# Book & Tool List

## Advanced Technical Certificate: Laser/Electro-Optics Technology

### Book List for ATC – Laser/Electro-Optics Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Book Title</th>
<th>ISBN</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCET 0153A</td>
<td>Basic Electricity &amp; DC Circuit Theory</td>
<td>Complete Electronics Self-Tchg Gde w/Projects</td>
<td>9781118217320</td>
<td>$35.00</td>
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<tr>
<td>RCET 0153A</td>
<td>Basic Electricity &amp; DC Circuit Theory</td>
<td>Foundations of Electric Circuits</td>
<td>9780139077425</td>
<td>$128.00</td>
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<tr>
<td>RCET 0153A</td>
<td>Basic Electricity &amp; DC Circuit Theory</td>
<td>Electronics &amp; Computer Math, 8th Ed</td>
<td>9780131711372</td>
<td>$277.00</td>
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<tr>
<td>RCET 0153A</td>
<td>Basic Electricity &amp; DC Circuit Theory</td>
<td>Electronics Fund: Circuits, Devices, Etc., 8th Ed.</td>
<td>9780135072950</td>
<td>$264.00</td>
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<tr>
<td>RCET 0264</td>
<td>Introductory Calculus</td>
<td>Technical Calculus (W/CD), 5th Ed.</td>
<td>9780130488183</td>
<td>$308.00</td>
</tr>
<tr>
<td>RCET 0271</td>
<td>Introduction to Lab Simulation Software</td>
<td>Labview 2009 Student Ed. (W/2 DVDS)</td>
<td>9780132141291</td>
<td>$186.00</td>
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<tr>
<td>RCET 3331</td>
<td>Laser Systems and Optics Theory</td>
<td>Fund of Light &amp; Lasers, Course 1, Modules 1-6, #OPT 699-8, 2nd Ed</td>
<td>9781578376995</td>
<td>$90.00</td>
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<tr>
<td>RCET 3331</td>
<td>Laser Systems and Optics Theory</td>
<td>Laser Systems &amp; Applications-Course 2</td>
<td>9780990312512</td>
<td>$90.00</td>
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<tr>
<td>ENGL 1101</td>
<td>English Composition</td>
<td>Little Seagull Handbook (w/out exercises), 3rd Ed.</td>
<td>9780393602630</td>
<td>$30.00</td>
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<tr>
<td>ENGL 1101</td>
<td>English Composition</td>
<td>The Little Seagull Handbook, 3rd Ed.</td>
<td>9780393630282</td>
<td>$15.00</td>
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<tr>
<td>COMM 1101</td>
<td>Principles of Speech</td>
<td>Principles of Speech for COMM 1101 (Custom ISU), 4th Ed</td>
<td>9781680367621</td>
<td>$90.00</td>
</tr>
<tr>
<td>PHYS 1101</td>
<td>Elements of Physics</td>
<td>Conceptual Physics (w/out Bind-In Access Code), 12th Ed.</td>
<td>9780321909107</td>
<td>$217.00</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$1,730.00</strong></td>
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### Course Fees for ATC – Laser/Electro-Optics Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCET 0155</td>
<td>Electronic Laboratory</td>
<td>$100.00</td>
</tr>
<tr>
<td>RCET 0156</td>
<td>Electronic Control Devices Laboratory</td>
<td>$100.00</td>
</tr>
<tr>
<td>RCET 0253</td>
<td>Systems Analog Digital Laboratory</td>
<td>$75.00</td>
</tr>
<tr>
<td>RCET 0271</td>
<td>Introduction to Lab Simulation Software</td>
<td>$35.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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<td><strong>$310.00</strong></td>
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### Other Fees for ATC – Laser/Electro-Optics Technology

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locker Deposit</td>
<td>$5.00</td>
</tr>
<tr>
<td>Computer Account</td>
<td>$35.00</td>
</tr>
<tr>
<td>Graduation Application fee for first Certificate/Degree</td>
<td>$20.00</td>
</tr>
<tr>
<td>Optional fee for any additional Certificate/Degree</td>
<td>$10.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$70.00</strong></td>
</tr>
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# Book & Tool List

## Tools/Supplies for ATC – Laser/Electro-Optics Technology

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Laptop/Notebook Computer (NO Mac or Linux OS) Specifications: Processor: I5 Memory (RAM): 4GB Hard Drive: 250 GB Optical Drive: CD-RW/DVD Wireless: 802.11b/g Ethernet: 1GB Battery Life: 3-4 hours Warranty: 3 Years Operating System: Windows 7 Software, Office Suite: MS Office</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>1 or 2 for each semester</td>
<td>Tops Computation Notebook #35126 (Available in Tech Office)</td>
<td>$10.00</td>
</tr>
<tr>
<td>1 for each semester</td>
<td>Single subject spiral notebooks</td>
<td>$3.00</td>
</tr>
<tr>
<td>1 Jump Drive 8GB or greater</td>
<td></td>
<td>$20.00</td>
</tr>
<tr>
<td>1 Digital Micrometer 6&quot;</td>
<td></td>
<td>$2.00</td>
</tr>
<tr>
<td>1 Tape, metric measure (Optional)</td>
<td></td>
<td>$5.00</td>
</tr>
<tr>
<td>Tool Kit (Sold by Robotics Club) for 196.00 Tools listed below: DMM JMP Wires Safety Glasses ESDTWEEZER Kit Strippers Diagonal Cutter Needle Nose 4-1 Screw Driver Soldering Iron Stand Bread Board Resistor Kit Capacitor Kit Solder Kit Heat Sinks Desoldering Wick Precision Screw Drivers Tool Bag</td>
<td>$196.00</td>
<td></td>
</tr>
<tr>
<td>DC Current Ranges = &gt;200mA, 20A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC Current Ranges = &gt;20A, 200A, 200mA, 10A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Impedance = 10-12M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>$1,306.00</td>
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