### Requirements for the Minor in the History and Philosophy of Science

Students pursuing a minor in the History and Philosophy of Science should use this worksheet to plan their course of study, in consultation with one of several faculty advisors:
- Richard Beyler, History (503-725-3996, beylerr@pdx.edu)
- Michael Flower, Center for Science Education / Honors College (503-725-5362, flowerm@pdx.edu)
- Tom Seppalainen, Philosophy (503-725-3519, seppalt@pdx.edu)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HST 387</td>
<td>History of Modern Science</td>
<td>4</td>
</tr>
<tr>
<td>PHL 470</td>
<td>Philosophy of Science or PHL 471: Topics in Philosophy of Science</td>
<td>4</td>
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*Two courses are required of all students minoring in the History and Philosophy of Science.*

**Elective courses:**

Six elective courses chosen from the following:

- ANTH 325: Culture, Health, and Healing
- ANTH 414: Culture and Ecology
- BI/WS 346U: Genes and Society
- CH 170: Fundamentals of Environmental Chemistry
- CH 360: Origins of Life on Earth
- CS 346U/SySc 346U: Exploring Complexity in Science and Technology
- EC 460: History of Economic Thought
- ESM 330: Environmental and Ecological Literacy
- G 333: Evolutionary Concepts I
- GEOG 347U: Environmental Issues and Action
- GEOG 366U: Historical Geography of North America
- HST 427: Topics in the History of Science (may be repeated under different topic)
- HST 434: US Social and Intellectual History
- HST 440: American Environmental History
- HST 460: Topics in European Intellectual History (may be repeated under different topic)
- MTH 486: Topics in the History of Mathematics
- PHL 301U: Ancient Philosophy
- PHL 303: Early Modern Philosophy
- PHL 305U: Analytic Philosophy
- PHL 306U: Science and Pseudoscience
- PHL 307U: Science and Society
- PHL 318U: Philosophy of Medicine
- PHL 470: Philosophy of Science (if not taken as core course)
- PHL 471: Topics in the Philosophy of Science (if not taken as core course)
- PS 319: Politics of the Environment
- SCI 321U: Energy and Society
- SCI/WS 347U: Science, Gender, and Social Context I
- SCI/WS 348U: Science, Gender, and Social Context II
- SCI 355U: Science through Science Fiction
- SCI 359U: Biopolitics
- SCI 361U: Science: Power-Knowledge
- SOC 459: Sociology of Health and Medicine

*HST 387: History of Modern Science  PHL 470 or PHL 471: Topics in Philosophy of Science (elective)*  4 credits

*A total of at least 32 credits is required for the minor in the History and Philosophy of Science. All courses must be graded A through F (pass/no pass option is not acceptable) and all courses must be passed with a grade of C- or higher. The total must be at least 32 credits.*

*These requirements are for coursework other than that used to fulfill the distribution requirements for the B.A. or B.S. degree, for University Studies, or for the major.*

*Please take note of any prerequisites established by the respective departments.*