The combined major in Health Science and Business Administration provides students at Northeastern with an opportunity to study a curriculum that is synergetic with the growing field of health care. This academic combination will provide students with the knowledge and expertise needed to enter a multitude of careers upon graduation. The degree will allow students the unique opportunity to better understand the business side of the health care industry in Massachusetts, which is home to some of the best hospitals and medical research companies in the country. The field is compatible with all the undergraduate concentrations in the School of Business and prepares students to enter the workforce after graduation.

### Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

#### University-Wide Requirements

All undergraduate students are required to complete the University-Wide Requirements ([http://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements](http://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements)).

#### NUpath Requirements

All undergraduate students are required to complete the NUpath Requirements ([http://catalog.northeastern.edu/undergraduate/university-academics/nupath](http://catalog.northeastern.edu/undergraduate/university-academics/nupath)).

### Health Science Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>PHTH 1260</td>
<td>The American Healthcare System</td>
<td>4</td>
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<tr>
<td>or PHTH 1261</td>
<td>Comparative Healthcare Systems</td>
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<tr>
<td>PHTH 2300</td>
<td>Communication Skills for the Health Professions</td>
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<tr>
<td>or PHTH 2301</td>
<td>Communication Skills for the Health Professions—Global</td>
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<tr>
<td>PHTH 2350</td>
<td>Community and Public Health</td>
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<tr>
<td>or PHTH 2351</td>
<td>Community and Public Health - Global</td>
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<td>PHTH 2515</td>
<td>Healthcare Policy and Administration</td>
<td>4</td>
</tr>
<tr>
<td>PHTH 4120</td>
<td>Global Perspectives on Discrimination and Health</td>
<td>4</td>
</tr>
<tr>
<td>PHTH 4540</td>
<td>Health Education and Program Planning</td>
<td>4</td>
</tr>
<tr>
<td>HLTH 5450</td>
<td>Healthcare Research</td>
<td>4</td>
</tr>
<tr>
<td>or PHTH 4202</td>
<td>Principles of Epidemiology in Medicine and Public Health</td>
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### Life Sciences Core

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<tr>
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<td>General Biology 1 and Lab for BIOL 1111</td>
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<td>BIOL 1113</td>
<td>General Biology 2 and Lab for BIOL 1113</td>
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<td>CHEM 1211</td>
<td>General Chemistry 1 and Lab for CHEM 1211</td>
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<tr>
<td>and CHEM 1212</td>
<td>and Lab for CHEM 1212</td>
<td></td>
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<tr>
<td>and CHEM 1213</td>
<td>and Recitation for CHEM 1211</td>
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### Business Administration Requirements

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<th>Code</th>
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<tr>
<td>ACCT 1201</td>
<td>Financial Accounting and Reporting</td>
<td>4</td>
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<tr>
<td>ACCT 2301</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>FINA 2201</td>
<td>Financial Management</td>
<td>4</td>
</tr>
<tr>
<td>INTB 1203</td>
<td>International Business and Global Social Responsibility</td>
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</table>

### Business Electives

Complete two of the following:

- MISM 2301 Management Information Systems
- MKTG 2201 Introduction to Marketing
- SCHM 2301 Supply Chain and Operations Management
- ORGB 3201 Organizational Behavior

### Supporting Courses for Business

Complete one of the following:

- ECON 1115 Principles of Macroeconomics
- or ECON 1116 Principles of Microeconomics

### Business Concentration

Complete one of the following concentrations. Requirements for the concentrations are listed below. (p. 2)

- Accounting (p. )
- Entrepreneurship and New Venture Management (p. )
- Finance (p. )
- International Business ([http://catalog.northeastern.edu/undergraduate/business/concentrations/international-business](http://catalog.northeastern.edu/undergraduate/business/concentrations/international-business)) (available only as a second concentration)
- Management (p. )
- Management Information Systems (p. )
- Marketing (p. )
- Marketing Analytics ([http://catalog.northeastern.edu/undergraduate/business/concentrations/marketing-analytics](http://catalog.northeastern.edu/undergraduate/business/concentrations/marketing-analytics))
- Supply Chain Management (p. )

### Supporting Courses

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<tr>
<td>HSCI 1000</td>
<td>College: An Introduction</td>
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<tr>
<td>or BUSN 1102</td>
<td>Personal Skill Development for Business</td>
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<tr>
<td>MATH 1231</td>
<td>Calculus for Business and Economics</td>
<td>4</td>
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<tr>
<td>or MATH 1241</td>
<td>Calculus 1</td>
<td></td>
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</table>
Statistics
PHTH 2210 Foundations of Biostatistics 4
or MGSC 2301 Business Statistics

Co-op Preparation
Complete one of the following: 1
BUSN 1103 Professional Development for Business Co-op
HSCI 2000 Professional Development for Bouvé Co-op

Capstone
Complete one of the following: 4
STRT 4501 Strategy in Action
HSCI 4720 Health Science Capstone—Service (Prerequisite course HSCI 4700)
HSCI 4730 Health Science Capstone—Research (Prerequisite course HSCI 4700)

Integrative Requirement
Code Title Hours
MGMT 3340 Healthcare Management, Innovation, and Design 4

Required General Electives
Code Title Hours
Complete at least 6 credits of general electives 6

Business GPA Requirement
A minimum 2.000 GPA is required in all business courses.

Health Sciences Major Requirement
A grade of C or higher is required for all BIOL, CHEM, HLTH, HSCI, MATH, and PHTH courses.

Program Requirement
134 total semester hours required

Business Concentrations

CONCENTRATION IN ACCOUNTING

Code Title Hours
Required Courses
ACCT 3401 Financial Reporting and Analysis 1 4
ACCT 4501 Financial Reporting and Analysis 2 4

Electives
Complete two of the following: 8
ACCT 3403 Advisory Services and Emerging Accounting Systems
ACCT 3416 Strategic Cost Analysis for Decision Making
ACCT 4412 Auditing and Other Assurance Services
ACCT 4414 Income Tax Determination and Planning

CONCENTRATION IN ENTREPRENEURSHIP AND INNOVATION

Code Title Hours
Note: The following courses do not count toward this concentration:
ENTR 1201 The Entrepreneurial Universe

ENTR 3308 Business Economic History of South Africa
ENTR 3318...
ENTR 4514 Development Practice and Global Citizenship in India

Introductory Course
ENTR 2301 Innovation! 4
or ENTR 2303 Entrepreneurial Marketing and Selling

Capstone Course
Complete one of the following: 4
ENTR 4501 Business Planning for Technology Ventures
ENTR 4503 Business Planning for Small and Medium Enterprises
ENTR 4505 Entrepreneurial Growth Strategy for Technology Ventures
ENTR 4506 Advanced Studies in Social Enterprise

Electives
Note: Only one non–ENTR course may be used as an elective.
Complete two of the following: 8
ENTR 2206 Global Social Enterprise
ENTR 2215 Understanding Family Enterprise
ENTR 2414 Social Responsibility of Business in an Age of Inequality
ENTR 2301 Innovation! (if not used as introductory course)
ENTR 2303 Entrepreneurial Marketing and Selling (if not used for introductory course)
ENTR 3212 Innovation for Social Change
ENTR 3217 Global Family Business Leadership
ENTR 3220 International Entrepreneurship and Innovation Consulting
ENTR 3305 Entrepreneurial Strategy and Business Model Design
ENTR 3306 Global Entrepreneurship
ENTR 3330 Lean Design and Development for Entrepreneurs
ENTR 3401 Management of Operations and Growth in Small- and Medium-Sized Enterprises
ENTR 3403 Managing Operations in a Technology-Based Startup Firm
ENTR 3520 Impact Investing and Social Finance
ENTR 4225 Growth, Acquisitions, and Alliances
ENTR 4512 Social Entrepreneurship and Sustainable Development in India
FINA 4610 Entrepreneurial Finance, Innovation Valuation, and Private Equity
MGMT 3302 Negotiating in Business
### CONCENTRATION IN FINANCE

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<tbody>
<tr>
<td>FINA 3301</td>
<td>Corporate Finance</td>
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<tr>
<td>or FINA 3303</td>
<td>Investments</td>
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**Electives**

Complete three of the following:

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<tr>
<td>ENTR 3520</td>
<td>Impact Investing and Social Finance</td>
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<tr>
<td>or FINA 2720</td>
<td>Sustainability in the Business Environment</td>
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<tr>
<td>FINA 3301</td>
<td>Corporate Finance (if not selected as a required course)</td>
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<tr>
<td>FINA 3303</td>
<td>Investments (if not selected as a required course)</td>
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<tr>
<td>FINA 4219</td>
<td>Portfolio Management</td>
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<td>FINA 4220</td>
<td>Behavioral Finance</td>
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<td>FINA 4310</td>
<td>Working Capital Management</td>
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<td>FINA 4312</td>
<td>Issues in Corporate Governance</td>
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<td>FINA 4320</td>
<td>International Financial Management</td>
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<tr>
<td>FINA 4370</td>
<td>Financial Modeling</td>
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<td>FINA 4380</td>
<td>Financial Data Analytics with Python</td>
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<tr>
<td>FINA 4410</td>
<td>Valuation and Value Creation</td>
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<tr>
<td>FINA 4412</td>
<td>Personal Financial Planning</td>
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<tr>
<td>FINA 4420</td>
<td>Mergers and Acquisitions</td>
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<td>FINA 4512</td>
<td>Financial Risk Management</td>
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<tr>
<td>FINA 4514</td>
<td>Investment Banking</td>
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<td>FINA 4516</td>
<td>Real Estate Finance</td>
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<tr>
<td>FINA 4524</td>
<td>Credit Analysis</td>
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<td>FINA 4526</td>
<td>Core Topics in Alternative Investments</td>
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<td>FINA 4983</td>
<td>Special Topics in Finance</td>
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<td>FINA 4602</td>
<td>Turnaround Management</td>
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<td>FINA 4604</td>
<td>Fixed-Income Securities</td>
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<td>FINA 4608</td>
<td>Advanced Financial Strategy</td>
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<tr>
<td>FINA 4610</td>
<td>Entrepreneurial Finance, Innovation</td>
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<tr>
<td></td>
<td>Valuation, and Private Equity</td>
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### CONCENTRATION IN MANAGEMENT INFORMATION SYSTEMS

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MISM 3403</td>
<td>Data Management in the Enterprise</td>
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<tr>
<td>MISM 4501</td>
<td>Business Systems Integration</td>
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**Electives**

Note: Only one non-MISM course may be used as an elective.

Complete two of the following:

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<tbody>
<tr>
<td>MISM 2510</td>
<td>Fundamentals of Information Analytics</td>
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<tr>
<td>MISM 3305</td>
<td>Information Resource Management</td>
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<tr>
<td>MISM 3404</td>
<td>Data Communications</td>
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<td>MISM 3406</td>
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<td>MISM 3501</td>
<td>Information Visualization for Business</td>
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<tr>
<td>MISM 3515</td>
<td>Data Mining for Business</td>
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<tr>
<td>MKTG 4508</td>
<td>Digital Marketing</td>
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<tr>
<td>SCHM 3301</td>
<td>Global Supply Chain Strategy</td>
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<tr>
<td>SCHM 3305</td>
<td>Sourcing and Procurement</td>
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</tr>
<tr>
<td>SCHM 3308</td>
<td>Supply Chain Analytics</td>
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</table>

### CONCENTRATION IN MARKETING

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<tr>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MKTG 3401</td>
<td>Marketing Research</td>
<td>4</td>
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<tr>
<td>MKTG 3301</td>
<td>Marketing Management</td>
<td>4</td>
</tr>
<tr>
<td>or MKTG 4506</td>
<td>Consumer Behavior</td>
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**Electives**

Complete two of the following:

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<tr>
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<tbody>
<tr>
<td>MKTG 2301</td>
<td>Marketing and Society</td>
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<td>MKTG 3301</td>
<td>Marketing Management (if not selected as a required course)</td>
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<td>MKTG 3501</td>
<td>Marketing Analytics</td>
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<tr>
<td>MKTG 4220</td>
<td>Marketing in Asia</td>
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<td>MKTG 4420</td>
<td>Sales Management</td>
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<td>MKTG 4502</td>
<td>Marketing in the Service Sector</td>
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<td>MKTG 4504</td>
<td>Advertising and Brand Promotion</td>
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<td>MKTG 4506</td>
<td>Consumer Behavior (if not selected as a required course)</td>
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<tr>
<td>MKTG 4508</td>
<td>Digital Marketing</td>
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<td>MKTG 4510</td>
<td>New Product Development</td>
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<td>MKTG 4512</td>
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### CONCENTRATION IN SUPPLY CHAIN MANAGEMENT

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<tbody>
<tr>
<td>SCHM 3301</td>
<td>Global Supply Chain Strategy</td>
<td>4</td>
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<tr>
<td>SCHM 3305</td>
<td>Sourcing and Procurement</td>
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</tr>
<tr>
<td>SCHM 3310</td>
<td>Logistics and Transportation Management</td>
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**Elective**

Complete one of the following:

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<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>SCHM 3308</td>
<td>Supply Chain Analytics</td>
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Plan of Study
Sample Plan of Study

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tr>
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<td>PHTH 1260</td>
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<td>PSYC 1101</td>
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<td>BIOL 1111 and BIOL 1112</td>
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<td>CHEM 1214 and CHEM 1215 and CHEM 1216</td>
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<td>CHEM 1211 and CHEM 1212 and CHEM 1213</td>
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<td>MATH 1241 or 1231</td>
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<th>Hours</th>
<th>Summer 2</th>
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<td>ECON 1115 or 1116</td>
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<td>FINA 2201</td>
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<th>Spring</th>
<th>Hours</th>
<th>Summer 1</th>
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<tbody>
<tr>
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<td>Co-op</td>
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<td>HLTH 5450 or PHTH 4202</td>
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<th>Hours</th>
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<th>Hours</th>
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<tbody>
<tr>
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<td>PHTH 4540</td>
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Total Hours: 134