جامعة الإمارات العربيـة المتحدة United Arab Emirates University

Department of Integrative Agriculture

Bachelor of Science in Horticulture Model Study Plan (2022-2023 Cohort onwards) Concentration: Crop Production and Organic Farming

For Students Admitted to the University in the Fall Semester Total Degree Credit hours: 120

| Semester | Course Code | Course Title | СН | Course type |
|---------------------|--------------------|---|---------|--|
| | CHEM111 | General Chemistry I | 3 | Specialization |
| 1 | BIOC100 | Basic Biology I | 3 | Gen Ed Course (Cluster 3: Area 1: Natural Sciences) |
| _ | ESPU106 | Introduction to Academic English For Food & Agriculture | 3 | Gen Ed Course (Cluster 1: Area 2: English Communication) |
| ⊣ (Fall) | ISLM100/ISLM101 | Islamic Culture/Biography of the Prophet "Sira" | 3 | Gen Ed Course (Cluster 2: Area 4: Islamic Culture) |
| | GEIE222 | Fundamentals of Innovation and Entrepreneurship | 3 | Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship) |
| ear | | | 15 | |
| ≻ 2 | MATH105 | Calculus I | 3 | Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning) |
| Z | ARAG220 | Natural Resources | 3 | Specialization |
| (C_{m}, \dots, m) | GEIT112 | Fourth Industrial Revolution | 3 | Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution) |
| (Spring) | ELECTIVE | Student choice | 3 | Free Elective |
| | | | 12 | |
| | HSS105 | Emirates Studies | 3 | Gen Ed Course (Cluster 2: Area 3: Emirates Society) |
| 3 | GESU121 | Sustainability | 3 | Gen Ed Course (Cluster 3: Area 2: Sustainability) |
| 5 | ARAG200 | Principles of Soil and Water | 3 | Specialization |
| | ARAG307 | Introduction to Horticulture | 2 | Specialization |
| S (Fall) | BIOL215 | Plant Biology | 3 | Specialization |
| | BIOL225 | Practical Plant Biology | 1 | Specialization |
| | | | 15 | |
| | PHYS105 | General Physics I | 3 | College Requirement |
| 4 | CHEM282 | Organic Chemistry for Non-Majors | 3 | Specialization |
| | ARAG242 | Principles of Plant Protection | 3 | Specialization |
| (Spring) | ARAG310 | Agricultural Technology Transfer | 3 | Specialization |
| (| ELECTIVE | Student choice | 3 | Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences) |
| | | | 15 | |
| | ARAG311 | Plant Propagation | 2 | Specialization |
| 5 | CHEM283 | Biochemistry for Non-Majors | 3 | Specialization |
| 5 | ARAG327 | Plant Physiology and Environmental Stress | 3 | Specialization |
| 🗋 (Fall) | BIOL270 | General Genetics | 2 | Specialization |
| L (Fall) ea | ELECTIVE | Student choice | 3 | Major Elective |
| e | ELECTIVE | Student choice | 3 | Minor Elective |
| | 1046300 | | 16 | |
| | ARAG308 | Soil Fertility and Fertilizer | 3 | Specialization |
| 6 | STAT235 | Statistics for Biology | 3 | College Requirement |
| - | ARAG465 | Salt and Drought Tolerant Plants | 2 | Specialization |
| | PHI180 ELECTIVE | Critical Thinking | 3 | Gen Ed Course (Cluster 1: Area 4: Critical Thinking) |
| (001.00) | - | Student choice Principles of Organic Horticulture | 3 | Major Elective |
| | ARAG305 | Finicipies of Organic Horticulture | 3 17 | Concentration |
| | ARAG407 | Design of Organic Production System | 3 | Concentration |
| 7 | ARAG407 ARAG485 | Senior Project | 3 | Training |
| / | ARAG483 | Irrigation, Drainage and Water Management | 3 | Specialization |
| | ELECTIVE | Student choice | 3 | Major Elective |
| ⁺ (Fall) | ELECTIVE | Student choice | 3 | Minor Elective |
| ear 4 (Fall) | | | 15 | |
| × | ARAG452 | Palms and Dates | 3 | Concentration |
| 8 | ARAG404 | Vegetable Production in Arid Lands | 3 | Concentration |
| 0 | ARAG445 | Internship | 3 | Internship |
| (Spring) | ELECTIVE | Student choice | 3 | Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts) |
| | LECTIVE | | | sen za course (cluster z. Alea z. Hamannies and Fille Alts) |
| (Shing) | ELECTIVE | Student choice | 3 | Free Elective |

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Department of Integrative Agriculture

Bachelor of Science in Horticulture Model Study Plan (2022-2023 Cohort onwards) Concentration: Crop Production and Organic Farming

For Students Admitted to the University in the Spring Semester

| 1 | Total | Degree | Credit | hours: | 120 | |
|---|-------|--------|--------|--------|-----|--|
| | | | | | | |

| Semester | Course Code | Course Title | СН | Course type |
|--------------|-----------------|---|----|--|
| | CHEM111 | General Chemistry I | 3 | Specialization |
| 1 | BIOC100 | Basic Biology I | 3 | Gen Ed Course (Cluster 3: Area 1: Natural Sciences) |
| L 1 | ESPU106 | Introduction to Academic English For Food & Agriculture | 3 | Gen Ed Course (Cluster 1: Area 2: English Communication) |
| (Spring) | ISLM100/ISLM101 | Islamic Culture/Biography of the Prophet "Sira" | 3 | Gen Ed Course (Cluster 2: Area 4: Islamic Culture) |
| (Spring) | MATH105 | Calculus I | 3 | Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning) |
| с | ARAG220 | Natural Resources | 3 | Specialization |
| ear | | | 18 | |
| Ye | HSS105 | Emirates Studies | 3 | Gen Ed Course (Cluster 2: Area 3: Emirates Society) |
| 2 | GESU121 | Sustainability | 3 | Gen Ed Course (Cluster 3: Area 2: Sustainability) |
| | ARAG200 | Principles of Soil and Water | 3 | Specialization |
| | ARAG307 | Introduction to Horticulture | 2 | Specialization |
| | BIOL215 | Plant Biology | 3 | Specialization |
| | BIOL225 | Practical Plant Biology | 1 | Specialization |
| | , | | 15 | |
| | PHYS105 | General Physics I | 3 | College Requirement |
| 3 | CHEM282 | Organic Chemistry for Non-Majors | 3 | Specialization |
| (- · · · | ARAG310 | Agricultural Technology Transfer | 3 | Specialization |
| (Spring) | ARAG242 | Principles of Plant Protection | 3 | Specialization |
| N 191 | GEIE222 | Fundamentals of Innovation and Entrepreneurship | 3 | Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship) |
| ar | | | 15 | |
| le l | ARAG311 | Plant Propagation | 2 | Specialization |
| 4 | CHEM283 | Biochemistry for Non-Majors | 3 | Specialization |
| 4 | ARAG327 | Plant Physiology and Environmental Stress | 3 | Specialization |
| | BIOL270 | General Genetics | 2 | Specialization |
| (raii) | ELECTIVE | Student choice | 3 | Major Elective |
| | ELECTIVE | Student choice | 3 | Minor Elective |
| | | | 16 | |
| | ARAG308 | Soil Fertility and Fertilizer | 3 | Specialization |
| 5 | STAT235 | Statistics for Biology | 3 | College Requirement |
| | ARAG465 | Salt and Drought Tolerant Plants | 2 | Specialization |
| က္ (Spring) | GEIT112 | Fourth Industrial Revolution | 3 | Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution) |
| e (Spring) | ELECTIVE | Student choice | 3 | Minor Elective |
| e e | ARAG305 | Principles of Organic Horticulture | 3 | Concentration |
| \succ | | | 17 | |
| 6 | ARAG407 | Design of Organic Production System | 3 | Concentration |
| 0 | ELECTIVE | Student choice | 3 | Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences) |
| (Fall) | ARAG443 | Irrigation, Drainage and Water Management | 3 | Specialization |
| (1 all) | ELECTIVE | Student choice | 3 | Major Elective |
| | | | 12 | |
| _ | ARAG452 | Palms and Dates | 3 | Concentration |
| 7 | ARAG404 | Vegetable Production in Arid Lands | 3 | Concentration |
| | ELECTIVE | Student choice | 3 | Major Elective |
| → (Spring) | PHI180 | Critical Thinking | 3 | Gen Ed Course (Cluster 1: Area 4: Critical Thinking) |
| , o , | ELECTIVE | Student choice | 3 | Free Elective |
| Ye | | | 15 | |
| 8 | ARAG445 | Internship | 3 | Internship |
| | ARAG485 | Senior Project | 3 | Training |
| (Fall) | ELECTIVE | Student choice | 3 | Free Elective |
| (1 a11) | ELECTIVE | Student choice | 3 | Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts) |
| | | | 12 | |

جامعة الإمارات العربية المتحدة United Arab Emirates University

Department of Integrative Agriculture

Bachelor of Science in Horticulture Model Study Plan (2022-2023 Cohort onwards) Concentration: Environment Horticulture

For Students Admitted to the University in the Fall Semester Total Degree Credit hours: 120

| Semester | Course Code | Course Title | СН | Course type |
|------------|----------------------|---|---------|---|
| | CHEM111 | General Chemistry I | 3 | Specialization |
| 1 | BIOC100 | Basic Biology I | 3 | Gen Ed Course (Cluster 3: Area 1: Natural Sciences) |
| | ESPU106 | Introduction to Academic English For Food & Agriculture | 3 | Gen Ed Course (Cluster 1: Area 2: English Communication) |
| ⊣ (Fall) | ISLM100/ISLM101 | Islamic Culture/Biography of the Prophet "Sira" | 3 | Gen Ed Course (Cluster 2: Area 4: Islamic Culture) |
| L (1 0.11) | GEIE222 | Fundamentals of Innovation and Entrepreneurship | 3 | Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship) |
| (Fall) | | | 15 | |
| ≻ 2 | MATH105 | Calculus I | 3 | College Requirement |
| Z | ARAG220 | Natural Resources | 3 | Specialization |
| (Spring) | GEIT112 | Fourth Industrial Revolution | 3 | Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution) |
| (Spring) | ELECTIVE | Student choice | 3 | Free Elective |
| | | | 12 | |
| | HSS105 | Emirates Studies | 3 | Gen Ed Course (Cluster 2: Area 3: Emirates Society) |
| 3 | GESU121 | Sustainability | 3 | Gen Ed Course (Cluster 3: Area 2: Sustainability) |
| | ARAG200 | Principles of Soil and Water | 3 | Specialization |
| | ARAG307 | Introduction to Horticulture | 2 | Specialization |
| | BIOL215 | Plant Biology | 3 | Specialization |
| a | BIOL225 | Practical Plant Biology | 1 | Specialization |
| | | | 15 | |
| - | PHYS105 | General Physics I | 3 | College Requirement |
| 4 | CHEM282 | Organic Chemistry for Non-Majors | 3 | Specialization |
| | ARAG242 | Principles of Plant Protection | 3 | Specialization |
| (Spring) | ARAG310 | Agricultural Technology Transfer | 3 | Specialization |
| | ELECTIVE | Student choice | 3 | Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences) |
| | | | 15 | |
| | ARAG311 | Plant Propagation | 2 | Specialization |
| 5 | CHEM283 | Biochemistry for Non-Majors | 3 | Specialization |
| - | ARAG327 | Plant Physiology and Environmental Stress | 3 | Specialization |
| | BIOL270 | General Genetics | 2 | Specialization |
| | ELECTIVE ELECTIVE | Student choice Student choice | 3 | Major Elective Minor Elective |
| 1 | ELECTIVE | Student choice | | |
| ear | ABAC208 | Soil Fortility and Fortilizor | 16 2 | Specialization |
| ≻ | ARAG308 STAT235 | Soil Fertility and Fertilizer Statistics for Biology | 3 | Specialization College Requirement |
| 6 | ARAG465 | | 2 | Specialization |
| - | PHI180 | Salt and Drought Tolerant Plants Critical Thinking | 2 | Gen Ed Course (Cluster 1: Area 4: Critical Thinking) |
| | ELECTIVE | Student choice | 3 | Major Elective |
| (0) | ELECTIVE | Student choice | 3 | Minor Elective |
| | LLCTIVL | | 17 | |
| | ARAG451 | Landscape Management for Arid Lands | 3 | Concentration |
| 7 | ARAG451 ARAG453 | Indoor Plants and Flower Arrangements | 3 | Concentration |
| / | ARAG433 ARAG443 | Irrigation, Drainage and Water Management | 3 | Specialization |
| , (Fall) | ARAG445 ARAG485 | Senior Project | 3 | Training |
| d (raii) | ELECTIVE | Student choice | 3 | Major Elective |
| ar | | | 15 | |
| e | ARAG402 | Woody Plants in the Landscape | 3 | Concentration |
| ≻ 8 | ARAG452 | Landscape Design | 3 | Concentration |
| 0 | ARAG454 ARAG445 | Internship | 3 | Internship |
| | | | | internonip |
| (Spring) | | Student choice | 3 | Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts) |
| (Spring) | ELECTIVE | Student choice Student choice | 3 | Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts) Free Elective |

جامعة الإمارات العربيـة المتحدة United Arab Emirates University

Department of Integrative Agriculture

Bachelor of Science in Horticulture Model Study Plan (2022-2023 Cohort onwards) Concentration: Environment Horticulture

For Students Admitted to the University in the Spring Semester Total Degree Credit hours: 120

| Semester | Course Code | Course Title | СН | Course type |
|-------------|---------------------|---|----|---|
| | CHEM111 | General Chemistry I | 3 | Specialization |
| 1 | BIOC100 | Basic Biology I | 3 | Gen Ed Course (Cluster 3: Area 1: Natural Sciences) |
| 1 | ESPU106 | Introduction to Academic English For Food & Agriculture | 3 | Gen Ed Course (Cluster 1: Area 2: English Communication) |
| (Construct) | ISLM100/ISLM101 | Islamic Culture/Biography of the Prophet "Sira" | 3 | Gen Ed Course (Cluster 2: Area 4: Islamic Culture) |
| (Spring) | MATH105 | Calculus I | 3 | Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning) |
| | ARAG220 | Natural Resources | 3 | Specialization |
| | | | | |
| | HSS105 | Emirates Studies | 3 | Gen Ed Course (Cluster 2: Area 3: Emirates Society) |
| ~ | GESU121 | Sustainability | 3 | Gen Ed Course (Cluster 3: Area 2: Sustainability) |
| 2 | ARAG200 | Principles of Soil and Water | 3 | Specialization |
| (= 11) | ARAG307 | Introduction to Horticulture | 2 | Specialization |
| (Fall) | BIOL215 | Plant Biology | 3 | Specialization |
| · / | BIOL225 | Practical Plant Biology | 1 | Specialization |
| | DIOLEED | Hadded Halt Brotogy | - | openantation |
| | PHYS105 | General Physics I | 3 | College Requirement |
| 3 | CHEM282 | Organic Chemistry for Non-Majors | 3 | Specialization |
| 5 | ARAG310 | Agricultural Technology Transfer | 3 | Specialization |
| (Spring) | ARAG242 | Principles of Plant Protection | 3 | Specialization |
| (Spring) | GEIE222 | Fundamentals of Innovation and Entrepreneurship | 3 | Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurshi |
| | GEIEZZZ | Fundamentals of himovation and Entrepreneurship | 3 | Gen eu course (cluster 1. Area 1. Innovation and Entrepreneursm |
| | 4046211 | | 2 | Canadia Visatian |
| | ARAG311 | Plant Propagation | 2 | Specialization |
| 4 | CHEM283 | Biochemistry for Non-Majors | 3 | Specialization |
| • | ARAG327 | Plant Physiology and Environmental Stress | 3 | Specialization |
| (Fall) | BIOL270 | General Genetics | 2 | Specialization |
| (i uii) | ELECTIVE | Student choice | 3 | Major Elective |
| | ELECTIVE | Student choice | 3 | Minor Elective |
| | ARAG308 | Soil Fertility and Fertilizer | 3 | Specialization |
| 5 | STAT235 | Statistics for Biology | 3 | College Requirement |
| 5 | ARAG465 | | 2 | |
| (Coring) | | Salt and Drought Tolerant Plants | 2 | Specialization |
| (Spring) | GEIT112 ELECTIVE | Fourth Industrial Revolution | 3 | Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution) Minor Elective |
| | ELECTIVE | Student choice | 3 | Minor Elective |
| | 1010151 | | 2 | |
| C C | ARAG451 | Landscape Management for Arid Lands | 3 | Concentration |
| 6 | ELECTIVE | Student choice | 3 | Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences) |
| /= II) | ARAG443 | Irrigation, Drainage and Water Management | 3 | Specialization |
| (Fall) | ELECTIVE | Student choice | 3 | Major Elective |
| · / | ARAG453 | Indoor Plants and Flower Arrangements | 3 | Concentration |
| | 1010102 | | 2 | |
| 7 | ARAG402 | Woody Plants in the Landscape | 3 | Concentration |
| 7 | ARAG454 | Landscape Design | 3 | Concentration |
| | ELECTIVE | Student choice | 3 | Major Elective |
| (Spring) | PHI180 | Critical Thinking | 3 | Gen Ed Course (Cluster 1: Area 4: Critical Thinking) |
| ., 0, | ELECTIVE | Student choice | 3 | Free Elective |
| | | | | |
| 8 | ARAG445 | Internship | 3 | Internship |
| 0 | ARAG485 | Senior Project | 3 | Training |
| | ELECTIVE | Student choice | 3 | Free Elective |
| (Fall) | ELECTIVE | Student choice | 3 | Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts) |



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Department of Integrative Agriculture

Bachelor of Science in Horticulture Model Study Plan (2025-2026 Cohort onwards) **Concentration: Environment Horticulture**

For Students Admitted to the University in the Fall and Spring Semester Total Degree Credit hours: 120

| Semester | Course Code | Course Title | СН | Course type |
|-----------------|-------------|---|----|---|
| | CHEM111 | General Chemistry I | 3 | Specialization |
| 1 | BIOC100 | Basic Biology I | 3 | College Requirement |
| _ | GEAE101 | Academic English for Humanities and STEM | 3 | Gen, Ed. Theme 2: Academic Language Proficiency |
| 🕂 (Fall) | MATH105 | Calculus I | 3 | College Requirement |
| (ing i) Year | GESU121 | Sustainability | 3 | Gen. Ed. Theme 5: Sustainability |
| 0 | | | 15 | |
| - | PHYS105 | General Physics I | 3 | College Requirement |
| 2 | ARAG220 | Natural Resources | 3 | Specialization |
| | Elective | Student choice | 3 | Gen. Ed. Theme 4: Entrepreneurship |
| (Spring) | Elective | Student choice | 3 | Free Elective |
| (561.18) | Elective | Student choice | 3 | Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 |
| | | | 15 | |
| | GEEM110 | Contemporary Emirati Studies | 3 | Gen. Ed. Theme 1: UAE National Identity |
| 3 | CHEM282 | Organic Chemistry for Non-Majors | 3 | Specialization |
| 5 | ARAG200 | Principles of Soil and Water | 3 | Specialization |
| | ARAG307 | Introduction to Horticulture | 2 | Specialization |
| → (Fall) | BIOL215 | Plant Biology | 3 | Specialization |
| <u> </u> | BIOL225 | Practical Plant Biology | 1 | Specialization |
| | | | 15 | |
| · | STAT235 | Statistics for Biology | 3 | College Requirement |
| 4 | ARAG242 | Principles of Plant Protection | 3 | Specialization |
| • | ARAG310 | Agricultural Technology Transfer | 3 | Specialization |
| (Spring) | GEIT113 | Introduction to Artificial Intelligence | 3 | Gen. Ed. Theme 3: Innovation |
| (000.00) | Elective | Student choice | 3 | Major Elective |
| | | | 15 | |
| | ARAG311 | Plant Propagation | 2 | Specialization |
| 5 | CHEM283 | Biochemistry for Non-Majors | 3 | Specialization |
| J | ARAG327 | Plant Physiology and Environmental Stress | 3 | Specialization |
| " (Fall) | BIOL270 | General Genetics | 2 | Specialization |
| т (Ган) | Elective | Student choice | 3 | Major Elective |
| | Elective | Student choice | 3 | Elective Concentration |
| ea | | | 16 | |
| ~ | ARAG308 | Soil Fertility and Fertilizer | 3 | Specialization |
| 6 | ARAG321 | Floriculture Crop Production | 3 | Specialization |
| 0 | ARAG465 | Salt and Drought Tolerant Plants | 2 | Specialization |
| (Spring) | Elective | Student choice | 3 | Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 |
| (Shing) | Elective | Student choice | 3 | Major Elective |
| | Elective | Student choice | 3 | Elective Concentration |
| | | | 17 | |
| - | ARAG451 | Landscape Management for Arid Lands | 3 | Concentration |
| 7 | ARAG453 | Indoor Plants and Flower Arrangements | 3 | Concentration |
| | ARAG443 | Irrigation, Drainage and Water Management | 3 | Specialization |
| , (Fall) | ARAG485 | Senior Project | 3 | Training |
| | Elective | Student choice | 3 | Major Elective |
| Year | | | 15 | |
| ≻ _ | ARAG402 | Woody Plants in the Landscape | 3 | Concentration |
| 8 | ARAG454 | Landscape Design | 3 | Concentration |
| | ARAG445 | Internship | 3 | Internship |
| (Spring) | Elective | Student choice | 3 | Free Elective |
| | | | | |
| | | | 12 | |



Bachelor of Science in Horticulture Model Study Plan (2025-2026 Cohort onwards) Concentration: Crop Production and Organic Farming

For Students Admitted to the University in the Fall and Spring Semester т

| otal Degree Credit hours: 120 |
|-------------------------------|
|-------------------------------|

| Semester | Course Code | Course Title | СН | Course type |
|---|--|--|---|--|
| | CHEM111 | General Chemistry I | 3 | Specialization |
| 1 | BIOC100 | Basic Biology I | 3 | College Requirement |
| | GEAE101 | Academic English for Humanities and STEM | 3 | Gen, Ed. Theme 2: Academic Language Proficiency |
| ⊣ (Fall) | MATH105 | Islamic Culture/Biography of the Prophet "Sira" | 3 | College Requirement |
| | GESU121 | Sustainability | 3 | Gen. Ed. Theme 5: Sustainability |
| ear | | | 15 | |
| ≻ | PHYS105 | General Physics I | 3 | College Requirement |
| 2 | ARAG220 | Natural Resources | 3 | Specialization |
| | Elective | Student choice | 3 | Gen. Ed. Theme 4: Entrepreneurship |
| (Spring) | Elective | Student choice | 3 | Free Elective |
| (001.0) | Elective | Student choice | 3 | Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 |
| | | | 15 | |
| | GEEM110 | Contemporary Emirati Studies | 3 | Gen. Ed. Theme 1: UAE National Identity |
| 3 | CHEM282 | Organic Chemistry for Non-Majors | 3 | Specialization |
| 5 | ARAG200 | Principles of Soil and Water | 3 | Specialization |
| (Fall) | ARAG307 | Introduction to Horticulture | 2 | Specialization |
| (raii) | BIOL215 | Plant Biology | 3 | Specialization |
| a (ran) | BIOL225 | Practical Plant Biology | 1 | Specialization |
| ► | | | 15 | |
| | STAT235 | Statistics for Biology | 3 | College Requirement |
| 4 | ARAG242 | Principles of Plant Protection | 3 | Specialization |
| | ARAG310 | Agricultural Technology Transfer | 3 | Specialization |
| (Spring) | GEIT113 | Introduction to Artificial Intelligence | 3 | Gen. Ed. Theme 3: Innovation |
| (1 0/ | Elective | Student choice | 3 | Major Elective |
| | | | 15 | |
| | | | | |
| _ | ARAG311 CHEM283 | Plant Propagation Biochemistry for Non-Majors | 2 | Specialization Specialization |
| 5 | CHEM283 | Biochemistry for Non-Majors | 3 | Specialization |
| _ | CHEM283 ARAG327 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress | 3 | Specialization Specialization |
| _ | CHEM283 ARAG327 BIOL270 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics | 3 3 2 | Specialization Specialization Specialization |
| _ | CHEM283 ARAG327 BIOL270 Elective | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice | 3 3 2 3 | Specialization Specialization Specialization Major Elective |
| - | CHEM283 ARAG327 BIOL270 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics | 3 3 2 | Specialization Specialization Specialization |
| _ | CHEM283 ARAG327 BIOL270 Elective | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Student choice | 3 3 2 3 3 3 | Specialization Specialization Specialization Major Elective |
| (Fall) | CHEM283 ARAG327 BIOL270 Elective Elective | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Student choice Soil Fertility and Fertilizer | 3 3 2 3 3 16 | Specialization Specialization Specialization Major Elective Elective Concentration |
| _ | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Student choice | 3 3 2 3 3 16 3 | Specialization Specialization Specialization Major Elective Elective Concentration Specialization |
| (Fall) 6 | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture | 3 3 2 3 3 16 3 3 3 | Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization |
| (Fall) 6 (Spring) | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 Elective | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants | 3 3 2 3 3 16 3 3 3 2 | Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Specialization |
| (Fall) 6 (Spring) | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice | 3 3 2 3 3 16 3 3 3 2 2 3 | Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 |
| (Fall) 6 (Spring) | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 Elective Elective Elective | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice | 3 3 2 3 3 16 3 | Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective |
| (Fall) 6 (Spring) | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 Elective Elective Elective | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice | 3 3 2 3 3 16 3 3 3 2 2 3 3 3 3 3 | Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective |
| (Fall) 6 (Spring) | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG405 Elective Elective Elective ARAG407 ARAG410 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice | 3 3 2 3 16 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective Elective Concentration |
| (Fall) 6 (Spring) 7 | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 Elective Elective Elective Elective ARAG407 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice Student choice Design of Organic Production System | 3 3 2 3 16 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 17 3 | Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective Elective Concentration Concentration Concentration |
| (Fall) 6 (Spring) 7 | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 Elective Elective Elective Elective ARAG407 ARAG410 ARAG443 ARAG485 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice Student choice Student choice Design of Organic Production System Fruit Production in Arid Lands Irrigation, Drainage and Water Management Senior Project | 3 | Specialization Specialization Specialization Specialization Specialization Specialization Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective Elective Concentration Concentration Concentration Concentration Training |
| (Fall) 6 (Spring) 7 | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 Elective Elective Elective ARAG407 ARAG410 ARAG443 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice Student choice Design of Organic Production System Fruit Production in Arid Lands Irrigation, Drainage and Water Management | 3 3 3 16 3 2 3 | Specialization Specialization Specialization Specialization Specialization Specialization Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective Elective Elective Concentration Concentration Specialization Specialization |
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| (Fall) 6 (Spring) 7 (Fall) | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 Elective Elective Elective Elective ARAG407 ARAG404 ARAG404 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice Student choice Design of Organic Production System Fruit Production in Arid Lands Irrigation, Drainage and Water Management Senior Project Student choice Vegetable Production in Arid Lands | 3 3 <td< td=""><td>Specialization Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective Elective Concentration Concentration Concentration Specialization Specialization Specialization Concentration Concentration Concentration Specialization Training Major Elective Concentration</td></td<> | Specialization Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective Elective Concentration Concentration Concentration Specialization Specialization Specialization Concentration Concentration Concentration Specialization Training Major Elective Concentration |
| (Fall) 6 (Spring) 7 | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 Elective Elective Elective Elective ARAG407 ARAG407 ARAG43 ARAG443 ARAG404 ARAG452 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice Design of Organic Production System Fruit Production in Arid Lands Irrigation, Drainage and Water Management Senior Project Student choice Vegetable Production in Arid Lands Palms and Dates | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | Specialization Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective Elective Concentration Concentration Concentration Training Major Elective Concentration Concentration Concentration |
| (Fall) 6 (Spring) 7 (Fall) 8 | CHEM283 ARAG327 BIOL270 Elective Elective Elective Elective Elective Elective Elective Elective ARAG407 ARAG407 ARAG403 ARAG443 ARAG485 Elective ARAG404 ARAG404 ARAG452 ARAG445 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice Design of Organic Production System Fruit Production in Arid Lands Irrigation, Drainage and Water Management Senior Project Student choice Vegetable Production in Arid Lands Palms and Dates Internship | 3 3 2 3 3 16 3 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | Specialization Specialization Specialization Specialization Specialization Specialization Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective Elective Concentration Concentration Specialization Training Major Elective Concentration Concentration Major Elective Concentration Major Elective Concentration Major Elective Concentration Major Elective Concentration C |
| (Fall) 6 (Spring) 7 (Fall) 8 | CHEM283 ARAG327 BIOL270 Elective Elective ARAG308 ARAG305 ARAG465 Elective Elective Elective Elective ARAG407 ARAG407 ARAG43 ARAG443 ARAG404 ARAG452 | Biochemistry for Non-Majors Plant Physiology and Environmental Stress General Genetics Student choice Soil Fertility and Fertilizer Principles of Organic Horticulture Salt and Drought Tolerant Plants Student choice Student choice Design of Organic Production System Fruit Production in Arid Lands Irrigation, Drainage and Water Management Senior Project Student choice Vegetable Production in Arid Lands Palms and Dates | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | Specialization Specialization Specialization Specialization Major Elective Elective Concentration Specialization Specialization Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 Major Elective Elective Concentration Concentration Concentration Training Major Elective Concentration Concentration Concentration |