

This certification is for all JavaScript users who wish to certify their skills regardless of their level.

|                                  |
|----------------------------------|
| 🚩 Assessment                     |
| ✅ 25 questions      ⌚ 60 minutes |
| 🚩 Certification                  |
| ✅ 35 questions      ⌚ 90 minutes |
| 🚩 In-app questions <sup>1</sup>  |
| 🚩 Adaptive testing               |

## Proficiency Level by Career:

- **Beginner/ Basic:** the student is not able to use the coding language in a professional environment.
- **Productive:** Business analyst, biostatistician.
- **Advanced:** developer, data scientist.
- **Expert:** JavaScript trainer, technical expert, team leader.



## Skill Domains:

|                             |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Language and Syntax         | <ul style="list-style-type: none"> <li>🚩 Knowing the main characteristics and specificities of the language</li> <li>🚩 Knowing basic functionalities and syntax</li> <li>🚩 Managing the inputs, outputs, and errors of a program</li> </ul>                                                                                                             |
| Data Structures and Objects | <ul style="list-style-type: none"> <li>🚩 Creating and manipulating primitive objects, embedded objects or more complex custom objects</li> <li>🚩 Understanding and manipulating the properties of an object</li> <li>🚩 Understanding and manipulating the prototype of objects</li> </ul>                                                               |
| Packages and API            | <ul style="list-style-type: none"> <li>🚩 Creating shareables and reusable features</li> <li>🚩 Retrieving data from a server</li> <li>🚩 Creating and manipulating asynchronous functions</li> <li>🚩 Managing errors and successes during the execution of a program</li> </ul>                                                                           |
| Applied JavaScript          | <ul style="list-style-type: none"> <li>🚩 Writing a program that handles different types of data in an optimized way</li> <li>🚩 Understanding and finding errors within a code and correcting them</li> <li>🚩 Searching for information in the documentation</li> <li>🚩 Reading and understanding a stack-trace to deduce the origin of a bug</li> </ul> |
| Fundamentals & Applications | <ul style="list-style-type: none"> <li>🚩 Identify when and for whom to use JavaScript</li> <li>🚩 Match JavaScript to real-world use cases</li> </ul>                                                                                                                                                                                                    |

## Expertise Report:

Comprehensive and easy-to-interpret skills reports are generated at the end of each assessment test. They help you:

- **Identify** candidates' skills at a glance.
- **Adapt** your programs to their training needs.
- **Measure** the effectiveness of your programs.
- **Obtain** group reports or progress reports.

## Languages and Versions:

English and French -

For additional information, please contact [sales@isograd.com](mailto:sales@isograd.com)

## Why certify with Tosa?

It is essential to make a difference in the job market. **Tosa certifications enable students to measure and attest to their digital skills.** Tosa certifications deliver a score out of 1,000 for students to put on their resume or on their professional networks.

**According to our certified students, the Tosa certification:**

- ✎ Gives them more confidence in their skills **(86%)**
- ✎ Adds value on their CV **(76%)**

## Understanding the Tosa score

The Tosa certification is based on a single score scale, available in five levels:

| Level      | Scores     | Description                                                                                                             |
|------------|------------|-------------------------------------------------------------------------------------------------------------------------|
| Expert     | 876 - 1000 | Student has extensive knowledge of the subject evaluated. Student's productivity in its use is optimal.                 |
| Advanced   | 726 - 875  | Student has very good knowledge and control of the subject matter being evaluated. Student's productivity is excellent. |
| Productive | 551 - 725  | Student possesses the skills needed to operate effectively in a professional environment.                               |
| Basic      | 351 - 550  | Student has sufficient knowledge to perform simple tasks.                                                               |
| Beginner   | 1 - 350    | Student's knowledge of the evaluated subject is limited.                                                                |

## What is an in-app question?

Beyond traditional MCQs, our tests offer students practical exercises (or in-app questions) directly in the development environment or software.

- ✎ **Coding language in-app question:** questions of this type should be solved by creating or modifying a program in the integrated development environment, in the appropriate programming language

## What is adaptive testing?

Our technology adapts the test's difficulty to the student's answers. The more difficult the questions asked, the higher the student's proficiency level.