

# Stimulating Creativity and Building the Future

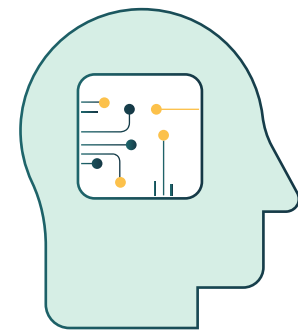
Semiconductor Cloud Academy

Operation Manual



## Student Purpose and Characteristics

Semiconductor Cloud Academy provides a learning platform dedicated to serve as a pivotal stage for personal development while connecting with the industry. The objective is to craft a new journey into the semiconductor realm that is engaging for students, starting from the basics and progressing towards advanced exploration. Therefore, short-form animated courses that are light-hearted, captivating, and enriched with interactive elements are launched. The approach involves distilling and consolidating the wealth of knowledge accumulated in the industry, which brings in a free online learning experience beyond geographical, temporal, and resource limitations. At the heart of the mission is a commitment to instilling the belief that knowledge is a powerful tool for life. The Academy encourages students to actively explore and tap into their potential across diverse fields.



### Industry Expertise

Industry Expertise: Our courses are designed by experts in various fields. As we take you on the shoulders of giants, we are empowered to shape the future of the technological world through the lens of industry know-how.



### Enriching Learning Experience

Enriching Learning Experience: Knowledge is transformed into practical skills applicable in real-life scenarios. You can obtain a certificate of completion from the industry that adds distinction to your resume.



### Online Learning Platform

Online Learning Platform: Students are able to experience flexible learning without the constraints of time and locations. Our platform offers diverse, knowledge-packed animations in concise 10-minute sessions. A complete progress tracking tool is available to help you effectively master the learning subjects.

# Catalog

Register and Login

Registration Process

Forget the Password

Course List

Course description

Student Center

Modify Information

Learning record

Quiz

Learning experience

Course completion  
certificate

Contact Us

# Catalog

Register and Login

Registration Process

Forget the Password

Course List

Course description

Student Center

Modify Information

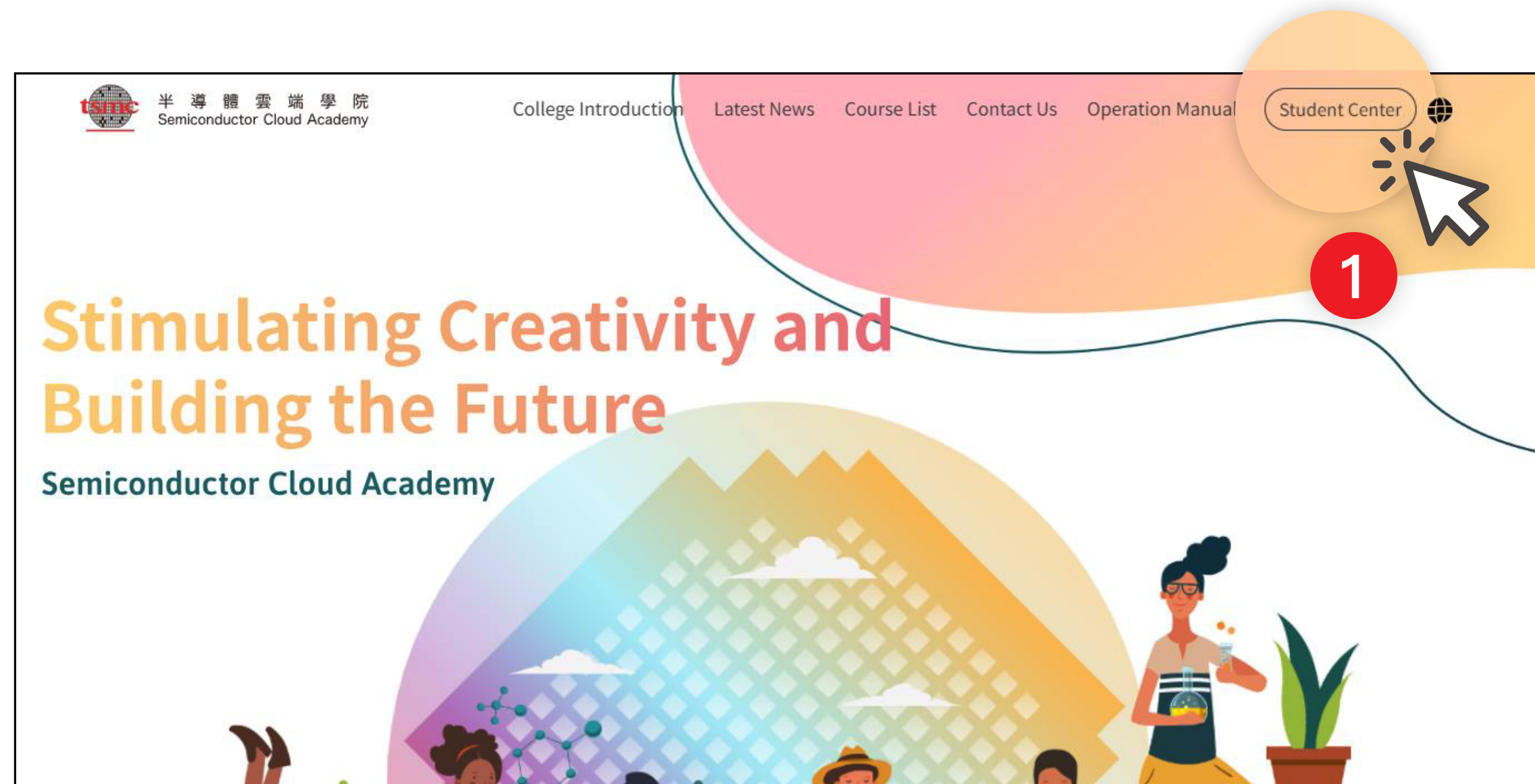
Learning record

Quiz

Learning experience

Contact Us

# Registration Process

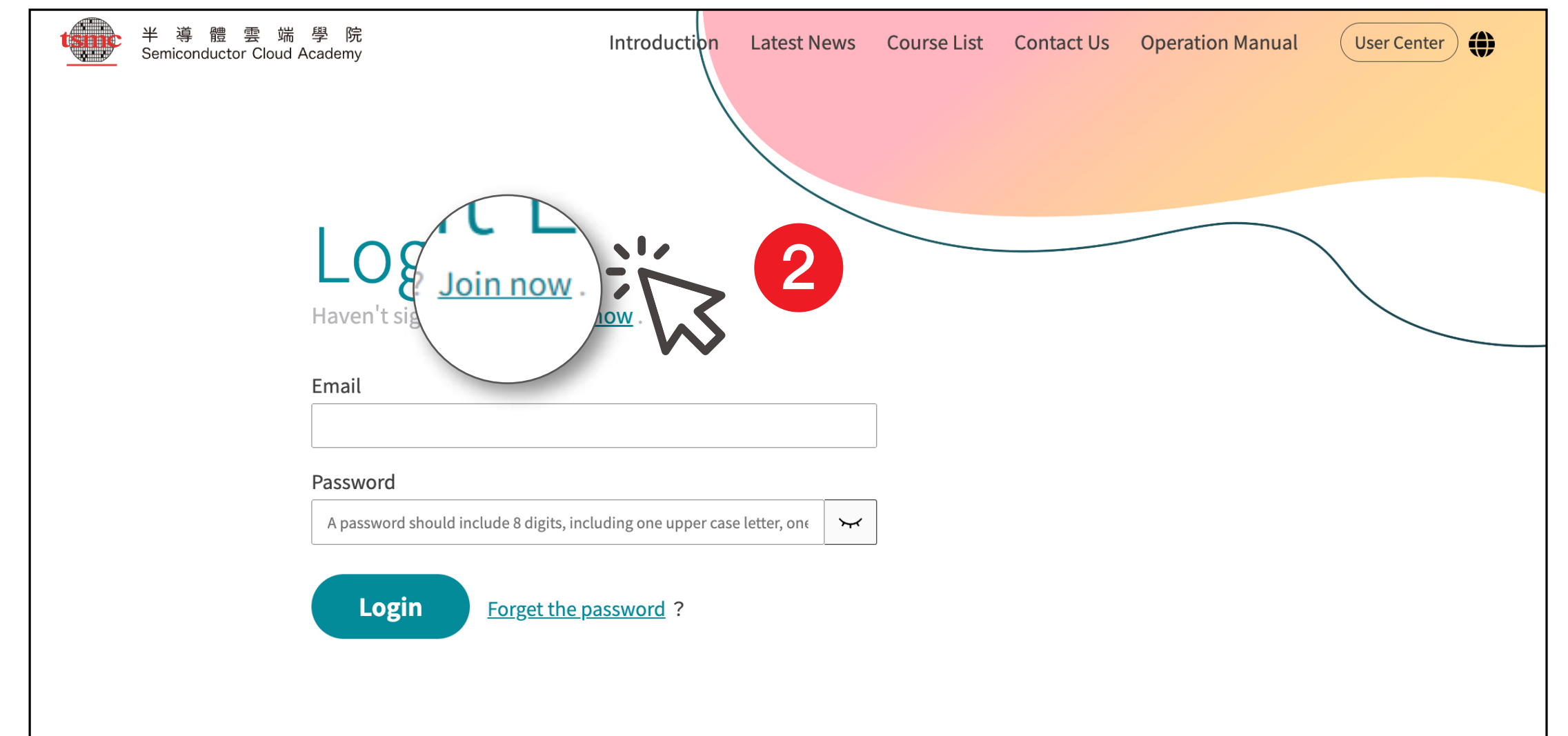


## Step 1

Enter the official website of Semiconductor Cloud Academy

<https://www.tsmc-cloud-academy.com>

Click on the student center in the upper right corner.



## Step 2

Under the Student Login heading, click join now.

# Registration Process

personal data; the right to correct inaccurate personal data; the right to request deletion; the right to limit the processing of your personal data; the right to oppose the processing of your personal data; the right to request the transfer of your personal data to another manager; the right to withdraw your consent; and the right to file a complaint to the competent authority for information protection. Under certain conditions, you need to provide identity certification documents to exercise the aforementioned rights.

You may exercise the following rights in compliance with laws and regulations:

- The right to file an objection regarding your special conditions to us or a third party processing your personal data on our behalf; and
- The right to file an objection to us or a third party processing your personal data on our behalf for the purpose of direct marketing.

Please check the fields to indicate confirmation and agreement

The aforementioned contents shall not affect other rights you may exercise in accordance with laws.

If you wish to exercise these rights, or if you have any questions regarding these rights and any of the terms in this Privacy Policy, or if you wish to inquire how your personal data are processed, please contact us with the contact information provided in Section (R) of this Privacy Policy. Please note:

- Under certain conditions, before we provide any assistance to your claim for your rights, you are required to provide identity certification to exercise related rights;
- When your claim requires proof for other facts, such as determining whether the procedures taken for processing your personal data are compliant with related laws and regulations, we shall review related facts as quickly as possible to determine how to process your request.

(If you are a minor less than 20 years of age (after January 1, 2023, a minor refers to an individual less than 18 years of age), you may only register and use the Service after your parents (or guardian) have accepted this Statement and agrees with the Statement and the Terms of Use of the Service. By using or continuing to use the Service, we assume that your parents (or guardian) has read, understood, and agreed to the Statement and the Terms of Use related to the Service.

Please check the fields to indicate confirmation and agreement

**3 Create Account**

### Step 3

Before registering, you need to check the personal information collection statement.

## 4 Student Registration

**\*Identity verification**  
-- Choose --

**\*Email**

**\*Password**  
A password should include 8 digits, including one upper case letter, one lower c

**\*Confirm password**

**\*Last name** **\*First name**  
ex:Smith ex:Michael

**\*Gender**  
-- Choose --

**\*Mobile**

When logged in, you will receive a verification code via text. Please make sure

### Step 4

#### Fill in registration information

- Please select your identity and gender
- Mailbox: You need to prepare a mailbox to register as a student
- Password: The password must contain at least 8 characters, one lowercase letter, one uppercase letter, one number, and one special character
- Name and mobile phone number (a SMS verification code will be sent when logging in, please confirm whether the mobile phone number is correct) Confirm the school information - grade and Expected graduation , register and submit the application.

# Registration Process



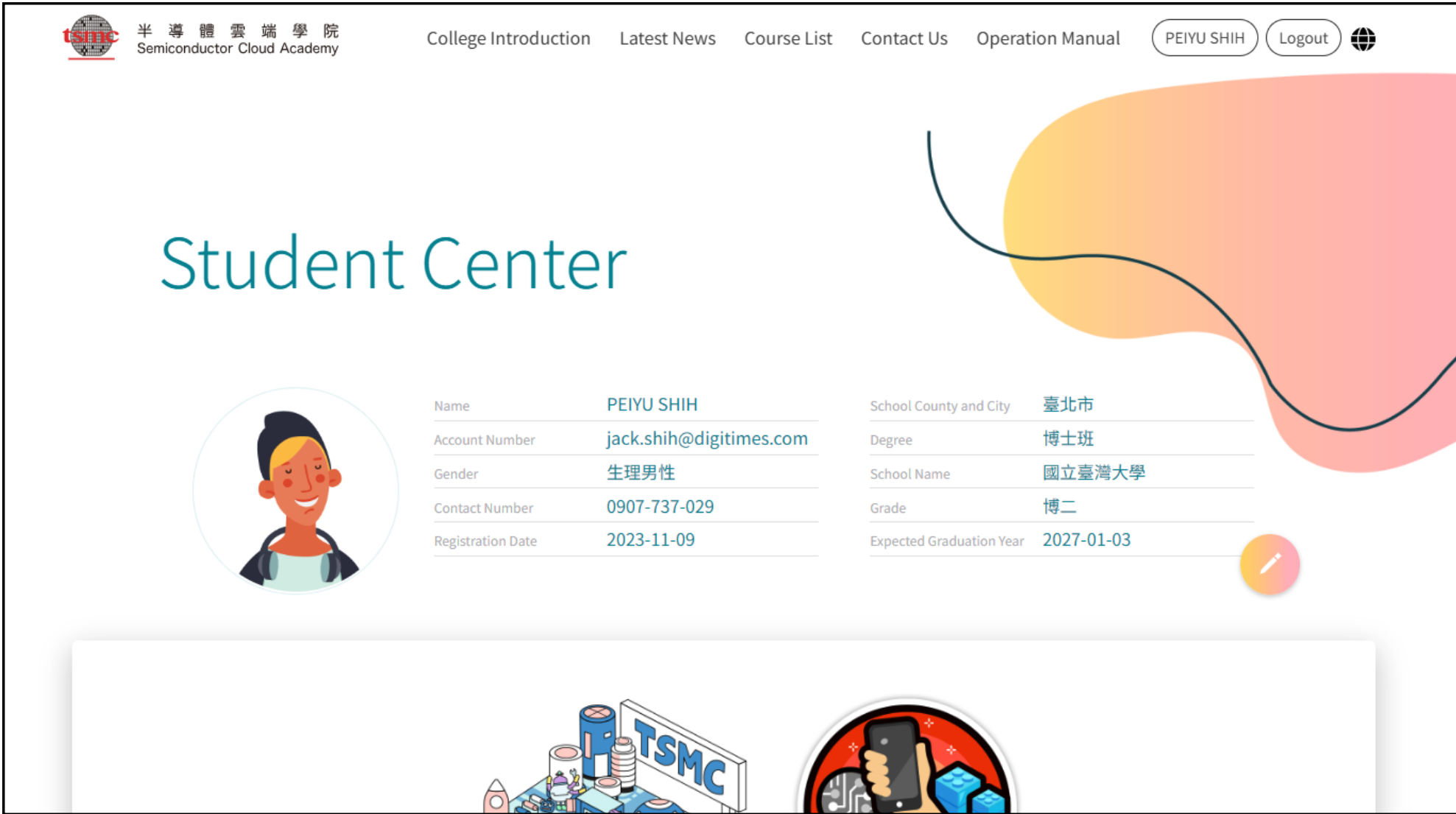
After completing the filling in, you can complete the password verification at the email address or mobile phone you filled in.

Dear Wang Xiaoming  
You can use the following OTP (one-time password) to complete the operation. The OTP is valid for 10minutes.  
313579

Thanks  
Semiconductor Cloud Academy,the team

## Step 5

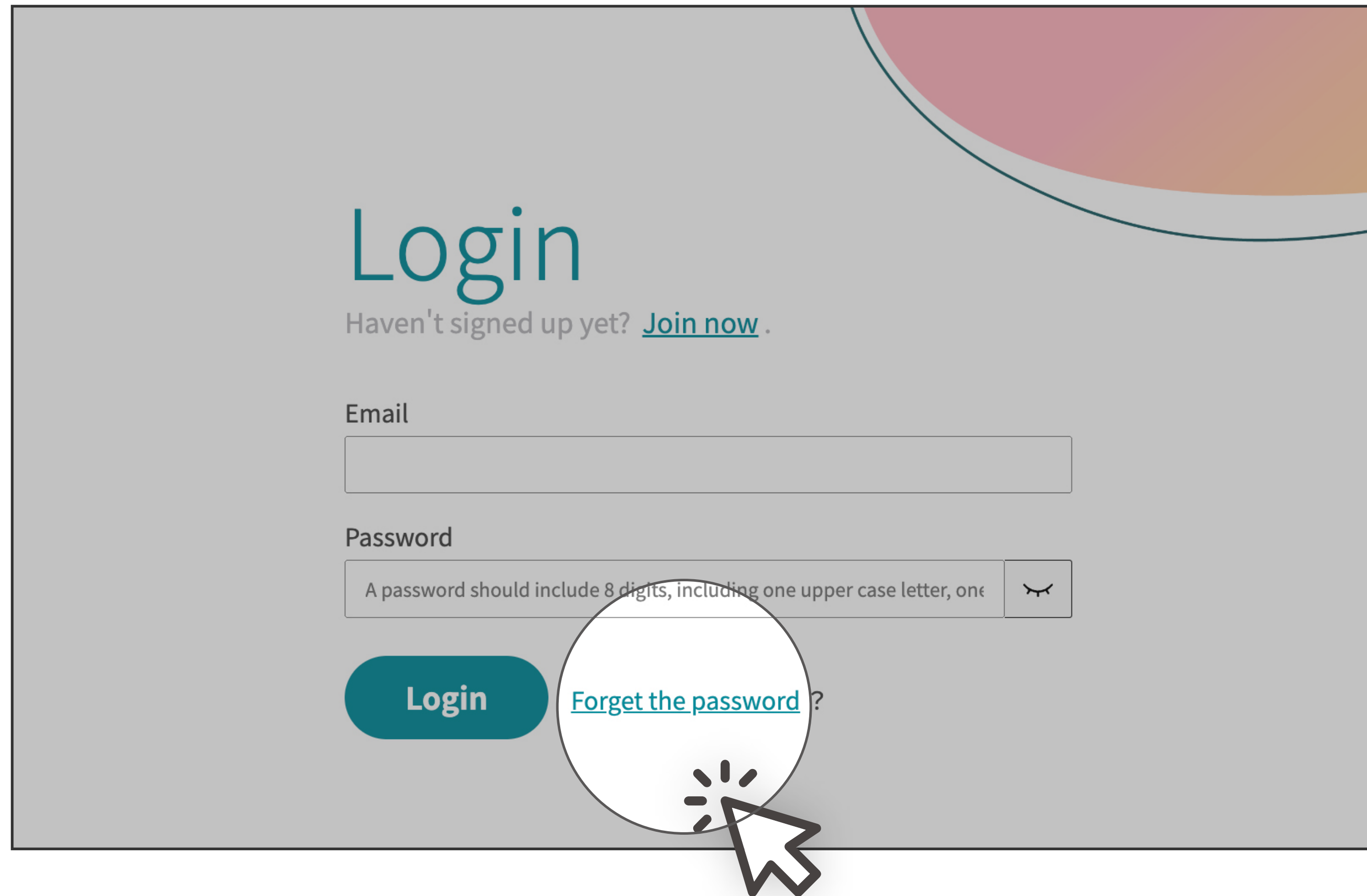
Receive an OTP (One-time password) verification code in the email address you filled in or via SMS.



## Step 6

After completing the verification, you can enter your student center and start your semiconductor cloud course!

# Forget the Password



The image shows a login form on a grey background. At the top left, the word "Login" is written in a large, teal font. Below it, the text "Haven't signed up yet? [Join now](#) ." is displayed in a smaller, grey font. The form contains two input fields: "Email" and "Password". The "Password" field has a small icon of an eye with a slash through it, indicating a password strength indicator. Below the "Password" field, there is a note: "A password should include 8 digits, including one upper case letter, one". At the bottom of the form, there are two buttons: a teal "Login" button and a teal link that says "Forget the password?". A white circular callout with a black border and a mouse cursor icon is positioned over the "Forget the password?" link, highlighting it.

Login

Haven't signed up yet? [Join now](#) .

Email

Password

A password should include 8 digits, including one upper case letter, one

[Forget the password?](#)

## Forget the password

Click Forgot Password on the login page, enter your email address and verify it. You can reset your password after completion.

# Catalog

Register and Login

Registration Process

Forget the Password

Course List

Course description

Student Center

Modify Information

Learning record

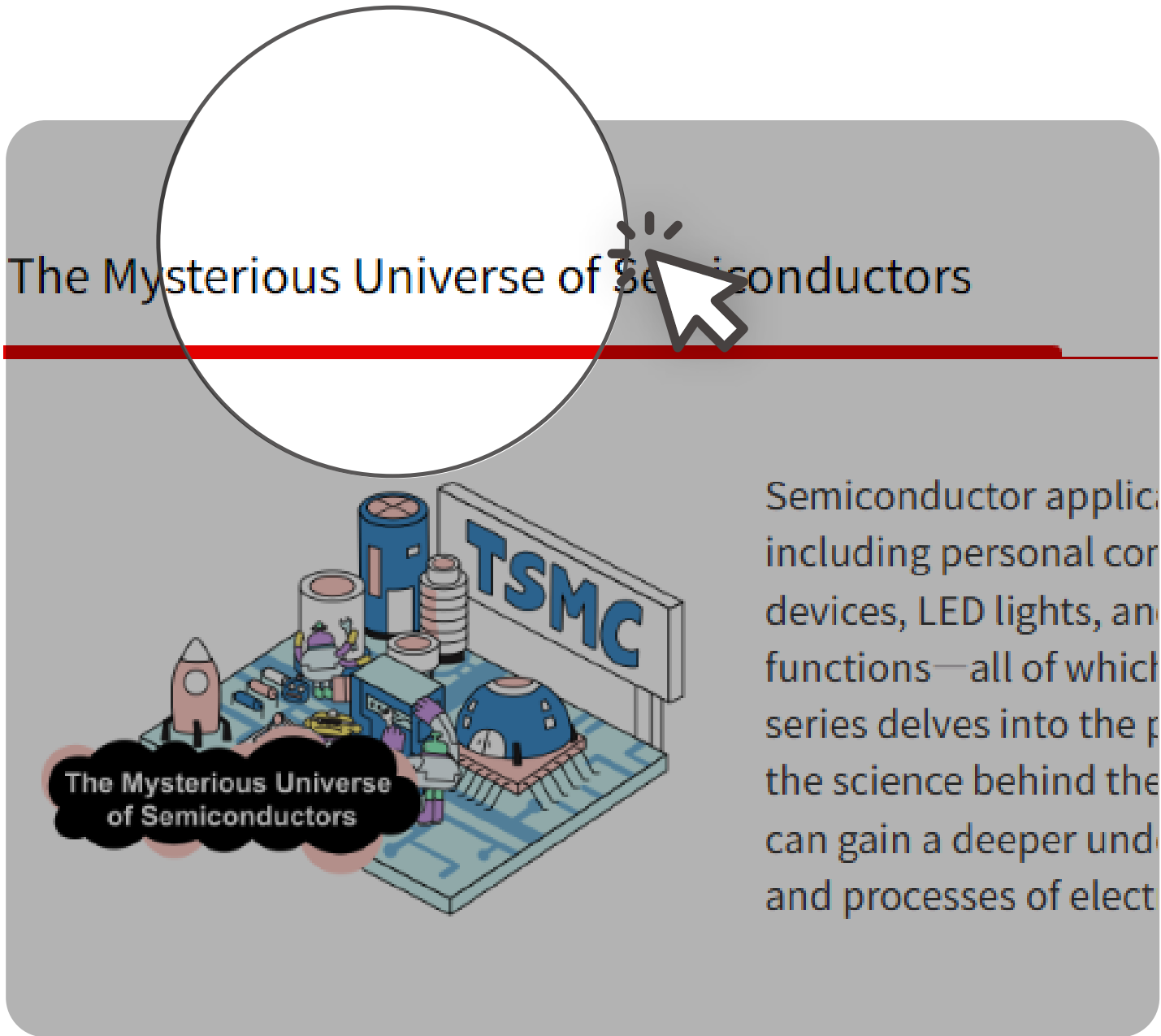
Quiz

Learning experience

Course completion  
certificate

Contact Us

# Course description

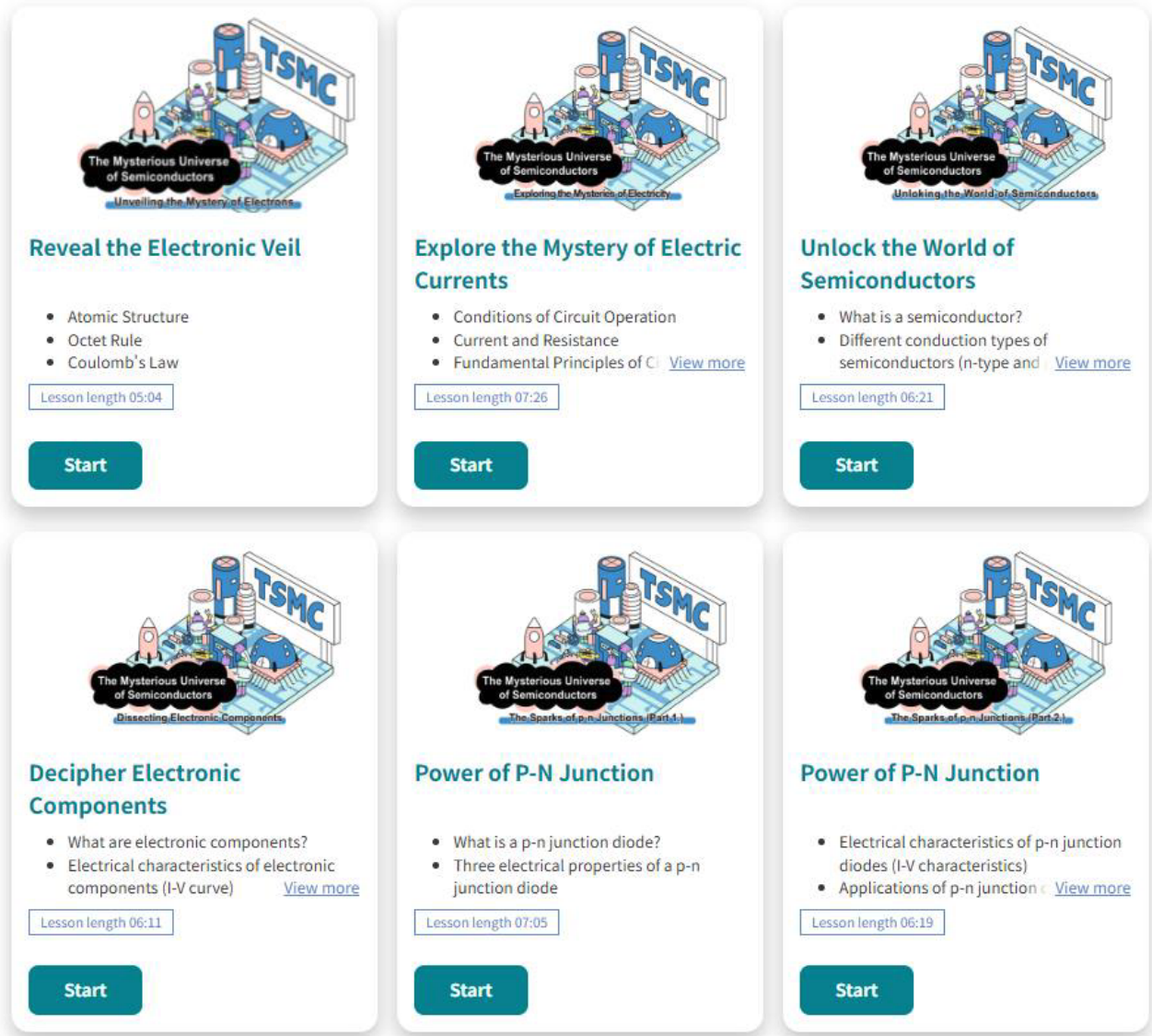


## The Mysterious Universe of Semiconductors

Semiconductor applications including personal computing devices, LED lights, and many other functions—all of which this series delves into the physics and the science behind the technology. You can gain a deeper understanding of the materials and processes of electronics.

## Learning Scale

During the learning process, you can track the progress of the class test through the learning bar below the chapter, add points to your learning, and obtain a course completion certificate!



- Reveal the Electronic Veil**
  - Atomic Structure
  - Octet Rule
  - Coulomb's LawLesson length 05:04
- Explore the Mystery of Electric Currents**
  - Conditions of Circuit Operation
  - Current and Resistance
  - Fundamental Principles of Circuits [View more](#)Lesson length 07:26
- Unlock the World of Semiconductors**
  - What is a semiconductor?
  - Different conduction types of semiconductors (n-type and p-type) [View more](#)Lesson length 06:21
- Decipher Electronic Components**
  - What are electronic components?
  - Electrical characteristics of electronic components (I-V curve) [View more](#)Lesson length 06:11
- Power of P-N Junction**
  - What is a p-n junction diode?
  - Three electrical properties of a p-n junction diodeLesson length 07:05
- Power of P-N Junction**
  - Electrical characteristics of p-n junction diodes (I-V characteristics)
  - Applications of p-n junction diodes [View more](#)Lesson length 06:19

## curriculum schedule

Learn about semiconductor-related knowledge in the easiest way through short and interesting audio-visual interactions!

# Course description



## Explore the Mystery of Electric Currents

- Conditions of Circuit Operation
  - Current and Resistance
  - Fundamental Principles of C
- [View more](#)

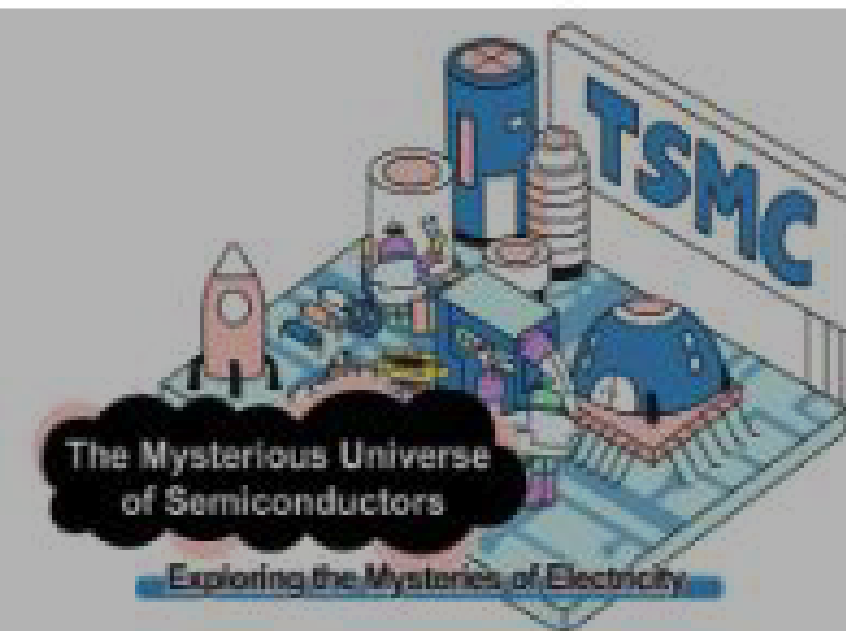
Lesson length 07:26

Start



## Continue Reading

Click to continue reading for a basic introduction to each course, and students can choose courses that suit their interests.

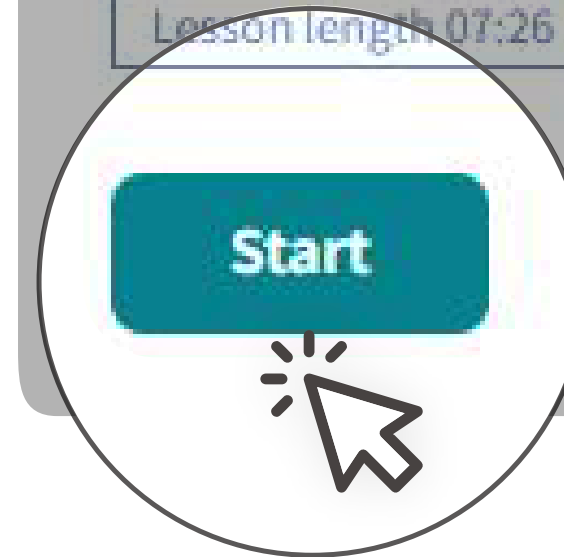


## Explore the Mystery of Electric Currents

- Conditions of Circuit Operation
  - Current and Resistance
  - Fundamental Principles of C
- [View more](#)

Lesson length 07:26

Start



## Start

Select the course you are interested in and open another window to start learning.

# Catalog

Register and Login

Registration Process

Forget the Password

Course List

Course description

Student Center

Modify Information

Learning record

Quiz

Learning experience

Course completion  
certificate

Contact Us

# Modify Information

The screenshot shows the 'Student Center' page for the Semiconductor Cloud Academy. The user is logged in as 'John WangH'. The page displays a profile card for 'PEIYU SHIH' with the following details:

Name	PEIYU SHIH	School County and City	臺北市
Account Number	jack.shih@digitimes.com	Degree	博士班
Gender	Biological male	School Name	國立臺灣大學
Contact Number	0907-737-029	Grade	博二
Registration Date	2023-11-09	Expected Graduation Year	2027-01-03

A pencil icon is highlighted with a mouse cursor, indicating the 'Modify Information' function.

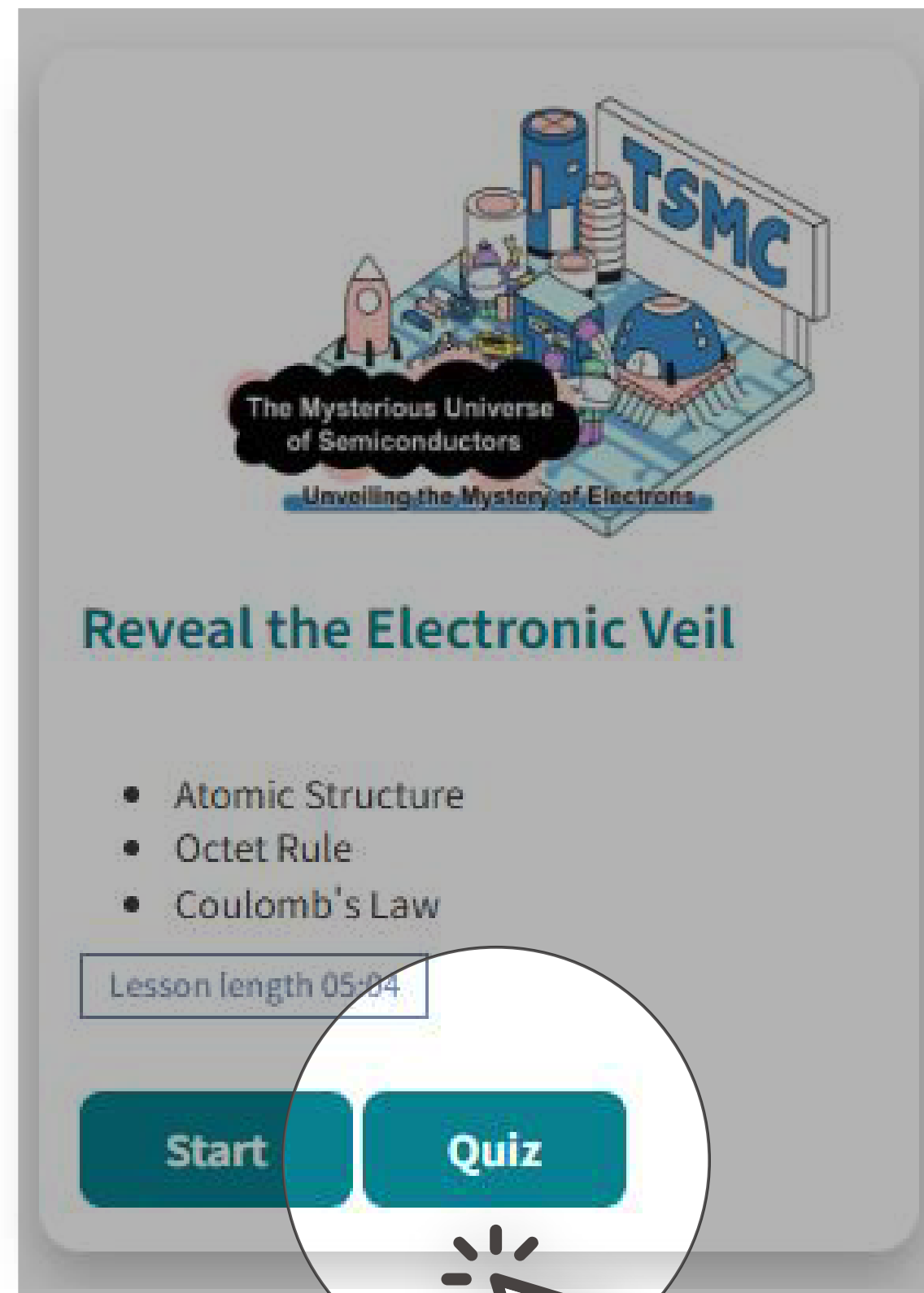
The 'Modify Information' form contains the following fields:

- \*Email: jack.shih@digitimes.com
- Change Password: [input field]
- \*Last name: SHIH
- \*名字: PEIYU
- \*Gender: Biological male
- \*Mobile: 0907-737-029
- When logged in, you will receive a verification code via text. Please make sure that your phone number is correct.
- \*School County and City: 臺北市
- \*Level: 博士班
- \*School: 國立臺灣大學
- \*Grade: 博二
- \*Expected graduation date: 2027, 1, 3

## Modify Information

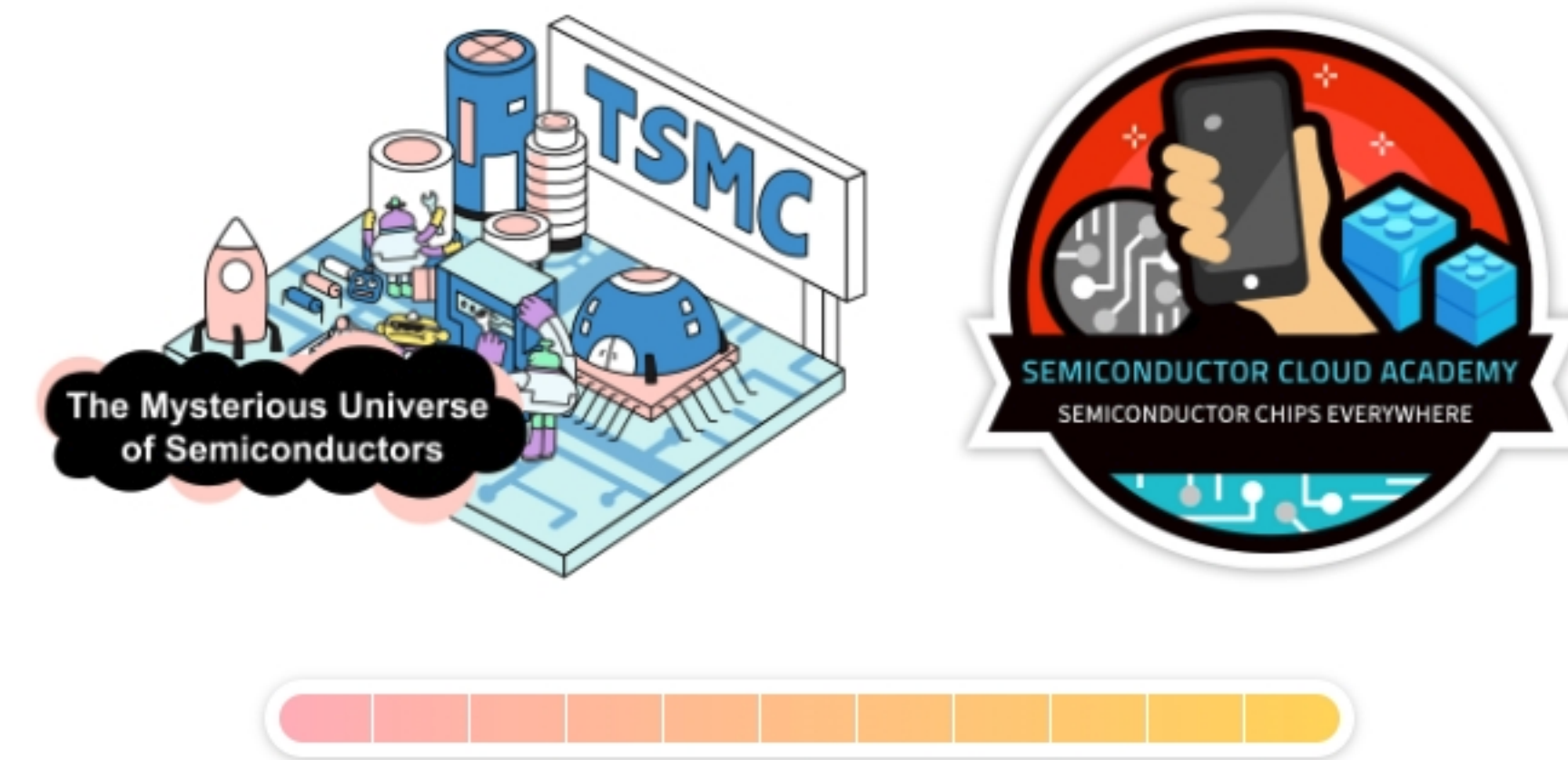
If you are in the course and need to modify school information or related information Just go to the student center and click on the pencil to adjust your personal information.

# Learning record



## Quiz

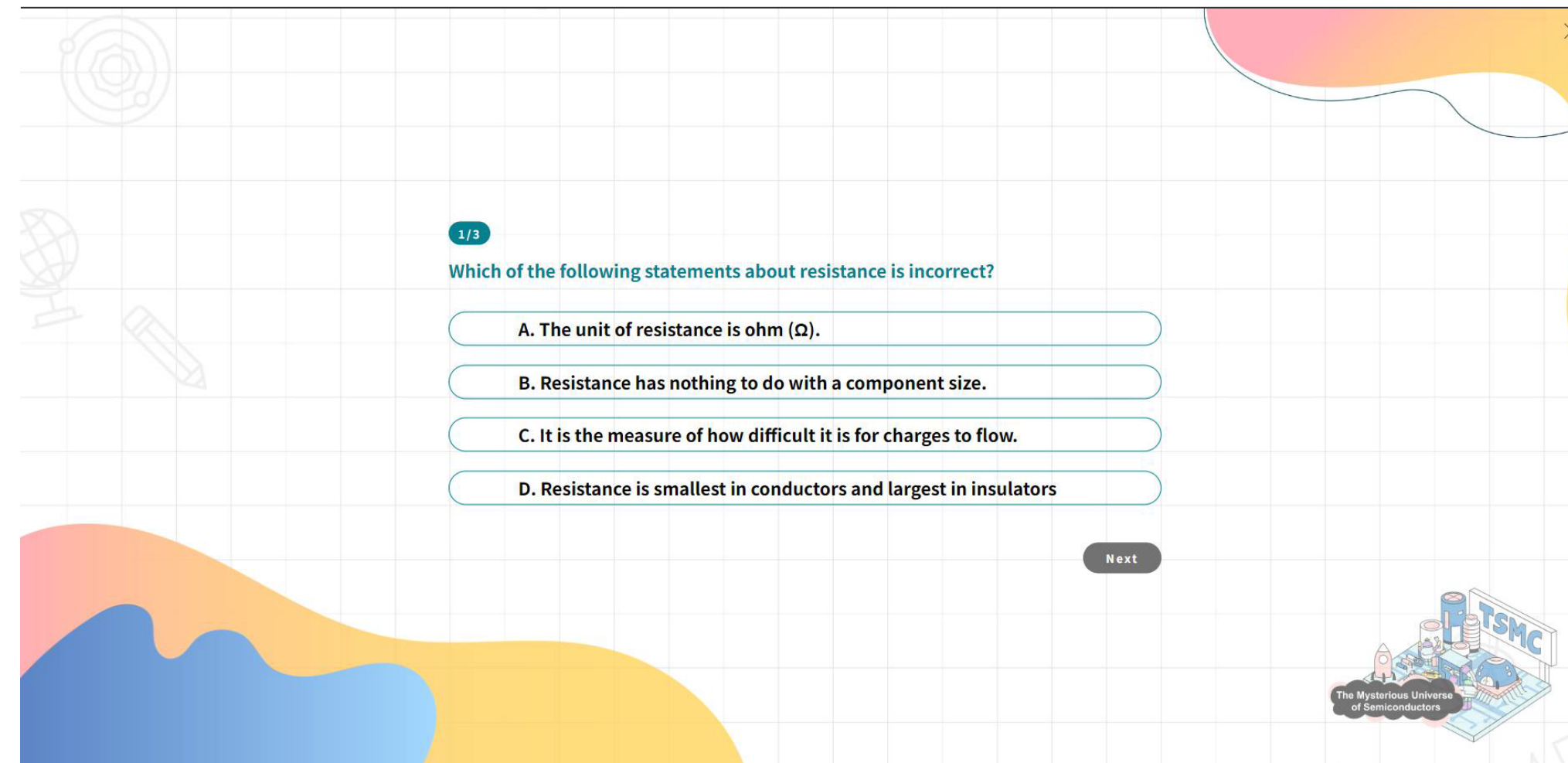
After you finish watching the course, you can click Start Quiz to take the course completion test!



## Learning scale

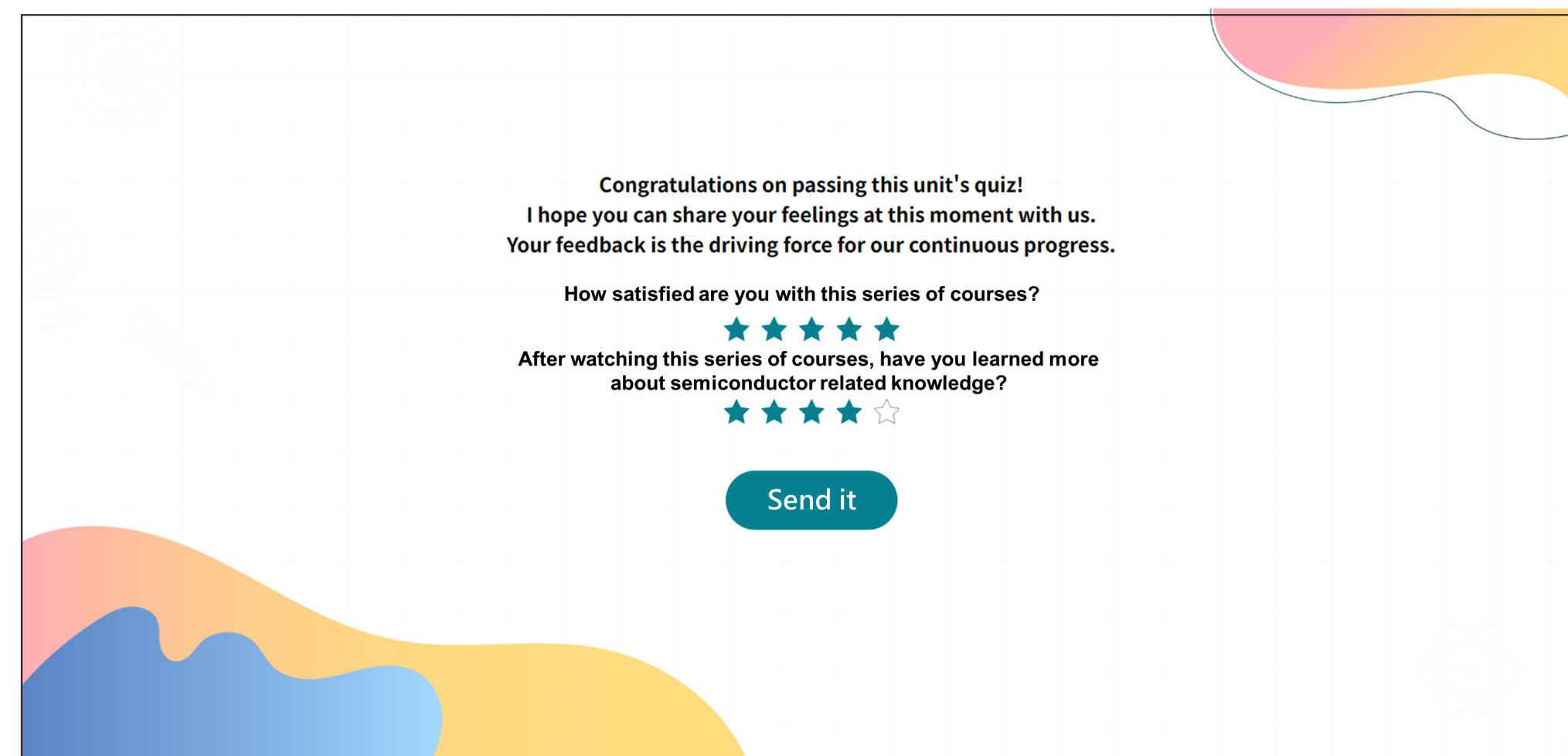
During the learning process, you can track the progress of the class test through the learning bar below the chapter, add points to your learning, and obtain a course completion certificate!

# Quiz



## Starts Quiz

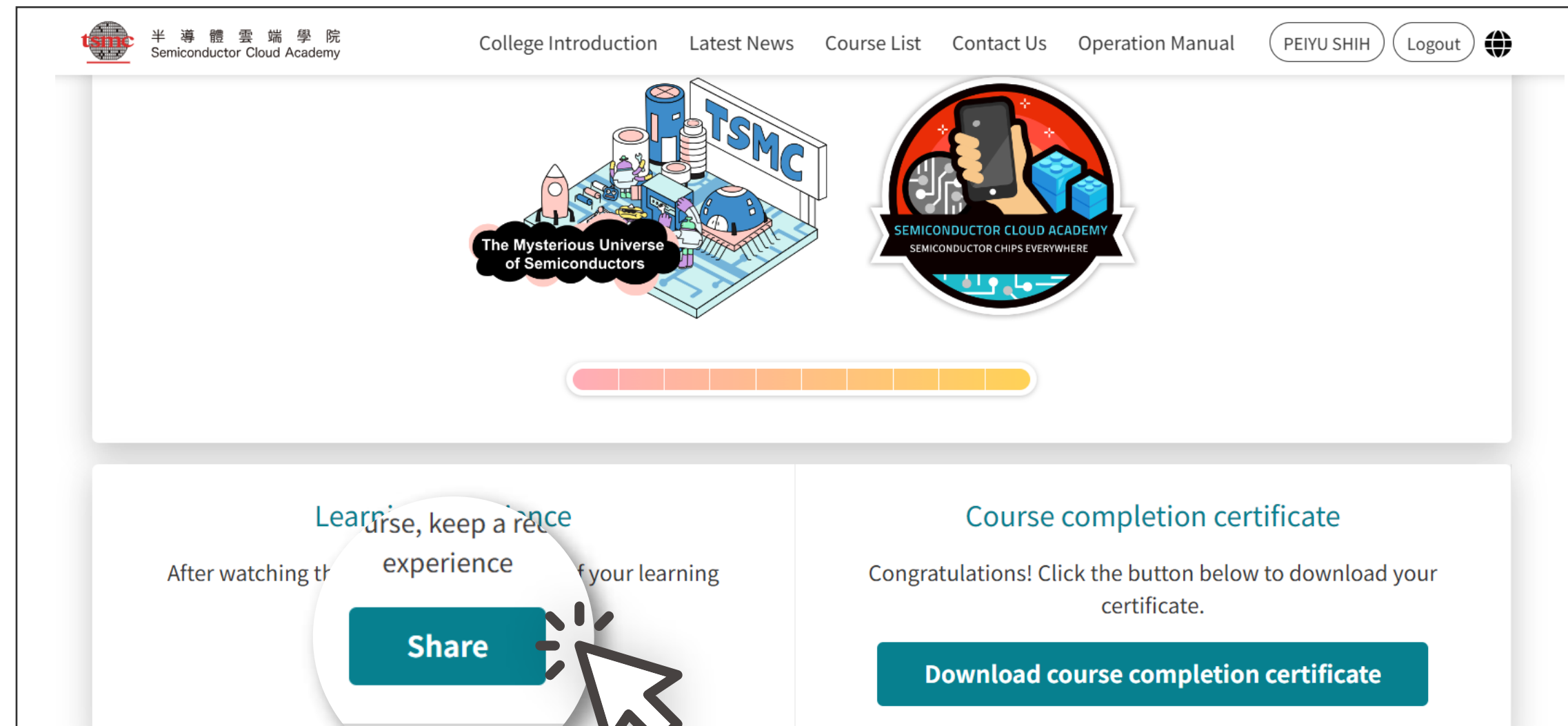
Enter the course completion test and take a simple test to give you a deeper impression of the course!



## Course Rating

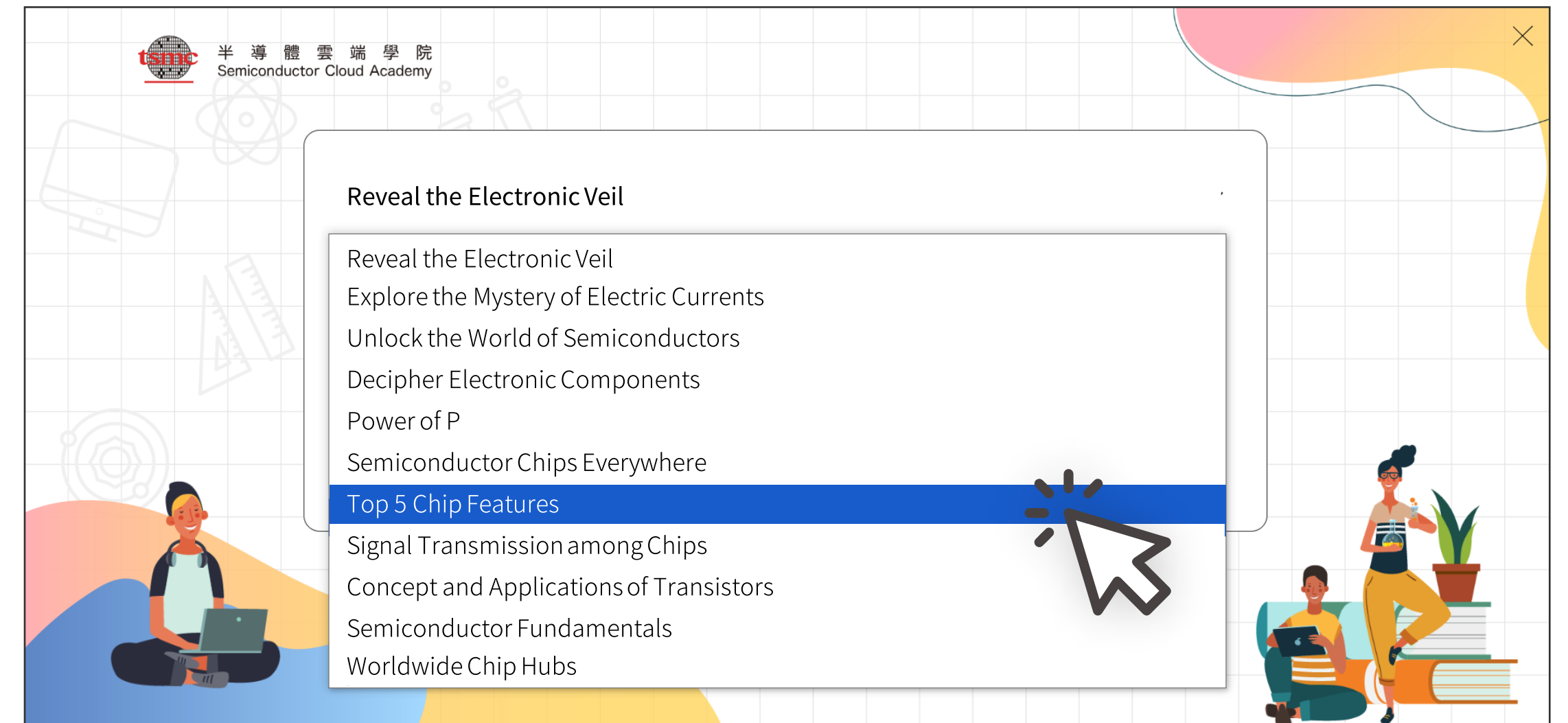
After taking the test, fill in the course rating, and you can go to the student center to download the course completion certificate and share your experience.

# Learning experience



## Step 1

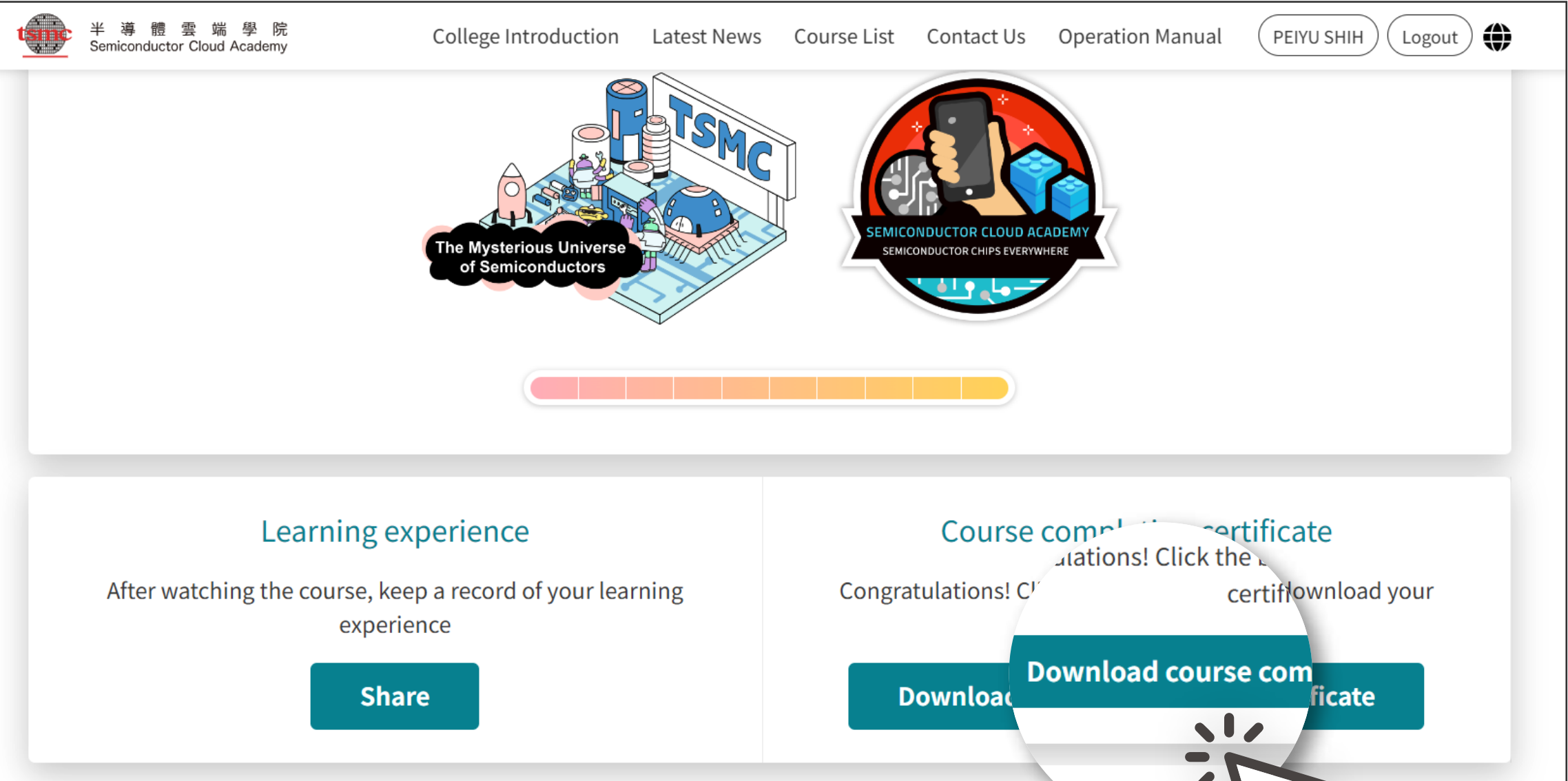
Click on the sharing experience in the learning experience. Remember to watch the course before sharing your experience!



## Step 2

You can use the drop-down menu to record your thoughts after each course, making learning more efficient and enhancing your impression!

# Course completion certificate



## Course completion certificate

Pass the post-course tests of at least 10 units cumulatively, and the course completion certificate can be downloaded. Having a course completion certificate issued by the company will make your resume even more outstanding!



# Catalog

Register and Login

Registration Process

Forget the Password

Course List

Course description

Student Center

Modify Information

Learning record


Quiz

Learning experience

Course completion  
certificate

Contact Us

# Contact Us



半導體雲端學院  
Semiconductor Cloud Academy

[Introduction](#) [Latest News](#) [Course List](#) [Contact Us](#) [Operation Manual](#) [User Center](#)

## Contact Us

Name

Email Address

Question category  
--Choice--

please tell us your issue

[Send it](#)

## Contact Us

If you encounter any problems on the website, please feel free to contact us and select the problem you are encountering. We will contact you as soon as possible!