 credits out of the major electives listed in the Curriculum List of the CT Program.
- 5) Research: At least 30 credits
- Should Include 30 credits out of the Thesis, Seminar, and Individual Research.