**Bachelor of Science Program in Statistics**

**Name of Degree:** Bachelor of Science (Statistics)

**Abbreviation:** B.Sc. (Statistics)

**Curriculum**

**Total Credits** **130 Credits**

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| **First Year , 1st Semester** | **Number of Credit** |
| **Course Number** | **Course Title** |
| 000 101 | English 1 | 3(3-0-6) |
| 000 159 | Citizenship in Democratic Society | 3(3-0-6) |
| 311 111 | Biology for Physical Science | 3(3-0-6) |
| 311 112 | Biology for Physical Science Laboratory | 1(0-3-2) |
| 314 121 | Calculus of Physical Science I | 3(3-0-6) |
| 315 106 | Introductory Physics | 3(3-0-6) |
| 315 181 | General Physics Laboratory I | 1(0-3-2) |
| 322 161 | Introduction to Information and Communication Technology | 3(3-0-6) |
| **Total** | **20** |

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| **First Year , 2nd Semester** | **Number of Credit** |
| **Course Number** | **Course Title** |
| 000 102 | English 2 | 3(3-0-6) |
| 000 153 | Local Wisdom | 3(3-0-6) |
| 000 174 | Learning Skills | 3(3-0-6) |
| 312 106 | General Chemistry Laboratory | 1(0-3-2) |
| 312 108 | Fundamental Chemistry | 3(3-0-6) |
| 314 122 | Calculus of Physical Science II | 3(3-0-6) |
| 336 203 | Statistical Analysis I | 3(3-0-6) |
| **Total** | **19** |

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| **Second Year , 1st Semester** | **Number of Credit** |
| **Course Number** | **Course Title** |
| 000 103 | English 3 | 3(3-0-6) |
| 000 176 | Creative Entrepreneurs | 3(3-0-6) |
| 314 213 | Linear Algebra I | 3(3-0-6) |
| 322 117 | Computer Programming I | 3(2-2-5) |
| 323 221 | Multivariate Calculus | 3(3-0-6) |
| 336 232 | Statistical Analysis II | 3(3-0-6) |
| **Total** | **18** |

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| **Second Year , 2nd Semester** | **Number of Credit** |
| **Course Number** | **Course Title** |
| 000 104 | English IV | 3(3-0-6) |
| 000 173 | Energy and Environment | 3(3-0-6) |
| 336 211 | Statistical Theory I | 3(3-0-6) |
| 336 241 | Data Management | 3(2-2-5) |
| 336 271 | Operations Research | 3(3-0-6) |
| xxx xxx | Elective (Statistics) | 6 |
| **Total** | **21** |

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| **Third Year , 1st Semester** | **Number of Credit** |
| **Course Number** | **Course Title** |
| 000 145 | Leadership and Management | 3(3-0-6) |
| 336 311 | Statistical Theory II | 3(3-0-6) |
| 336 331 | Sampling Techniques | 3(3-0-6) |
| 336 333 | Regression Analysis | 3(2-2-5) |
| 336 334 | Nonparametric Statistics | 3(3-0-6) |
| xxx xxx | Elective (Statistics) | 6 |
| **Total** | **21** |

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| **Third Year , 2nd Semester** |
| **Regular Plan** | **Co-operative Education Plan** |
| **Course Number** | **Course Title** | **Number of Credit** | **Course Number** | **Course Title** | **Number of Credit** |
| 336 332 | Experimental Designs I | 3(3-0-6) | 336 332 | Experimental Designs I | 3(3-0-6) |
| 336 337 | Statistical Quality Control | 3(3-0-6) | 336 337 | Statistical Quality Control | 3(3-0-6) |
| 336 338 | Research Methodology | 3(3-0-6) | 336 338 | Research Methodology | 3(3-0-6) |
| 336 341 | Statistical Data Processing | 3(1-4-4) | 336 341 | Statistical Data Processing | 3(1-4-4) |
| xxx xxx | Elective (Statistics) | 3 | xxx xxx | Elective (Statistics) | 3 |
| xxx xxx | Elective (Free) | 3 | xxx xxx | Elective (Free) | 3 |
| **Total** | **18** | 300 202 | Orientation to Co-Operative Education for Science Student | 1(0-2-2) |
|  |  | **Total** | **19** |

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| **Fourth Year , 1st Semester** |
| **Regular Plan** | **Co-operative Education Plan** |
| **Course Number** | **Course Title** | **Number of Credit** | **Course Number** | **Course Title** | **Number of Credit** |
| 336 431 | Multivariate Analysis | 3(3-0-6) | 336 431 | Multivariate Analysis | 3(3-0-6) |
| 336 491 | Seminar in Statistics | 1(1-0-2) | 336 491 | Seminar in Statistics | 1(1-0-2) |
| 336 492 | Statistical Project I | 3(0-6-3) | xxx xxx | Elective (Free) | 3 |
| **Total** | 7 | **Total** | 7 |
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| **Fourth Year , 2nd Semester** |
| **Regular Plan** | **Co-operative Education Plan** |
| **Course Number** | **Course Title** | **Number of Credit** | **Course Number** | **Course Title** | **Number of Credit** |
| 336 493 | Statistical Project I I | 3(0-6-3) | 336 494 | Co-operative Education in Statistics | 6(0-18-9) |
| xxx xxx | Elective (Free) | 3 | **Total** | 6 |
| **Total** | **6** |  |
|  |  |

**Statistics B.Sc. Program Director:** [**Wuttichai Srisodaphol**](http://sc2.kku.ac.th/stat/statweb/index.php/wuttsr). Ph.D. Assistant Professor

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