

Master of Science (Genetic Engineering and Bioinformatics)

Curriculum. A. 1

จำนวนหน่วยกิตรวมตลอดหลักสูตร ไม่น้อยกว่า 36 หน่วยกิต

|                |   |                               |                             |
|----------------|---|-------------------------------|-----------------------------|
| 1. Major       | No less than 4 credits (not counting the credits).                    |                               |                             |
|                | - 01554597 Seminar  | 1,1                           | (2 credits, does not count) |
|                | <u>วิชาเอกบังคับ</u>  | <u>ไม่น้อยกว่า 2 หน่วยกิต</u> |                             |
|                | - 01554591 Research Methods in Genetic Engineering and Bioinformatics | 2(1-2-3)                      | (2 credits, does not count) |
| ข. วิทยานิพนธ์ | ไม่น้อยกว่า 36 หน่วยกิต   | (นับหน่วยกิต)                 |                             |
|                | - 01554599 Thesis   | 1-36                          | (36 credits, count)         |

Curriculum. A. 2

จำนวนหน่วยกิตรวมตลอดหลักสูตร ไม่น้อยกว่า 36 หน่วยกิต

|           |   |                               |                           |
|-----------|---|-------------------------------|---------------------------|
| 1. Major  | No less than 18 credits (count credits).                              |                               |                           |
|           | - 01554597 Seminar  | 1,1                           | (2 credits count credits) |
|           | <u>วิชาเอกบังคับ</u>  | <u>ไม่น้อยกว่า 8 หน่วยกิต</u> |                           |
|           | - 01554572 Genomes and Functions                                      | 3(3-0-6)                      | (count credits)           |
|           | - 01554591 Research Methods in Genetic Engineering and Bioinformatics | 2(1-2-3)                      | (count credits)           |
|           | - 02735512 Advanced Techniques in Recombinant DNA                     | 3(1-6-5)                      | (count credits)           |
|           | <u>วิชาเลือก</u>  | <u>ไม่น้อยกว่า 8 หน่วยกิต</u> |                           |
|           | - 01554571 Bioinformatics   | 2(1-2-3)                      | (count credits)           |
|           | - 01554573 Epitopes Design Bioinformatics                             | 2(1-2-3)                      | (count credits)           |
|           | - 01554574 Advanced Plant Genetic Engineering                         | 2(2-0-4)                      | (count credits)           |
|           | - 01554575 Technology in Genetic Engineering                          | 2(2-0-4)                      | (count credits)           |
|           | - 01554576 Bioinformatics for NGS Data Analysis                       | 2(1-2-3)                      | (count credits)           |
|           | - 01554596 Selected Topics in Genetic Engineering and Bioinformatics  | 1-3                           | (count credits)           |
|           | - 01554598 Special Problems   | 1-3                           | (count credits)           |
| ข. Thesis | ไม่น้อยกว่า 18 หน่วยกิต   | (count credits)               |                           |

Note: students can choose the course in the field of genetic engineering, and bioinformatics. Or other related courses with a code three end since 500 degree courses in the universities of agriculture. Depending on the discretion of the main thesis advisor With the approval of the president and Dean of the graduate school.