# Qualification program GS-EES (3 years)

## Research abroad

<table>
<thead>
<tr>
<th>Mandatory program</th>
<th>11</th>
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<tbody>
<tr>
<td><strong>Block course ‘Materials, Functioning and Technology of Batteries’</strong></td>
<td>5</td>
</tr>
<tr>
<td>• 2 parts of 5 days each (one in winter, one in summer)</td>
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<tr>
<td>• Lectures by PIs, lectures addressing additional qualifications, poster session and networking</td>
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<tr>
<td>• Final test after 2nd part</td>
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<tr>
<td>• Will be offered each year, successful participation is required once</td>
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<tr>
<td><strong>Summerschool organized by POLIS and GS-EES</strong></td>
<td>6</td>
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<tr>
<td>• Presentation of results by students</td>
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<tr>
<td>• Lectures from external speakers</td>
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<tr>
<td>• Will be offered each year, participation is required twice</td>
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## Electives

<table>
<thead>
<tr>
<th>Scientific training</th>
<th>15</th>
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<tbody>
<tr>
<td><strong>Topical workshops</strong></td>
<td>9</td>
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<tr>
<td>• The GS will offer workshops on specific topics, e.g. characterization methods</td>
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<tr>
<td><strong>Seminars</strong></td>
<td>12</td>
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<tr>
<td>• Self organized doctoral researchers seminars</td>
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<tr>
<td>• e.g. GDCh seminar, HIU seminar, institute’s seminar, PC colloquium ...</td>
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<tr>
<td>• Documented by signature of host in seminar participation form</td>
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<tr>
<td><strong>Lectures</strong></td>
<td>6</td>
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<tr>
<td>• Chose lectures at the universities with topics related to EES</td>
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<tr>
<td>• See short list for eligible courses, other courses can also be chosen in agreement with the GS</td>
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<tr>
<td>• Successful participation (passing the respective exams) needs to be confirmed by the lecturer</td>
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<tr>
<td>• Teaching a course is equivalent to successful participation</td>
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<table>
<thead>
<tr>
<th>Professional skills training**</th>
<th>3</th>
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<tbody>
<tr>
<td><strong>Communication (academic writing, presenting, etc.)</strong></td>
<td>6</td>
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<tr>
<td><strong>Management</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Good scientific practice / Research ethics</strong></td>
<td>3</td>
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<tr>
<td><strong>Equal opportunities / Diversity / Mentorship</strong></td>
<td>3</td>
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<tr>
<td><strong>Other</strong></td>
<td>2</td>
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</tbody>
</table>

* Chose courses e.g. from the GS-EES, form KHYS, ProTrainU, KIZ,...

Up to 6 CPs in total can be replaced by CPs earned in teaching, as follows:

* Can be replaced by CPs earned in teaching in related topics

** CPs above the minimum of 3 can be replaced by CPs earned in teaching