

Sample Plan: MTH 103 placement

| | Fall | | Winter | | Spring | | Academic & Career Opportunities |
|--------------------|--|-----------------------|---|-----------------------|--|-----------------------|---|
| First Year | BI 198: Freshman Seminar MTH 103: Algebraic Reasoning WR 121z: English Composition Literature & Arts – Bacc Core Cultural Diversity – Bacc Core | 1 4 4 3 3 | BI 197: Health Professions Seminar (take instead of BI 198 if you are pre-health) MTH 111z: College Algebra WR 227z: Technical Writing COMM 111z: Public Speaking Western Culture – Bacc Core | 4 3 4 4 | MTH 112z: Elementary Functions Social Process & Institutions – Bacc Core Difference, Power, & Discrimination – Bacc Core HHS 231: Lifetime Fitness Bacc Core PAC – Bacc Core Fitness | 4 4 3 2 1 | -Do Cascades Edge Career Development tasks each term -Check out resources for student wellness , time management and study skills -Explore biology career pathways -Considering pre-med? Check out the College of Science's pre-med guide . |
| | Total Credits | 15 | Total Credits | 15 | Total Credits | 14 | |
| Second Year | BI 221: Principles of Biology: Cells CH 231: General Chemistry CH 261: General Chemistry Lab MTH 251: Differential Calculus | 4 4 1 4 | BI 222: Principles of Biology: Organisms CH 232: General Chemistry CH 262: General Chemistry Lab MTH 252: Integral Calculus Elective | 4 4 1 4 4 | BI 223: Principles of Biology: Populations CH 233: General Chemistry CH 263: General Chemistry Lab Elective Z 349: Biodiversity or other Contemporary Global Issues | 4 4 1 4 3 | -Complete Cascades Edge Year 2 Career Development -Seek out volunteer, research, internship, job shadowing or study abroad experiences in areas that interest you/align with your goals -Research graduate programs -Get to know your professors -Meet with your advisor to plan when you will take grad school prerequisites if applicable |
| | Total Credits | 13 | Total Credits | 16 | Total Credits | 16 | |
| Third Year | CH 331: Organic Chemistry BI 311: Genetics ST 351: Intro. to Statistical Methods Biology Elective BB 332: Molecular Medicine – Biology & Society Option or other Science, Tech, & Society | 4 4 4 4 | CH 332: Organic Chemistry BI 370: Ecology ST 352: Intro. to Statistical Methods BB 314: Cell & Molecular Biology | 4 3 4 4 | CH 337: Organic Chemistry Lab BI 445: Evolution MB 302: General Microbiology MB 303: General Microbiology Lab Biology Writing Intensive: BI 319: Theory & Discourse OR BI 371: Ecological Methods OR MB 385: Emerging Diseases | 4 3 2 3 | -Continue Cascades Edge Career activities. -Continue researching grad program requirements, identify target grad programs and begin the application prep process -Gain experience in your chosen field through internships and other opportunities -Network/build professional relationships |
| | Total Credits | 16 | Total Credits | 15 | Total Credits | 15 | |
| Fourth Year | PH 201: General Physics BB 450: Biochemistry Z 423: Environmental Physiology Electives Experiential Learning, Integrative Biology Course, or complete option Major courses above not yet completed Complete 180 credits, 60 upper division | 5 4 3 | PH 202: General Physics BB 451: Biochemistry Electives MB 330: Disease & Society – Biology & Society Option Experiential Learning, Integrative Biology Course, or complete option Major courses above not yet completed Complete 180 credits, 60 upper division | 5 3 3 | PH 203: General Physics Z 371: Vertebrate Biology Z 372: Vertebrate Biology Lab BI 498: Senior Biology Field Test Electives Experiential Learning, Integrative Biology Course, or complete option Major courses above not yet completed Complete 180 credits, 60 upper division | 5 3 2 0 | -Complete Year 4 Career Development -Contact professors you're close with for reference letters -Apply to grad school by deadlines (if applicable) -Begin job search, develop resume, continue connecting with Career Development Center -Plan for Commencement Ceremony and celebrations in June! |
| | Total Credits | 15 | Total Credits | 15 | Total Credits | 15 | TOTAL NEEDED: 180 credits, 60 upper-division |

Sample Plan: MTH 111z or MTH 112z placement

| | Fall | | Winter | | Spring | | Academic & Career Opportunities |
|-------------|---|-----------------------|--|-----------------------|---|----------------------------|---|
| First Year | BI 198: Freshman Seminar CH 231: General Chemistry CH 261: General Chemistry Lab WR 121z: English Composition Literature & Arts – Bacc Core MTH 111z: College Algebra | 1 4 1 4 3 | COMM 111z: Public Speaking CH 232: General Chemistry CH 262: General Chemistry Lab WR 227z: Technical Writing MTH 112z: Elementary Functions | 4 4 1 3 4 | Social Process & Institutions – Bacc Core CH 233: General Chemistry CH 263: General Chemistry Lab HHS 231: Lifetime Fitness Bacc Core PAC – Bacc Core Fitness Elective | 4 4 1 2 1 3 | -Do Cascades Edge Career Development tasks each term -Check out resources for student wellness , time management and study skills -Explore biology career pathways -Considering pre-med? Check out the College of Science's pre-med guide . |
| | Total Credits | 15 | Total Credits | 16 | Total Credits | 15 | |
| Second Year | BI 221: Principles of Biology: Cells CH 331: Organic Chemistry MTH 251: Differential Calculus Cultural Diversity – Bacc Core | 4 4 4 3 | BI 222: Principles of Biology: Organisms CH 332: Organic Chemistry MTH 252: Integral Calculus Western Culture – Bacc Core | 4 4 4 4 | BI 223: Principles of Biology: Populations Elective CH 337: Organic Chemistry Lab Difference, Power, & Discrimination – Bacc Core Z 349: Biodiversity or other Contemporary Global Issues | 4 4 4 4 3 | -Complete Cascades Edge Year 2 Career Development -Seek out volunteer, research, internship, job shadowing or study abroad experiences in areas that interest you/align with your goals -Research graduate programs -Get to know your professors -Meet with your advisor to plan when you will take grad school prerequisites if applicable |
| | Total Credits | 15 | Total Credits | 16 | Total Credits | 15 | |
| Third Year | BI 311: Genetics ST 351: Intro. to Statistical Methods Biology Elective BB 332: Molecular Medicine – Biology & Society Option/Science, Tech, & Society | 4 4 4 4 | BI 370: Ecology ST 352: Intro. to Statistical Methods BB 314: Cell & Molecular Biology MB 330: Disease & Society – Biology & Society Option | 4 4 4 3 | BI 445: Evolution MB 302: General Microbiology MB 303: General Microbiology Lab Biology Writing Intensive: BI 319: Theory & Discourse OR BI 371: Ecological Methods OR MB 385: Emerging Diseases | 4 3 2 3 3 | -Continue Cascades Edge Career activities. -Identify target grad programs and begin the application prep process -Gain experience in your chosen field through internships and other opportunities -Network/build professional relationships |
| | Total Credits | 16 | Total Credits | 15 | Total Credits | 12 | |
| Fourth Year | PH 201: General Physics BB 450: Biochemistry Z 423: Environmental Physiology Experiential Learning, Integrative Biology Course, or complete option Major courses above not yet completed Electives | 5 4 3 | PH 202: General Physics BB 451: Biochemistry Experiential Learning, Integrative Biology Course, or complete option Major courses above not yet completed Electives (if needed) | 5 3 | PH 203: General Physics Z 371: Vertebrate Biology Z 372: Vertebrate Biology Lab BI 498: Senior Biology Field Test Experiential Learning, Integrative Biology Course, or complete option Major courses above not yet completed Electives | 5 3 2 0 | -Complete Year 4 Career Development -Contact professors you're close with for reference letters -Apply to grad school by deadlines (if applicable) -Begin job search, develop resume, continue connecting with Career Development Center -Plan for Commencement Ceremony in June! |
| | Total Credits | 15 | Total Credits | 15 | Total Credits | 15 | TOTAL NEEDED: 180 credits, 60 upper-division |

This is a sample schedule intended for informational purposes only. Students should consult with their OSU academic advisor to create a personalized degree plan.

Sample Plan: MTH 251 placement

| | Fall | | Winter | | Spring | | Academic & Career Opportunities |
|--------------------|--|-----------------------|---|----------------------------|---|-----------------------|---|
| First Year | BI 198: Freshman Seminar BI 221: Principles of Biology: Cells CH 231: General Chemistry CH 261: General Chemistry Lab WR 121z: English Composition HHS 231: Lifetime Fitness for Health Bacc Core | 1 4 1 4 3 | BI 222: Principles of Biology: Organisms CH 232: General Chemistry CH 262: General Chemistry Lab MTH 251: Differential Calculus WR 227z: Technical Writing PAC – Bacc Core Fitness | 4 4 1 4 3 1 | BI 223: Principles of Biology: Populations CH 233: General Chemistry CH 263: General Chemistry Lab MTH 252: Integral Calculus Literature & Arts – Bacc Core | 4 4 1 4 3 | -Do Cascades Edge Career Development tasks each term -Check out resources for student wellness , time management and study skills -Explore biology career pathways -Considering pre-med? Check out the College of Science's pre-med guide . |
| | Total Credits | 15 | Total Credits | 16 | Total Credits | 16 | |
| Second Year | CH 331: Organic Chemistry BI 311: Genetics Cultural Diversity – Bacc Core COMM 111z: Public Speaking | 4 4 4 4 | CH 332: Organic Chemistry BI 370: Ecology BB 314: Cell & Molecular Biology Western Culture – Bacc Core | 4 4 4 4 | CH 337: Organic Chemistry Lab BI 445: Evolution MB 302: General Microbiology MB 303: General Microbiology Lab Difference, Power, & Discrimination – Bacc Core Z 349: <i>Biodiversity or other Contemporary Global Issues</i> | 4 4 3 2 3 | -Complete Cascades Edge Year 2 Career Development -Seek out volunteer, research, internship, job shadowing or study abroad experiences in areas that interest you/align with your goals -Research graduate programs -Get to know your professors -Meet with your advisor to plan when you will take grad school prerequisites if applicable |
| | Total Credits | 16 | Total Credits | 16 | Total Credits | 16 | |
| Third Year | PH 201: General Physics BB 450: Biochemistry ST 351: Intro. to Statistical Methods Biology Elective BB 332: <i>Molecular Medicine – Biology & Society Option/Science, Tech, & Society</i> | 4 4 4 4 | PH 202: General Physics BB 451: Biochemistry ST 352: Intro. to Statistical Methods MB 330: <i>Disease & Society – Biology & Society Option</i> | 4 4 4 3 | PH 203: General Physics Z 371: Vertebrate Biology Z 372: Vertebrate Biology Lab Biology Writing Intensive: <i>BI 319: Theory & Discourse OR BI 371: Ecological Methods OR MB 385: Emerging Diseases</i> | 4 3 2 3 3 | -Continue Cascades Edge Career activities. -Identify target grad programs and begin the application prep process -Gain experience in your chosen field through internships and other opportunities -Network/build professional relationships |
| | Total Credits | 16 | Total Credits | 15 | Total Credits | 12 | |
| Fourth Year | Z 423: Environmental Physiology Experiential Learning, Integrative Biology Course, or complete option Major courses above not yet completed Electives (if needed) | 5 4 3 | Experiential Learning, Integrative Biology Course, or complete option Major courses above not yet completed Electives (if needed) | 5 3 | BI 498: Senior Biology Field Test Experiential Learning, Integrative Biology Course, or complete option Major courses above not yet completed Electives (if needed) | 0 | -Complete Year 4 Career Development -Contact professors you're close with for reference letters -Apply to grad school by deadlines -Begin job search, develop resume, continue connecting with Career Development Center -Plan for Commencement Ceremony and celebrations in June! |
| | Total Credits | 15 | Total Credits | 15 | Total Credits | 14 | TOTAL NEEDED: 180 credits, 60 upper division |

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