**32-601-1 HEATING, VENTILATION, AND AIR CONDITIONING/REFRIGERATION (HVAC/R)**

**31-601-2 HVAC INSTALLATION TECHNICIAN**

**30-601-1 REFRIGERATION ESSENTIALS**

**2018-19 PROGRAM CURRICULUM CHECKLIST**

WISCONSIN INDIANHEAD TECHNICAL COLLEGE (WITC)

FALL 2018 START

SUPERIOR

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>COURSE TITLE</th>
<th>HOURS PER WEEK</th>
<th>CREDITS</th>
<th>REFRIGERATION ESSENTIALS TECHNICAL DIPLOMA</th>
<th>HVAC INSTALLATION TECHNICIAN TECHNICAL DIPLOMA</th>
<th>HEATING, VENTILATION, AND AIR CONDITIONING/REFRIGERATION (HVAC/R) TECHNICAL DIPLOMA</th>
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<tbody>
<tr>
<td><strong>FIRST TERM</strong></td>
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<tr>
<td>32-601-300</td>
<td>Air Conditioning Fundamentals</td>
<td>4 hours per week</td>
<td>2 credits</td>
<td>Refrigeration Essentials</td>
<td>HVAC Installation Technician</td>
<td>Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)</td>
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<td></td>
<td>Prerequisite: Admission to HVAC/R Plan, Refrigeration Essentials Plan, or HVAC Installation Technician Plan</td>
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<td>32-601-301</td>
<td>Basic Mechanical Fundamentals</td>
<td>6 hours per week</td>
<td>3 credits</td>
<td>Refrigeration Essentials</td>
<td>HVAC Installation Technician</td>
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<td>Prerequisite: Admission to HVAC/R Plan, Refrigeration Essentials Plan, or HVAC Installation Technician Plan</td>
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<td>32-601-317</td>
<td>Refrigeration Fundamentals</td>
<td>7 hours per week</td>
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<td>Prerequisite: Admission to HVAC/R Plan, Refrigeration Essentials Plan, or HVAC Installation Technician Plan</td>
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<tr>
<td>32-601-303</td>
<td>Principles of AC/DC</td>
<td>6 hours per week</td>
<td>3 credits</td>
<td>Refrigeration Essentials</td>
<td>HVAC Installation Technician</td>
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<tr>
<td></td>
<td>Corequisite: 32-804-325 Applied Technical Math 1</td>
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<tr>
<td>32-804-325</td>
<td>Applied Technical Math 1</td>
<td>5 hours per week</td>
<td>3 credits</td>
<td>Refrigeration Essentials</td>
<td>HVAC Installation Technician</td>
<td>Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)</td>
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</table>

**FIRST TERM TOTAL**

- 14 Credits Refrigeration Essentials
- 14 Credits HVAC Installation Technician
- 14 Credits Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better.

Revised 1/07/2019
### 2018-19 PROGRAM CURRICULUM CHECKLIST

**WISCONSIN INDIANHEAD TECHNICAL COLLEGE (WITC)**

**FALL 2018 START**

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<th>REFRIGERATION ESSENTIALS TECHNICAL DIPLOMA</th>
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<th>HEATING, VENTILATION, AND AIR CONDITIONING/REFRIGERATION (HVAC/R) TECHNICAL DIPLOMA (Financial Aid Eligible)</th>
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<tbody>
<tr>
<td>32-601-304</td>
<td>Heating Systems</td>
<td>4 hours per week</td>
<td>2 credits</td>
<td>HVAC Installation Technician</td>
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<td>Prerequisite: Admission to HVAC/R Plan or HVAC Installation Technician Plan</td>
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<tr>
<td>32-601-305</td>
<td>Electrical Controls &amp; Systems</td>
<td>6 hours per week</td>
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<tr>
<td>32-601-306</td>
<td>HVAC/R Print Reading</td>
<td>4 hours per week</td>
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<td>32-601-310</td>
<td>Sheet Metal Fabrication</td>
<td>4 hours per week</td>
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<td>32-804-334</td>
<td>Applied Technical Math 2</td>
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<tr>
<td>32-801-361</td>
<td>Applied Communications</td>
<td>3 hours per week</td>
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<td>32-890-305</td>
<td>Applied Information Resources</td>
<td>3 hours per week</td>
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**SECOND TERM TOTAL**

- **13 Credits**
  - HVAC Installation Technician
- **15 Credits**
  - Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better. Revised 1/07/2019
### 32-601-1 HEATING, VENTILATION, AND AIR CONDITIONING/REFRIGERATION (HVAC/R)

#### 31-601-2 HVAC INSTALLATION TECHNICIAN

#### 30-601-1 REFRIGERATION ESSENTIALS

#### 2018-19 PROGRAM CURRICULUM CHECKLIST

**WISCONSIN INDIANHEAD TECHNICAL COLLEGE (WITC)**

**FALL 2018 START**

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<td>32-601-316</td>
<td>Building Automation Systems</td>
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<td>32-601-307</td>
<td>Heating System Applications</td>
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<td>32-601-309</td>
<td>Control Circuit Applications</td>
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<td>32-809-380</td>
<td>Applied Interpersonal Skills</td>
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<td>32-801-362</td>
<td>Advanced Communication Skills</td>
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<td>Prerequisite: 32-801-361 Applied Communications</td>
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<td><strong>THIRD TERM TOTAL</strong></td>
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All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better.  
Revised 1/07/2019
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<tbody>
<tr>
<td>32-601-308</td>
<td>Electronic Energy Management</td>
<td>6 hours per week</td>
<td>3 credits</td>
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<td>32-601-311</td>
<td>Hydronic Heating</td>
<td>6 hours per week</td>
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<td>32-601-312</td>
<td>Refrigeration Applications</td>
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<td>32-601-314</td>
<td>Heat Load Estimation</td>
<td>2 hours per week</td>
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<td>32-601-315</td>
<td>Geothermal Systems</td>
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<td><strong>2nd 8 weeks</strong></td>
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<td>HVAC/R Electronic Troubleshooting/ Repair (WBL)</td>
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**PROGRAM REQUIREMENTS**

- **14 Credits** Refrigeration Essentials
- **27 Credits** HVAC Installation Technician
- **55 Credits** Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better. Revised 1/07/2019
Please be advised that low enrollment class sections may be cancelled. You will be contacted by Student Services with information on other class sections available in alternate formats.

GRADUATION REQUIREMENTS: Although your academic advisor can provide guidance, you are ultimately responsible for selecting courses that meet a program’s graduation requirements. If you do not take courses in the recommended sequence above, it may delay your completion of graduation requirements. A program plan GPA of 2.0 in a 4.0 grade system is required to graduate.

EARN CREDIT FOR WHAT YOU ALREADY KNOW: Visit http://www.witc.edu/academics/transfer/priorlearn.htm for more information

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better. Revised 1/07/2019