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| 1. SEMESTER COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| HIST 101 | Atatürk’s Principles and History of Turkish Revolution I | M | 2 | 0 | 2 | 2 | 2 |
| TURK 101 | Turkish I | M | 2 | 0 | 2 | 2 | 2 |
| ING 101 | English I | M | 2 | 0 | 2 | 2 | 3 |
| OHS 201 | Occupational Health and Safety I | M | 2 | 0 | 2 | 2 | 2 |
| MAT 101 | Calculus | M | 2 | 0 | 2 | 2 | 3 |
| CARP 101 | Career Planning | M | 1 | 0 | 1 | 1 | 2 |
| BİK 101 | Informatics and Computer Programming | M | 2 | 2 | 4 | 3 | 5 |
| TBT 101 | Botanic | M | 2 | 2 | 4 | 3 | 4 |
| TBT 103 | Surveying | M | 1 | 2 | 3 | 2 | 3 |
|  | Social Elective | E |  |  |  | 3 | 4 |
|  | **Total** | | **16\*** | **6\*** | **22\*** | **22** | **30** |
|  |  | **1. Module** | | | | | |
|  |  | **Botanics-Surveying** | | | | | |

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| 2. SEMESTER COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| HIST 102 | Atatürk’s Principles and History of Turkish Revolution II | M | 2 | 0 | 2 | 2 | 2 |
| TURK 102 | Turkish II | M | 2 | 0 | 2 | 2 | 2 |
| ING 102 | English II | M | 2 | 0 | 2 | 2 | 3 |
| TBT 102 | Soil Science | M | 2 | 0 | 2 | 2 | 3 |
| TBT 104 | Zoology | M | 2 | 2 | 4 | 3 | 5 |
| TBT 106 | Agricultural Economics | M | 2 | 0 | 2 | 2 | 3 |
| BÜT 106 | Agricultural Ecology | M | 2 | 0 | 2 | 2 | 3 |
| BÜT 108 | Plant Breeding | M | 2 | 2 | 4 | 3 | 5 |
|  | Social Elective | E |  |  |  | 3 | 4 |
|  | **Total** | | **16\*** | **4\*** | **20\*** | **21** | **30** |
|  |  | | **2. Module** | | | | |
|  | **Soil Science-Agricultural Ecology-Agricultural Economics** | | | | | | |

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| 3. SEMESTER COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| BİK 201 | Entomology | M | 2 | 0 | 2 | 2 | 3 |
| BİK 203 | Biometrics | M | 2 | 2 | 4 | 3 | 3 |
| BİK 205 | Professional Practice I | M | 0 | 4 | 4 | 2 | 4 |
| BÜT 201 | Plant Physiology | M | 3 | 0 | 3 | 3 | 3 |
| TBT 201 | Agricultural Structures and Irrigation | M | 2 | 0 | 2 | 2 | 3 |
| TBT 203 | Plant Nutrition and Fertilization | M | 2 | 0 | 2 | 2 | 3 |
| TBT 205 | Technical Drawing | M | 1 | 2 | 3 | 2 | 3 |
| TBT 207 | Animal Science | M | 2 | 0 | 2 | 2 | 2 |
| OHS 202 | Occupational Health and Safety II | M | 2 | 0 | 2 | 2 | 2 |
|  | Social Elective | E |  |  |  | 3 | 4 |
|  | **Total** | | **16\*** | **8\*** | **24\*** | **23** | **30** |
|  |  | **3. Module** | | | | | |
|  | **Entomology-** **Plant Nutrition and Fertilization-** **Biometrics** | | | | | | |
| Professional practice will start in the 3rd Semester and continue throughout the year. The student will begin the studies in autumn or spring season according to the crop needs. | | | | | | | |

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| 4. SEMESTER COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| BİK 202 | Phytopathology | M | 2 | 0 | 2 | 2 | 3 |
| BİK 204 | Professional Practice II | M | 0 | 4 | 4 | 2 | 4 |
| BÜT 210 | Field Crops | M | 3 | 0 | 3 | 3 | 4 |
| TBT 202 | Digital Agriculture | M | 1 | 2 | 3 | 2 | 3 |
| TBT 204 | Remote Sensing and GIS in Agriculture | M | 1 | 2 | 3 | 2 | 3 |
| TBT 206 | Genetics | M | 2 | 0 | 2 | 2 | 3 |
| TBT 208 | Meteorology | M | 2 | 0 | 2 | 2 | 3 |
| TBT 210 | Agricultural Robots | M | 1 | 2 | 3 | 2 | 3 |
|  | Technical Elective I | E |  |  |  | 2 | 2 |
|  | Technical Elective II | E |  |  |  | 2 | 2 |
|  | **Toplam** | | **12\*** | **10\*** | **22\*** | **21** | **30** |
|  |  | **4. Module** | | | | | |
|  |  | **Phytopathology-Field Crops-Genetics** | | | | | |
| Professional practice will start in the 3rd Semester and continue throughout the year. The student will begin the studies in autumn or spring season according to the crop needs. | | | | | | | |

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| 4. SEMESTER ELECTIVE COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| BİKS 202 | Integrated Pest Management | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 214 | Field Crops Cultivation | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 216 | Horticulture Cultivation | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 218 | Vegetable and Ornamental Plants Cultivation | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 220 | Grain Legumes and Forage Crops Cultivation | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 222 | Food Analysis | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 224 | Plant Production Technique | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 202 | Resistance Breeding in Field Crops | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 204 | Mushroom Cultivation | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 206 | Soil Improvement | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 208 | Agricultural Insurance | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 210 | Agricultural Law | E | 2 | 0 | 2 | 2 | 2 |
| CNG 290 | Introduction to Programming | E | 1 | 2 | 3 | 2 | 2 |
| AEE 203 | Basic Concepts in Materials Science | E | 2 | 0 | 2 | 2 | 2 |

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| 5. SEMESTER COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| BİK 301 | Plant Mycology | M | 2 | 2 | 4 | 3 | 4 |
| BİK 303 | Insect Taxonomy | M | 2 | 2 | 4 | 3 | 4 |
| BİK 305 | Pest Management | M | 3 | 0 | 3 | 3 | 4 |
| BİK 307 | Research and Trial Methods in Plant Protection | M | 2 | 2 | 4 | 3 | 4 |
| BİK 309 | Biotechnology | M | 2 | 0 | 2 | 2 | 3 |
| BİK 311 | Horticulture | M | 3 | 0 | 3 | 3 | 4 |
| BİK 313 | Stored Product Pests | M | 2 | 0 | 2 | 2 | 2 |
| TBT 301 | Drone Technology | M | 1 | 2 | 3 | 2 | 3 |
|  | Technical Elective | E | 2 | 0 | 2 | 2 | 2 |
|  | **Total** | | **19** | **8** | **27** | **23** | **30** |
|  |  | **5. Module** | | | | | |
|  | **Plant Mycology-Insect Taxonomy-Pest Management** | | | | | | |

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| 5. SEMESTER ELECTIVE COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| BİKS 301 | Agricultural History and Dentology | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 303 | Agricultural Extension and Communication | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 305 | Insect Rearing Techniques | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 307 | Certification and Quarantine | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 309 | Introduction to Biological Control Applications | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 311 | Plant Protection Products | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 317 | Organic Agriculture | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 319 | Grain Processing Technology | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 321 | Horticultural Physiology | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 323 | Cool Season Cereals | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 325 | Agricultural Mechanization | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 327 | Fruit Vineyard Growing Techniques | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 301 | Scientific Writing and Presentation Techniques | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 303 | Soil Microbiology | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 305 | Project Preparation | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 307 | Soil and Ecosystem | E | 2 | 0 | 2 | 2 | 2 |
| CNG 391 | Artificial Intelligence | E | 2 | 0 | 2 | 2 | 2 |
| CNG 393 | Introduction to Data Mining | E | 2 | 0 | 2 | 2 | 2 |

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| 6. SEMESTER COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| BİK 302 | Plant Nematology | M | 2 | 2 | 4 | 3 | 4 |
| BİK 304 | Plant Bacteriology | M | 2 | 2 | 4 | 3 | 4 |
| BİK 306 | Plant Virology | M | 2 | 2 | 4 | 3 | 4 |
| BİK 308 | Insect Morphology and Physiology | M | 2 | 2 | 4 | 3 | 4 |
| BİK 310 | Horticulturral Pests | M | 2 | 2 | 4 | 3 | 4 |
| BİK 312 | Field Crop Pests | M | 2 | 2 | 4 | 3 | 4 |
| BİK 314 | Graduation Thesis I | M | 0 | 2 | 2 | 1 | 4 |
|  | Technical Elective | E | 2 | 0 | 2 | 2 | 2 |
|  | **Total** | | **14** | **14** | **28** | **21** | **30** |
|  |  | **6. Module** | | | | | |
|  | **Plant Nematology-Plant Bacteriology-Plant Virology** | | | | | | |

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| 6. SEMESTER ELECTIVE COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| BİKS 302 | Entomopathogenic Nematodes | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 304 | Epidemiology | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 306 | Commercializing Innovation | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 308 | Pests of Forest, Park and Ornamental Plants | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 310 | Fruit Pests and Control | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 312 | Fruit Diseases and Control | E | 2 | 0 | 2 | 2 | 2 |
| BİKS 314 | Pesticide Environmental Relations | E | 2 | 0 | 2 | 2 | 2 |
| BÜTS 316 | Protected Vegetable Cultivation | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 302 | Scientific Writing and Presentation Techniques | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 304 | Warm Season Vegetables | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 306 | Seedling Production | E | 2 | 0 | 2 | 2 | 2 |
| TBTS 308 | Transgenic Plants | E | 2 | 0 | 2 | 2 | 2 |
| CNG 390 | Introduction to Image Processing | E | 2 | 0 | 2 | 2 | 2 |

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| 7. SEMESTER COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| BİK 401 | Horticultural Diseases | M | 2 | 2 | 4 | 3 | 4 |
| BİK 403 | Field Crops Diseases | M | 2 | 2 | 4 | 3 | 4 |
| BİK 405 | Herbology | M | 2 | 2 | 4 | 3 | 4 |
| BİK 407 | Insect Ecology and Epidemiology | M | 2 | 0 | 2 | 2 | 4 |
| BİK 409 | Plant Protection Machinery | M | 2 | 0 | 2 | 2 | 2 |
| BİK 411 | Plant Acarology | M | 2 | 0 | 2 | 2 | 3 |
| BİK 413 | Plant Health Clinic | M | 2 | 0 | 2 | 2 | 3 |
| BİK 415 | Graduation Thesis II | M | 0 | 2 | 2 | 1 | 4 |
|  | Technical Elective | E | 2 | 0 | 2 | 2 | 2 |
|  | **Total** | | **16** | **8** | **24** | **20** | **30** |
|  |  | **7. Module** | | | | | |
|  | **Horticultural Diseases - Field Crops Diseases -** **Herbology** | | | | | | |

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| 7. SEMESTER ELECTIVE COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** | |
| BİKS 401 | Taxonomic Nematology | E | 2 | 0 | 2 | 2 | 2 | |
| BİKS 403 | Plant Protection Products Regulation and Sale | E | 2 | 0 | 2 | 2 | 2 | |
| BİKS 405 | Vegetable Diseases and Control | E | 2 | 0 | 2 | 2 | 2 | |
| BİKS 407 | Vegetable Pests and Control | E | 2 | 0 | 2 | 2 | 2 | |
| BİKS 409 | Plant Protection Applications in Organic Agriculture | E | 2 | 0 | 2 | 2 | 2 | |
| BİKS 411 | Production of Beneficial Metabolites from Plant Pathogens | E | 2 | 0 | 2 | 2 | 2 | |
| BİKS 413 | Molecular Techniques in Plant Health | E | 2 | 0 | 2 | 2 | 2 | |
| BÜTS 419 | Agricultural Busines | E | 2 | 0 | 2 | 2 | 2 | |
| BÜTS 421 | Soil-Plant-Water Relationships | E | 2 | 0 | 2 | 2 | 2 | |
| TBTS 401 | Grass Crops Cultivation | E | 2 | 0 | 2 | 2 | 2 | |
| TBTS 403 | Genetic Engineering | E | 2 | 0 | 2 | 2 | 2 | |
| TBTS 405 | Horticultural Breeding | E | 2 | 0 | 2 | 2 | 2 | |
| TBTS 407 | Field Crops Breeding | E | 2 | 0 | 2 | 2 | 2 | |
| TBTS 409 | Good Agricultural Practices | E | 2 | 0 | 2 | 2 | 2 | |
| AEE 104 | Engineering Mechanics: Statics | E | 2 | 0 | 2 | 2 | 2 | |

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| 8. SEMESTER COURSES | | | | | | | |
| Course Code | **Course Name** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** |
| BİK402 | Professional experience | M | 0 | 40 | 40 | 20 | 30 |

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| SOCİAL ELECTİVE COURSES | | | | | | | |
| Dersin Kodu | **Dersin adı** | **M/E** | **T** | **P** | **TO** | **NC** | **ECTS** | |
| SOC 101 | Introduction to Business | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 102 | Current Topics in Psychology | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 103 | Guitar I | E | 2 | 2 | 4 | 3 | 4 | |
| SOC 104 | Special Topics in Economics, Industry and Development | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 105 | Foreign Languages: Basic French | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 106 | Foreign Languages: Basic German | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 107 | Foreign Languages: Basic Spanish | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 108 | History of War | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 109 | Media Literacy | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 110 | Communication Skills | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 111 | Basic Photography | E | 2 | 2 | 4 | 3 | 4 | |
| SOC 112 | Personal Development | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 113 | Creative Thinking Methods | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 114 | Effective Public Speaking | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 115 | Speed Reading | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 116 | Public Relations | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 117 | Business Law and Ethics | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 118 | WEB Design | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 119 | Entrepreneurship and Business Plan Preparation | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 120 | History of Science | E | 3 | 0 | 3 | 3 | 4 | |
| SOC 199 | Volunteering Studies | E | 1 | 2 | 3 | 2 | 4 | |

**M:** Must **E:** Elective **T:** Theoretical **U:** Practice **TO:** Total **UK:** National Credi **ECTS:** European Credit Transfer and Accumulation System