**2016-2017** **Houghton College Degree Audit Sheet**

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| Student: | **Minimum 124 semester hours required for graduation**<br>**18 of the last 24 hours must be at Houghton**<br>**Must have 30 hours at Houghton**<br>**One half of major must be at Houghton**<br>*Must have C- or above in each course to meet Major, Concentration, or Minor credit*<br>*Must have 62 liberal arts credits for BS degree or 93 liberal arts credits for a BA degree* |
| Major: **Biochemistry** | |
| Minor: | |
| **BA/BS** Advisor: | |

| ***Biochemistry Major*** | ***(70 – 75 hrs)*** | | |
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| ***Integrative Studies*** *(see IS Audit Sheet – Creation: Lab Science and 2nd Creation met by major)* | | | |
| ***Pre-Requisites*** | **12 hrs** | | |
| (4) Gen. Biology: Cellular Biology and Genetics | LA | (4) General Chemistry II | LA |
| (4) General Chemistry I | LA | | |
| ***Co-Requisites*** | **19-24 hrs** | | |
| (4) Programming I | LA | (3-4) Statistics* (IS – Quantitative Literacy Competency) | LA |
| (4) General Physics I | LA | (4) General Physics II | LA |
| (4/4,4) Calculus I ***OR*** Calculus I with Pre-calculus A ***&*** B ***OR*** Calculus for Life Sciences A ***&*** B | LA | | |
| ***Half of credits listed below must be taken at Houghton*** | | | |
| ***Required Core Courses*** | **39 hrs** | | |
| (4) Organic Chemistry I | LA | (4) Organic Chemistry II | LA |
| (4) Chemical Instrumental Research | LA | (4) Genetics | LA |
| (4) Molecular and Cell Biology | LA | (2) Chemistry Special Topics | LA |
| (3) Biochemistry I | LA | (1) Biochemistry Lab I | LA |
| (3) Biochemistry II | LA | (1) Biochemistry Lab II | LA |
| (3) Physical Principles | LA | (4) Biology Elective | LA |
| (1) Senior Capstone: Seminar in Biochemistry | LA | (1) STEM Career Seminar | |
| ***Research strongly encouraged*** | | | |