<table>
<thead>
<tr>
<th><strong>Exam Series Code</strong></th>
<th>OMG-OCSPM-MU100</th>
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</thead>
<tbody>
<tr>
<td><strong>Exam Duration</strong></td>
<td>90 minutes in English-speaking countries and 120 minutes in all others.</td>
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<tr>
<td><strong>Exam Fee</strong></td>
<td>US$250 (or local equivalent) in English-speaking countries and US$260 (or local equivalent) in all others.</td>
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<tr>
<td><strong>Exam Type</strong></td>
<td>Multiple choice (text and SysML diagrams)</td>
</tr>
<tr>
<td><strong>Exam Pass Score</strong></td>
<td>&gt;=56 of 90 questions answered correctly (&gt;=62%)</td>
</tr>
<tr>
<td><strong>Exam Prerequisite(s)</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Exam Specifications</strong></td>
<td>This exam is based on System Modeling Language (SysML) v1.2. Use it solely as a reference. If interested, you can onlyview the differences between SysML v1.2 and v1.6.</td>
</tr>
<tr>
<td><strong>Additional Reading</strong></td>
<td>The OMG SysML Tutorial</td>
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<tr>
<td></td>
<td>Simulation-Based Design Using SysML: Part 1: A Parametrics Primer (Peak): Four authors contributed to generating this exam.</td>
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<td></td>
<td>Hybrid SUV Example (SysML v1.2)</td>
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<td></td>
<td>OMG SysML Website</td>
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<td></td>
<td>SysML Notations and Conventions</td>
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<tr>
<td></td>
<td>Model-Based Systems Engineering (MBSE) with the Systems Modeling Language (SysML) (Wolf from)</td>
</tr>
<tr>
<td><strong>Exam Training Options (not required)</strong></td>
<td>Delligatti Associates, LLC (USA: 5-day course)</td>
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<tr>
<td></td>
<td>Intercax with Georgia Institute of Technology (USA)</td>
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<tr>
<td></td>
<td>oose (Germany: 1-day course [English] and 5-day course [German])</td>
</tr>
<tr>
<td></td>
<td>Mithun (Netherlands: 4-day course)</td>
</tr>
<tr>
<td><strong>Exam Voucher Program</strong></td>
<td>Visit the Pearson VUE Voucher Store for a 10% discount/10 vouchers or view our Voucher Program for greater discounts. Vouchers expire one year after purchase and can be transferred. Contact Pearson VUE to honor a previously purchased voucher price.</td>
</tr>
<tr>
<td><strong>Testing Accommodations</strong></td>
<td>For a hearing, learning, physical or visual disability accommodation, please contact <a href="mailto:certification@omg.org">certification@omg.org</a> for instructions on testing accommodations before registering for an exam.</td>
</tr>
<tr>
<td><strong>Exam Registration</strong></td>
<td>Pearson VUE: create an account, locate a test center, view available tests, (re)schedule a test (online or at a test center), cancel your exam (contact Pearson VUE &gt;= 24 hours prior to exam for a full refund or you forfeit the full exam price), view exam scores and Contact Pearson VUE (for any technical issues).</td>
</tr>
<tr>
<td><strong>Online Exam Check-In &amp; Requirements</strong></td>
<td>Visit Pearson VUE Online Proctoring for detailed info. Log in at least 30 minutes early (online verification may take 15-20 minutes). Late arrivals will not be allowed to take the exam.</td>
</tr>
<tr>
<td><strong>Test Center Check-In &amp; Requirements</strong></td>
<td>Arrive at least 30 minutes early. Late arrivals will not be allowed to take the exam. Bring two forms of ID (at least one with photo and both with signature): alien registration card, bank card, credit card, employee badge, government issued, green card, military, passport, school and state ID. Do not bring any items (personal or otherwise) other than the two forms of ID to a test center. Pearson VUE Test Center Coronavirus Guidelines</td>
</tr>
<tr>
<td><strong>Exam Languages</strong></td>
<td>This exam is offered in English. Individuals cannot use a translation app during the exam.</td>
</tr>
</tbody>
</table>
Review Your Answers | Before completing an exam individuals will be presented with a screen to review answers to all questions.
---|---
Exam Score Reports | Pass or fail, individuals will be provided with a score report on computer screen immediately following the exam whether on-site at test center or online. A hardcopy will be provided before an individual leaves a test center with their score in each major section. If an individual fails, they can review those sections where they scored poorly to assist them when they decide to retake the exam. Individuals can also review their exam score reports via their Pearson VUE account.
Certification Digital Badges | Those who pass the exam will immediately receive an email from Credly (check Junk folder) to claim their verifiable digital badge. Credly provides certified professionals with the option to share their certification credentials with others via the Credly Network, social media, .pdf or hardcopy certificate, and other avenues.
Certification Expiration | Certifications expire 5 years from the date the exam was passed. The same or a higher-level certification must be taken prior to the previous certification’s expiration date to extend a certification.
Retaking the Exam | Contact certification@omg.org to request a 30% discounted exam retake voucher.
Still Have Questions? | certification@omg.org

**General Areas Tested in the SysML Model User Exam**

**MODELS OF REQUIREMENTS**

| Interpreting Requirements on Requirement Diagrams | The concept of “requirement”, key relationships including derive, verify, satisfy, refine, trace, containment as well as the Requirement Diagram description, purpose and benefits. | 7% |
| Interpreting System Functionality on Use Case Diagrams | Use Case Diagram description, purpose and benefits, use case structure encompassing use case, actor and subject, as well as basic relationships including association, include, extend and generalization. | 7% |

**MODELS OF SYSTEM STRUCTURE**

| Interpreting Model Organization on Package Diagrams | Package Diagram description, purpose, and benefits, aspects of packages including ownership of elements and defining a namespace, relationships including containment and dependency, and concepts of view and viewpoint. | 7% |
| Interpreting System Structure on Block Diagrams | Block definition and description, including definition vs. usage, valuetype (with units), block features including value properties, parts, references and operations. Block Definition Diagram description, purpose, and benefits, compartments, relationships between blocks including specialization and associations (including composite but not shared aggregation), multiplicities. Internal Block Diagram description, purpose, and benefits, enclosing block, flow ports and standard ports, connectors and item flows as well as representation of parts. | 22% |
| Interpreting System Constraints on Block Definition Diagrams and Parametric Diagrams | Interpreting constraint blocks on Block Definition Diagrams, Parametric Diagram description, purpose and benefits, constraint properties, parameters and expressions, connecting constraint properties and value properties with binding connectors. | 7% |

**MODELS OF SYSTEM BEHAVIOR**

| Interpreting Flow-Based Behavior on Activity Diagrams | Activity Diagram description, purpose, and benefits, I/O flow including object flow, parameters, parameter nodes and pins, control flow including control nodes, activity partitions (swimlanes) and actions including decomposition of activities using call behavior action, send signal action, as well as accept event action. | 13% |
| Interpreting Message-Based Behavior on Sequence Diagrams | Sequence Diagram description, purpose and benefits, lifelines, asynchronous and synchronous messages, and interaction references (to elements outside the diagram). | 7% |
| Interpreting Event-Based Behavior on State Machine Diagrams | | 10% |
State Machine Diagram description, purpose, and benefits, states and regions including state, regions, initial state and final state, transitions including trigger by time and signal events, guard and action (i.e., effect), as well as behaviors including entry, exit and do.

<table>
<thead>
<tr>
<th>CROSS-CUTTING CONSTRUCTS</th>
<th>20%</th>
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<tbody>
<tr>
<td>Interpreting Allocations Across Multiple Diagram Types; Other Topics</td>
<td>20%</td>
</tr>
<tr>
<td>Allocation description, purpose and usage, AllocatedFrom and AllocatedTo, representation including callouts, compartments, allocate activity partitions, and tables, special notations for comment, rationale, problem and constraint. Some concepts relating to diagrams: diagram frames, ports, parameters and anchors on diagram frames, diagram header and diagram description as well as stereotype.</td>
<td>20%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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