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**1. Title of the certificate – Yrkeshögskoleexamen<sup>1</sup>**

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Spelprogrammerare

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**2. Translated title of the certificate – Higher Vocational Education Diploma<sup>2</sup>**

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Game Programmer

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**3. Knowledge, Skills and Competence Profile**

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The holder of the certificate has:

- Knowledge of C++ and script languages.
- Knowledge of describing data structures and algorithms.
- Knowledge of describing object-oriented development models.
- Knowledge of software development processes.
- Knowledge of linear algebra and underlying physics for game development.
- Knowledge of the areas of application for frameworks for graphics and 3D programming.
- Skills in organising, planning and producing computer games according to defined premises.
- Skills in collaborating in groups and in relating to and acting on feedback.
- Skills in formulating and following common goals and in cross-disciplinary communication.
- Skills in programming functioning 2D and 3D games.
- Skills in designing and constructing object-oriented software systems.
- Skills in identifying weaknesses in software and developing solutions.
- Competence to schedule, plan and complete game projects according to defined premises.
- Competence to take responsibility for their own development in cross-disciplinary games projects.
- Competence to develop software that is used to create interactive 2D and 3D worlds.
- Competence to independently relate to their professional role at different types of games companies, with different development platforms.
- Competence to collaborate across disciplines, prioritise the challenges of different professional categories and adapt their own work effort to them in the best way.

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**4. Range of occupations accessible to the holder of the certificate<sup>3</sup>**

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Programmer, mobile games, Programmer, computer games, Programmer, console games, Programmer, hand-held games, Programmer, web games and Quality Assurance/Game Tester

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<sup>1</sup> In the original language. | <sup>2</sup> If applicable. This translation has no legal status. | <sup>3</sup> If applicable.

The Certificate supplement provides additional information about the certificate and does not have any legal status in itself. Its format is based on the Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

## 5. Official basis of the certificate

### Name and address of the awarding institution

The Game Assembly  
Jungmansgatan 3  
211 19 Malmö  
SWEDEN

[www.thegameassembly.se](http://www.thegameassembly.se)

### Authority providing accreditation / recognition of the certificate

The Swedish National Agency for Higher Vocational Education  
Box 145  
721 05 Västerås, Sweden

[www.myh.se](http://www.myh.se)

### Level of the certificate (national or European) <sup>1</sup>

Level 5 in the National Qualifications Framework (SeQF)  
Level 5 in the European Qualifications Framework (EQF)

### Grading scale / Pass requirements

Fail (icke godkänt – IG)  
Pass (Godkänt – G)  
Pass with distinction (Väl godkänt – VG)

### Access to next level of education / training <sup>1</sup>

### International agreements on recognition of qualifications <sup>1</sup>

The Higher Vocational Certificate requires a minimum of a Pass (Godkänt) in all courses.

### Legal basis

A Higher Vocational Education Certificate is awarded if the study programme comprises a minimum of 200 Higher Vocational Education credits (HVE credits). Five HVE credits correspond to one week of full-time studies.

## 6. Officially recognised ways of acquiring the certificate

Description of vocational education and training	Percentage of total programme (%)	Duration (/weeks)
College/education centre	73 %	80 weeks
Placement – learning in a work environment	27 %	30 weeks
Total duration of the education / training leading to the certificate		weeks

## 7. Additional information

### Entry requirements <sup>1</sup>

Entry requirement is successful completion of upper secondary education.

### More information (including a description of the national qualifications system)

For more information on higher vocational education, please visit the website of the Swedish National Agency for Higher Vocational Education: [www.myh.se](http://www.myh.se)

### National Europass Centre

[National Europass Centres | Europass](#)

<sup>1</sup> If applicable.