

Utah 3 Hour 2018 IPC and Energy Conservation - Chapters 1-4

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This course is designed to provide contractors in Utah with the three hours of training focused updates to the IPC and instruction on energy conservation. It satisfies the three-hour core continuing education state requirement for license renewal. The course covers a broad overview of energy conservation principles and the International Energy Conservation Code® (IECC®). It also includes the pertinent Utah amendments to the 2018 IPC, as well as significant changes made in the transition from the 2015 edition to the 2018 edition of the IPC for Chapters 1 through 4.

Learning Objectives:

At the end of this class, students will be able to:

- Understand the impact and value of energy conservation education
- Explain key concepts and definitions and evaluate their impact on the trades industry
- Interpret energy conservation concepts with regard to a building’s thermal envelope
- Explain IECC code: its history, scope, purpose, organization and standards for compliance within commercial and residential construction
- Demonstrate knowledge of news that may affect tradesmen in the green economy, including building safety during a pandemic, plus statewide challenges to conserve energy alongside opportunities to implement more energy-efficient practices
- Utilize what they’ve learned to solve energy conservation challenges and where help is needed, build a network of resources to assist in the collaborative effort
- Explain how the 2018 IPC was amended
- Define the newly added term, “Accessible”
- Define the newly added term, “Full-Open Valve”
- Understand the new code section on third-party certifications for cast-iron pipe
- Explain the changes made to the IPC section on protection against corrosion
- Describe how Chapter 4 was reorganized
- Understand the significant change made to the code for single-user toilets

Syllabus:

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3h 14m

1) Introduction 5m

- a) This section introduces the material that will be covered on energy conservation. It touches on the challenges and opportunities for tradesmen, endorses a collaborative, team effort, and provides a course outline.
- b) This section teaches the following learning objectives:
 - i) Understand the impact and value of energy conservation education

2) Overview of Energy Conservation 12m

- a) This section provides a broad overview of energy conservation principles and benefits; it explains key concepts such as energy efficiency, in order that the student may understand and better evaluate its importance to their trade and the community overall.
- b) This section teaches the following learning objectives:
 - i) Explain key concepts and definitions and evaluate their impact on the trades industry.

3) Thermal Envelope 3m

- a) This section covers the concept of a building's thermal envelope, providing a guided interpretation of its components and why the envelope is significant to energy conservation.
- b) This section teaches the following learning objectives:
 - i) Interpret energy conservation concepts with regard to a building's thermal envelope.

4) Energy Conservation Code 31m

- a) The section goes into energy conservation code in depth; it teaches the student how to explain the purpose, history and function of IECC code. It also covers 2015 IECC - Residential code in depth, including commentary on each of the significant amendments Utah adopted as statewide code. A list of key changes to the 2018 IECC Commercial Provisions is also given.
- b) This section teaches the following learning objectives:
 - i) Explain IECC code: its history, scope, purpose, organization and standards for compliance within commercial and residential construction.

5) News 3m

- a) This section addresses several pertinent news items that may affect contractors in Utah today.
- b) This section teaches the following learning objectives:
 - i) Demonstrate knowledge of news that may affect tradesmen in the green economy, including building safety during a pandemic, plus statewide challenges to conserve energy alongside opportunities to implement more energy-efficient practices.

- 6) State and National Resources** 4m
- a) This section provides relevant state and national resource information and links.
 - b) This section teaches the following learning objectives:
 - i) Utilize what they’ve learned to solve energy conservation challenges and where help is needed, build a network of resources to assist in the collaborative effort.
- 7) Utah Amendments to the 2018 IPC** 25m
- a) This section goes over select amendments made to the 2018 IPC through Utah’s adoption of the code.
 - b) This section teaches the following learning objectives:
 - i) Explain how the 2018 IPC was amended
- 8) Significant Changes to Chapters 1 and 2 of the 2018 International Plumbing Code** 32m
- a) This section covers each of the significant changes made to Chapters 1 and 2 of the IPC.
 - b) This section teaches the following learning objectives:
 - i) Define the newly added term, “Accessible”
 - ii) Define the newly added term, “Full-Open Valve”
- 9) Significant Changes to Chapter 3 - General Regulations** 21m
- a) This section goes over each of the significant changes to Chapter 3 of the IPC.
 - b) This section teaches the following learning objectives:
 - i) Understand the new code section on third-party certifications for cast-iron pipe
 - ii) Explain the changes made to the IPC section on protection against corrosion
- 10) Significant Changes to Chapter 4 - Fixtures, Faucets and Fixture Fittings** 27m
- a) This section of the course provides instruction on each of the significant changes made to Chapter 4 of the IPC.
 - b) This section teaches the following learning objectives:
 - i) Describe how Chapter 4 was reorganized
 - ii) Understand the significant change made to the code for single-user toilets
- 11) Conclusion** 1m
- a) This section concludes the course.

There is no exam.

Course Details:

Requirements:

Our system is offered online and so there are a few requirements in order to complete our course. Our course can be taken with a minimal system that meets all of the requirements, but the learning experience will be best if the system meets the recommendations.

Required: Internet capable device. Our course is compatible with smartphones, tablets, and traditional computers. It is not necessary that students own this device, merely that they have access to such a device.

Required: Internet connection.

Recommended: High speed internet connection. Our course uses a video and therefore the experience will be better with a high speed connection.

Required: Up to date browser.

Recommended: Up to date version of Google Chrome.

Course Setup:

Course completion is tracked through questions between the sections. The questions within slides do not, however, track progress. In order to mark the course as complete students will need to answer all of the questions attached to the course.

Upon enrolling in our course students will have access for 365 days. After this 365 day period they may contact us to have their enrollment renewed.

Any questions, concerns, or issues that arise while taking the class can be addressed by calling the contact number, writing to the contact email, or sending a message through the “Suggestion Box” included in the course. Any message will receive a response within one business day, and usually within one hour.

After finishing all course content the student will need to fill out the “Completion Questionnaire” so that their completion can be reported to the state.

Course Completion:

Upon successful completion of the course the student will be able to complete the “Mandatory Questionnaire” which gives us the necessary information to report completion to the state. The student will then have access to the certificate of completion. If applicable, AYPO will report completion to the state.

Refunds:

All tuition and fees paid by the applicant shall be refunded if the applicant is rejected by the school before enrolment. All tuition and fees paid by the applicant shall be refunded if requested within three business days after the terms and conditions have been accepted (on the enrollment page). All refunds will be returned within thirty business

days.

After the initial three business days have elapsed, AYPO will happily refund 100% of the purchase price for any course which the student has not yet begun.

Refunds of all or some portion of the purchase price may be available in situations where the student has already started taking the course, but not yet completed it. In general, for individuals who have already completed an entire course, refunds will not be available. Our office staff may be reached at (877) 724-6150 for more information about refund requests.

Attendance and Dismissal:

Students who enroll in this class are required to complete 100% of the course to receive credit. Since this class is presented online, enrolled students are not dismissed.

Course Content:

At Your Pace Online is responsible for the content of this course.