# Master of Science in Clinical Investigation & Translational Science (MSCI-TS) Program

**Student Program Status Checklist**

30 SCH are required for MSCI-TS Program Graduation.

Required Coursework = 18 SCH / Elective Coursework = 12 SCH / TSCI 6097/6098 count toward elective coursework

## REQUIRED COURSES: Course Number & Title

<table>
<thead>
<tr>
<th>Year 1: Fall Semester</th>
<th>Semester</th>
<th>Pre-Req</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCI 5070: Resp. Conduct of Research (2 SCH)</td>
<td>Fall</td>
<td>---</td>
</tr>
<tr>
<td>TSCI 5071: Patient Oriented Clinical Research Methods 1 (2 SCH)</td>
<td>Fall</td>
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<tr>
<td>TSCI 5072: Patient Oriented Clinical Research Biostatistics 1 (2 SCH)</td>
<td>Fall</td>
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</tr>
<tr>
<td>Research Project Proposal (RPP) Submitted &amp; Approved by MSCI-TS COGS</td>
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</tbody>
</table>

## YEAR 1: SPRING Semester

<table>
<thead>
<tr>
<th>Year 1: Spring Semester</th>
<th>Semester</th>
<th>Pre-Req</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCI 5073: Integrating Molecular Biology w/ Patient Oriented Clinical Research (1 SCH)</td>
<td>Spring</td>
<td>---</td>
</tr>
<tr>
<td>TSCI 5074: Data Management, Quality Control &amp; Regulatory Issues (2 SCH)</td>
<td>Spring</td>
<td>TSCI 5071</td>
</tr>
<tr>
<td>TSCI 6060: Patient Oriented Clinical Research Methods 2 (2 SCH)</td>
<td>Spring</td>
<td>TSCI 5072</td>
</tr>
<tr>
<td>TSCI 6097 Mentored Research in Clinical Investigation and Translational Science (1 – 4.5 SCH)</td>
<td>Fall &amp; Spring</td>
<td>Approved RPP</td>
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## YEAR 2: FALL Semester

<table>
<thead>
<tr>
<th>Year 2: Fall Semester</th>
<th>Semester</th>
<th>Pre-Req</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCI 5075: Scientific Communication (2 SCH)</td>
<td>Fall</td>
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</tr>
<tr>
<td>TSCI 5080: Practicum-Integrate Molecular Biology with Patient-Oriented Clinical Research (1 SCH)</td>
<td>Fall</td>
<td>TSCI 5073</td>
</tr>
<tr>
<td>TSCI 6065: Health Services Research (2 SCH)</td>
<td>Fall</td>
<td>TSCI 5071 TSCI 6060</td>
</tr>
<tr>
<td>TSCI 6097 Mentored Research in Clinical Investigation and Translational Science (1 – 4.5 SCH)</td>
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## YEAR 2: SPRING Semester

<table>
<thead>
<tr>
<th>Year 2: Spring Semester</th>
<th>Semester</th>
<th>Pre-Req</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCI 6098: Thesis (1 SCH)</td>
<td>Fall &amp; Spring</td>
<td>Approved RPP</td>
</tr>
<tr>
<td>Manuscript Packet Submitted and Approved by MSCI-TS COGS</td>
<td></td>
<td>(At least one month before graduation)</td>
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## ELECTIVES: Course Number & Title

<table>
<thead>
<tr>
<th>Electives</th>
<th>Semester</th>
<th>Pre-Req</th>
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</thead>
<tbody>
<tr>
<td>TSCI 5050: Introduction to Data Science (1 SCH)</td>
<td>Fall &amp; Spring</td>
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<tr>
<td>TSCI 5076: Applied Healthcare Informatics and Analytics (2 SCH)</td>
<td>Fall</td>
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<tr>
<td>TSCI 5077: Practicum in Translational Science (1 – 3 SCH)</td>
<td>Fall &amp; Spring</td>
<td>Course Director Approval</td>
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<tr>
<td>TSCI 5078: Intro to Intellectual Property, Tech Transfer, &amp; Commercialization (1 SCH)</td>
<td>Fall &amp; Spring</td>
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<tr>
<td>TSCI 5079: Practicum in Intellectual Property, Tech Transfer, &amp; Commercial (1 SCH)</td>
<td>Fall &amp; Spring</td>
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<tr>
<td>TSCI 6001: Introduction to Translational Science (1 SCH)</td>
<td>Fall</td>
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<tr>
<td>TSCI 6064: Grantsmanship &amp; Peer Review (1 SCH)</td>
<td>Spring</td>
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<tr>
<td>TSCI 6067: Genomic Healthcare (1 SCH)</td>
<td>Spring</td>
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<tr>
<td>TSCI 6069: Statistical Issues, Planning, &amp; Analysis of Contemporary Clinical Trials (2 SCH)</td>
<td>Spring</td>
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</tr>
<tr>
<td>TSCI 6070: Biostatistics Methods for Longitudinal Studies (2.5 SCH)</td>
<td>Fall</td>
<td>TSCI 5072 TSCI 6061</td>
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<tr>
<td>TSCI 6100: Practicum in IACUC Procedures (1 SCH)</td>
<td>Fall &amp; Spring</td>
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<tr>
<td>TSCI 6101: Topics in Translational Science (1 SCH)</td>
<td>Fall &amp; Spring</td>
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<tr>
<td>TSCI 6102: Practicum in IRB Procedures (1 SCH)</td>
<td>Fall &amp; Spring</td>
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<tr>
<td>TSCI 6105: Topics in Cancer Prevention (1 SCH)</td>
<td>Fall</td>
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<tr>
<td>TSCI 6106: Practicum in Cancer Prevention (0.5 - 1 SCH)</td>
<td>Fall &amp; Spring</td>
<td></td>
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