Minimum System Requirements
For the following Products
Clinical eLearning
Clinical Skills
Performance Manager
Home Health Care
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This document outlines the Minimum System Requirements for the following Elsevier products; Clinical eLearning CONNECT, Clinical Skills, Elsevier Performance Manager, ENA Healthstream Integration, and Home Health Care.

⚠️ Note: Product specific requirements are indicated with the requirement description.

**Minimum System Requirements**

Please keep in mind that changes to browser or computer settings will apply to all users with access to your computer. We recommend you contact your IT staff before making any changes to your organization’s browser settings.

We have designed Performance Manager to work with the major internet browsers and most computer configurations. Performance Manager is compatible with SCORM 1.2 and AICC. The preferred interface is SCORM 1.2. SCORM 2004 will not be supported.

**Browser Support**

This is a web-based application that supports all major modern browsers that are currently supported by their manufacturers.

<table>
<thead>
<tr>
<th>Browser</th>
<th>Minimum Version</th>
<th>Recommended Version</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Google Chrome</td>
<td>30.0</td>
<td>Latest</td>
<td>For Learners Only</td>
</tr>
<tr>
<td>Mozilla Firefox</td>
<td>25.0</td>
<td>Latest</td>
<td>For Learners Only</td>
</tr>
<tr>
<td>Microsoft Internet Explorer</td>
<td>10</td>
<td>Latest</td>
<td>Silverlight and Java are required for Admin features</td>
</tr>
</tbody>
</table>

**Mobile Support**

The browsers below are supported on all devices with screen sizes larger than 4.7 inches.

<table>
<thead>
<tr>
<th>Browser</th>
<th>Minimum Version</th>
<th>Recommended Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Google Chrome</td>
<td></td>
<td>Latest</td>
</tr>
<tr>
<td>Mozilla Firefox</td>
<td></td>
<td>Latest</td>
</tr>
<tr>
<td>Apple Safari</td>
<td></td>
<td>Latest</td>
</tr>
<tr>
<td>Microsoft Internet Explorer</td>
<td>10</td>
<td>11</td>
</tr>
</tbody>
</table>
Compatibility Mode & Browsers

If using Internet Explorer with compatibility mode turned on, users will likely have trouble viewing the homepage. Users will see a blue bar at the top of the screen and nothing else (i.e. blue bar at the top, white, blank page beneath).

To correct this:

- Press F12 to launch Developer Tools, then select “Console” tab. Refresh the IE window. You will see the following message indicating an issue with compatibility mode:

![Developer Tools Console Message]

- In Internet Explorer, select Tools, then click Compatibility View settings. Remove any of the Elsevier domains that may be listed under Websites you’ve added to Compatibility View. De-select the tick in the box for Display all websites in Compatibility View.

Sound and Media Plug-Ins and Other Software

- Adobe Flash Player 12 or higher
- Windows Media Player 9.x or higher
- Adobe Acrobat Viewer
- CDS/DirectCourse clients require Quicktime be installed
Plug-Ins

- Flash® 12.0 or higher (This can be downloaded directly from the Adobe Website)
- Adobe® Reader® 7.0 or latest version available

**Note:** The listed plug-ins are not required in all instances; their use depends upon the content utilized.

- Microsoft Silverlight latest version available

Content Specific Requirements

AACN Content

- Internet protocol:
  - TCP Port 80 – HTTP/1.1
  - TCP Port 443 - SSL
- Sound card and speakers: Required
- Plug-ins:
  - Macromedia Flash Player 6 or higher
  - Adobe Acrobat PDF Reader 5 or higher
  - Microsoft Windows Media Player 9.0 or higher
- Firewall/Proxy/Cache server settings:
  - If a proxy server is used, HTTPS 1.1 must be enabled on the proxy server, and the client browser be configured to use HTTPS 1.1 through the proxy connection. Other network devices must also support version 1.1 of HTTPS.
  - Your network administrator will need to ensure clients' hosts can access domains listed above. Flash uses standard Web packets.
  - In some proxy configurations, URL caching should be disabled or bypassed for the "rivatest.com" domain. This configuration change is not required unless problems occur when using cached URLs.
- Email: To receive LearnCenter emails, all users must add the following email addresses to their safe sender list.
  - e-learning@aacn.org
  - elearninghelp@aacn.org
- To verify system requirements have been met or are complete, go to:
  [http://www.aacn.org/wd/elearning/content/ce/systemrequirement.pcms?menu=elearning](http://www.aacn.org/wd/elearning/content/ce/systemrequirement.pcms?menu=elearning)
Minimum System Requirements

Apex Hemispheres Content

- Pop-ups must be allowed in order to view course material
- Adobe Reader is required to view completion and CE certificates
- To verify system requirements have been met or are complete, go to: https://www.apexinnovations.com/Hemispheres.html
- For Apex Impulse users, to verify system requirements have been met or are complete, go to: https://www.apexinnovations.com/imPULSE2.0.html

Direct Course

To run Audio reliably on Windows 7, the following software is required:

- Flash version 10,0,45,2 or higher   Check the version of Flash by going to the link below: http://www.adobe.com/software/flash/about/
- IE9 security set no higher than medium

JATA Content

- Adobe Flash Player 10 or higher

SkillSoft Courses

⚠️ Note: Users must have Windows Admin privileges to install SkillSoft desktop applications and plug-ins.

- To view the system requirements for specific SkillSoft content, go to: http://documentation.skillsoft.com/en_us/support/index.htm#45673.htm
IP Ranges and Domain Names

The following IP Ranges and Host Names need to be forwarded to your appropriate IT resource to be **white listed**. Allowing access to our host names ensures your ability to access all functionality you’ve purchased.

If your organization requires white lists, we strongly recommend whitelisting by domain range instead of IP address. As our IP addresses change, your organization is required to update its whitelist in order for you to continue to access our applications.

**IP Ranges**

Be sure to include the asterisk (*) in the name to capture all possible names.

<table>
<thead>
<tr>
<th>Host Name</th>
<th>IP Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>elsevierperformancemanager.com</td>
<td>104.17.37.38 104.17.38.38 104.17.39.38 104.17.40.38 104.17.41.38</td>
</tr>
<tr>
<td>*.elsevierperformancemanager.com</td>
<td>207.24.42.166 207.25.180.193 (Port 80 and 443)</td>
</tr>
<tr>
<td>mcstrategies.com</td>
<td>104.16.139.50 104.16.140.50 104.16.141.50 104.16.142.50 104.16.143.50</td>
</tr>
<tr>
<td>*.collegeofdirectsupport.com</td>
<td>104.17.57.29 104.17.58.29 104.17.59.29 104.17.60.29 104.17.61.29 207.24.42.154</td>
</tr>
</tbody>
</table>
If you are accessing our content via a third-party Learning Management System, we recommend allowing access for inbound data from our gateway addresses. The following IP addresses must be allowed:

- 54.209.41.11
- 54.209.40.252
- 54.84.23.146
- 54.86.178.25
- 54.86.186.253
- 54.86.84.223
- 54.86.25.179
- 54.88.187.113

<table>
<thead>
<tr>
<th>*.educode.com</th>
<th>104.17.52.29</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>104.17.53.29</td>
</tr>
<tr>
<td></td>
<td>104.17.54.29</td>
</tr>
<tr>
<td></td>
<td>104.17.55.29</td>
</tr>
<tr>
<td></td>
<td>104.17.56.29</td>
</tr>
<tr>
<td></td>
<td>207.24.42.153</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>*.webinservice.com</th>
<th>207.24.42.197</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>207.25.180.198</td>
</tr>
<tr>
<td></td>
<td>(Port 80 and 443)</td>
</tr>
<tr>
<td></td>
<td>D104.17.47.29</td>
</tr>
<tr>
<td></td>
<td>104.17.48.29</td>
</tr>
<tr>
<td></td>
<td>104.17.49.29</td>
</tr>
<tr>
<td></td>
<td>104.17.50.29</td>
</tr>
<tr>
<td></td>
<td>104.17.51.29</td>
</tr>
</tbody>
</table>

| ftp.elsevierperformancemanager.com | sftp.elsevierperformancemanager.com | 54.84.25.82 |
Host Names - Port 80/443

- app12.webinservice.com
- content.webinservice.com
- kdsconnect.webinservice.com
- www.mcstrategies.com
- mns.login.mcstrategies.com
- login.mcstrategies.com
- mns.connect.mcstrategies.com
- mns.skillsconnect.mcstrategies.com
- readinessassessment.mcstrategies.com
- cds.mcstrategies.com
- mnsinteropt.mcstrategies.com
- ecommerce.mcstrategies.com
- www.collegeofdirectsupport.com
- www.nursingskills.com
- www.mosbynursingskills.com
- www.mosbysnursingskills.com
- www.educode.com
Frequently Asked Questions

Is Elsevier Connect Content Compatible with My LMS?

If your LMS is AICC compliant, the Elsevier Connect files should work. Since each LMS may apply AICC protocols differently, we recommend you utilize the test files to ensure our content will work successfully with your LMS.

How Do I Load This Content into My LMS?

If you are unfamiliar with loading AICC Content into your LMS you will need to contact your LMS Vendor. Due to the large number of 3rd-party Learning Management Systems that are available today, we cannot support them on an individual basis. If your LMS is AICC compliant, your vendor should be able to help you import the content. Some LMS Providers require compensation for each course that is loaded. It is always best to inquire with your LMS Provider first if you have any questions.

What Type of Bandwidth Is Recommended?

A broadband connection is recommended. See the Minimum System Requirements for more information.

What If the Content Doesn’t Work on My LMS?

First, use the Troubleshooting Checklist found at the end of this document to eliminate common problems. Also review the Troubleshooting Tips. If that doesn’t fix the problem, please contact your Elsevier representative.

What Do I Need to Know about Loss of Network Connectivity?

There are three primary reasons for this to occur. The most common connectivity issue is a lack of network permissions. It is very important that your network or your LMS provider’s network allows access to our domains and IP addresses.

Another common problem is “Load Balancers” and “Optimizers” – These have been found to cause sporadic connections and limited connectivity.

Lastly, when your LMS connects to Elsevier eLearning Connect it will send a “Return URL” – this URL is used by us to gather student information and to pass completion information back to your LMS. It is mandatory that this URL be allowed external access by Elsevier. It is commonly blocked by firewalls, traffic filters, load balancers or optimizers.

How Does the Content Stay Up-To-Date?

Since we utilize AICC protocols the content isn’t actually installed or stored on your servers, but instead remains on our servers. As content is periodically reviewed by subject matter experts, updates are made and they will show up in the lessons you’ve already loaded immediately. If there are major revisions and changes are needed in your LMS, we’ll send a communication to let you know the specifics.

What If the Test Scores Aren’t Showing up in My LMS?

Caching of web pages may cause content and learner data to be inaccurate. Clearing your cache regularly may prevent this from happening. If that doesn’t fix the problem, please contact your Elsevier representative.
Are Pop-Up Windows a Requirement?

Yes. There are many pop-up blockers available today. Many of them are included in Toolbars that have been previously downloaded. Ensure that all pop-up blockers are disabled or uninstalled before launching our content to avoid issues with the content displaying.

Where Is the Content Hosted?

The content is hosted on our servers. When we update existing content, the updates appear for your learners. No need to upload new files each time updates are made. If new lessons are created, you will need to upload those to your LMS.

Do You Offer SCORM Files?

Yes. SCORM is a common interface, LMS providers have different levels of compliance. See the “What is SCORM” section of this document for specific guidelines.

How Do Learners Get CE for This Content?

Each lesson will begin with an introduction page (lesson information) that will outline the requirements for earning CE for that course or lesson. Requirements normally include passing the test with a minimum passing score. Some lessons may also require a survey or some other information be filled out prior to obtaining the certificate. Most certificates are available for each lesson, however, some accreditation providers require you to complete the entire course. The lesson information page will give you the specific information you need for each lesson. When you’ve met the requirements, you can print out your certificate. If you choose not to print at that time, you can re-enter the lesson and a link for the certificate will appear on the lesson information page. Please note, for LMS vendors that will not allow a learner to enter the same lesson multiple times, your learners will need to have the lesson reassigned or know to print immediately after completion.

What Personal Information about Learners Is Stored on Your Servers?

The required information stored is a unique ID to identify each learner: last name, first name, unique ID for the lesson, date the lesson was started, date the lesson was completed and the score.

For some CE requirements, additional information is needed to provide CE such as position title, profession, years of experience, license number, license state, address, phone number, and email address.
Troubleshooting Checklist

1. Is your LMS AICC compliant?
   - Yes  No
   If no, please contact your LMS provider as they may have another solution. If they do not, please contact your Elsevier Sales representative.

2. Were you able to import the course(s) in the LMS?
   - Yes  No
   If no, please contact your LMS Administrator or your LMS Vendor. They will have the latest information regarding how to import content into their product. Some LMS providers require compensation for each item to be imported. It is always best to confirm with your LMS provider if you have questions before you license the courseware. If they would like for us to be included in this call, we are happy to accommodate this request.

3. Do you meet the minimum system requirements?
   - Yes  No
   If no, send the Minimum System Requirements document to your IT team for assistance.

4. Did the course launch?
   - Yes  No
   If no, review the Troubleshooting Tips portion of this document.

5. If you save domains in your Trusted Sites, do you have both your LMS and Elsevier listed correctly?
   - Yes  No
   If no, add Elsevier (*.elsevierperformancemanager.com) and ask your LMS administrator for the exact listing that should be added to your Trusted Sites.

Please contact us if at any time you need our assistance.

Here is some information that will help us:

- Describe what steps were taken and provide screenshots of any errors.
- Let us know if the content was imported using the AICC Course Structure Files (CSF) or the URLs provided in the TEXT (txt) file.
- Let us know if you have successfully imported AICC content in your LMS before.
- Let us know the URL of your LMS – we will use the URL to search our database logs for communication from your LMS to our content.
Contacting Elsevier

Client Services

Email:  customercare@elsevier.com

Phone:  1 (866) 344-2088

Be sure to include your Name, Company, LMS Provider, screen shots of any error messages, the URL of your LMS and any other information that may help diagnose the issue being experienced.
CONNECT Customers Only

The following sections apply to CONNECT Customers only.
Elsevier eLearning Connect Introduction

Elsevier eLearning Connect allows customers the ability to utilize Elsevier’s eLearning and partner content from within 3rd Party learning management systems (LMS) via AICC or SCORM 1.2.

You can purchase world-class content from Elsevier and access this content from the LMS of your choice. However, your LMS must be AICC or SCORM 1.2 compliant for the content solution to work.

What Should I Do First?

Successful implementation of Connect Content depends on three key elements working together:

- Your LMS is AICC compliant.
- Elsevier’s eLearning content has been converted to Connect Content.
- Your network allows Elsevier content to post scores and completion data back to your LMS.

What is AICC?

AICC stands for the Aviation Industry CBT (computer-based-training) Committee. It was formed in 1988 out of the need for standardization of CBT delivery platforms. By developing standardization, the AICC has made it possible for Learning Management System (LMS) vendors to be able to integrate 3rd-party training and other learning materials. This allows customers to have many more courses and curricula available to them provided that their LMS is AICC Compliant. To learn more about AICC, visit [www.AICC.org](http://www.AICC.org).

What AICC Parameters Do You Use?


- Lesson_Location: Bookmark information, the lesson location last visited.
- Lesson_Status: The current completion status (complete/incomplete).
- Score: The score achieved, or blank.
- Time: Participation time this visit.
- Launch URL: The launch URL will pass the AICC_SID and AICC_URL.
• GetParam: includes all mandatory items below:

```plaintext
<table>
<thead>
<tr>
<th>Group Names and Keywords</th>
<th>Communication Data Model Name</th>
<th>Section</th>
<th>CMI Obligation</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Core]</td>
<td>Core</td>
<td>2.1</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Student_ID</td>
<td>Core.Student Id</td>
<td>2.1.1</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Student_Name</td>
<td>Core.Student Name</td>
<td>2.1.2</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Lesson_Location</td>
<td>Core.Lesson Location</td>
<td>2.1.4</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Credit</td>
<td>Core.Credit</td>
<td>2.1.5</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Lesson_Status</td>
<td>Core.Lesson Status</td>
<td>2.1.6</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>Core.Entry</td>
<td>2.1.8</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Score</td>
<td>Core.Score</td>
<td>2.1.10</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>Core.Score.Raw</td>
<td>2.1.10</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>Core.Score.Max</td>
<td>2.1.10</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>Core.Score.Min</td>
<td>2.1.10</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Time</td>
<td>Core.Total_Time</td>
<td>2.1.12</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Lesson_Mode</td>
<td>Core.Lesson Mode</td>
<td>2.1.13</td>
<td>Optional</td>
</tr>
<tr>
<td>[Core_Lesson]</td>
<td>Suspend Data</td>
<td>2.1</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Core_Vendor</td>
<td>Launch Data</td>
<td>2.3</td>
<td>Mandatory</td>
</tr>
</tbody>
</table>
```

• PutParam: includes these mandatory items:

```plaintext
<table>
<thead>
<tr>
<th>Group Names and Keywords</th>
<th>Communication Data Model Name</th>
<th>Section</th>
<th>CMI Obligation</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Core]</td>
<td>Core</td>
<td>2.1</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Lesson_Location</td>
<td>Core.Lesson Location</td>
<td>2.1.4</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Lesson_Status</td>
<td>Core.Lesson Status</td>
<td>2.1.6</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>Core.Exit</td>
<td>2.1.7</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Score</td>
<td>Core.Score</td>
<td>2.1.10</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>Core.Score.Raw</td>
<td>2.1.10</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>Core.Score.Max</td>
<td>2.1.10</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>Core.Score.Min</td>
<td>2.1.10</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Time</td>
<td>Core.Session_Time</td>
<td>2.1.12</td>
<td>Mandatory</td>
</tr>
<tr>
<td>[Core_Lesson]</td>
<td>Suspend Data</td>
<td>2.1</td>
<td>Mandatory</td>
</tr>
<tr>
<td>[Comments]</td>
<td>Comments From Learner</td>
<td>2.4</td>
<td>Optional</td>
</tr>
<tr>
<td>[Objectives_Status]</td>
<td>Objectives</td>
<td>2.6</td>
<td>Optional</td>
</tr>
<tr>
<td>J_ID.n</td>
<td>Objectives.ID</td>
<td>2.8.1</td>
<td>Optional</td>
</tr>
<tr>
<td>J_Score.n</td>
<td>Objectives.Score</td>
<td>2.8.2</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Objectives.Score.Raw</td>
<td>2.8.2</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Objectives.Score.Max</td>
<td>2.8.2</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Objectives.Score.Min</td>
<td>2.8.2</td>
<td>Optional</td>
</tr>
</tbody>
</table>
```
What is SCORM?

Sharable Content Object Reference Model (SCORM) is a reference model that makes use of pre-existing standards for Learning Management System (LMS). This model enables the integration of 3rd-party training and other learning materials into Learning Management Systems. Customers whose systems are SCORM compliant have access to more courses and curricula.

To learn more about SCORM, visit:

http://scorm.com/scorm-explained/technical-scorm/scorm-12-overview-for-developers/

What SCORM Parameters Do You Use?

All SCORM Learning Management systems must implement the following parameters/functions in order to be considered SCORM compliant.

LMSInitialize()
Signals that the lesson has been started.

LMSFinish()
Signals that the lesson has ended.

LMSGetValue()
Retrieves data model elements from the third party LMS.

LMSSetValue()
Sets data model elements on the third party LMS.

LMSCommit()
Commits all transactions that have been made through the LMSSetValue function.

LMSGGetLastError(), LMSGGetErrorString(), LMSGGetDiagnostic()
Pre-Sale Connectivity Verification

Prior to purchasing Elsevier Connect content we want to ensure that your organization will be able to actually utilize the content. For this reason, we suggest you perform a Pre-Sale Connectivity Verification.

1. Determine if your LMS is AICC Compliant. Do one of the following:
   - If LMS is compliant, go to step 2.
   - If LMS is not compliant, speak to your Elsevier representative about alternative solutions.

2. Determine if your LMS is web-based or locally installed. Do one of the following:
   - If LMS is web-based, go to step 3. Is your LMS web-based (Internet vs. installed)?
   - If LMS is locally installed, speak to your Elsevier representative about alternative solutions.

3. Determine if your system meets the minimum system requirements.
   - Note: Some content packages may have additional system requirements.
   - If your system meets the minimum system requirements, continue to step 4.
   - If your system does not meet the minimum system requirements, we suggest you work with your IT team to resolve ensure compliance.

4. Unzip the Elsevier eLearning Connect Test Package and load the AICC course files into your LMS. If you are unsure how to do this, please contact your LMS vendor for LMS-specific instructions. Some LMS providers prefer launch urls instead of course files. If this is the case, please let us know and we can provide a spreadsheet with the information.

5. Test Elsevier eLearning content on your LMS. We suggest going through multiple lessons and tests with at least one failing score and one passing score. The answers to the test questions are in the questions themselves so you will be able to fail and pass as desired.

6. If there are no issues, you are ready to make your purchasing decision. If you have any problems, please contact us and we’ll work with you, your LMS vendor and IT team.

Post-Sale Implementation

1. Please remove the test lessons.

2. We will send files for the Elsevier eLearning Content you purchased.

3. Unzip and load the AICC Course files into your LMS just like you did with the Test Package.

4. Save your Client Service person’s information as a contact. Also, ensure your email server allows emails to be received from “@elsevier.com.” Periodically you will receive an email with vital information about your purchase.
Maintaining Your Connect Content

**On-Going Updates**

Our Client Services department will send you specific product update information for each of your products. You may also receive a newsletter with additional information throughout the year. The 3 types of product updates that are relevant to your connect content are updates to existing lessons, creation of new lessons and expired lessons.

**Updates to Existing Lessons**

As content is updated, you will see the updates without having to re-load the content. This is possible because we utilize AICC and the content is actually stored on our servers.

**New Lessons**

If we add new lessons or you make additional purchases, we will send you additional packages. You will need to load these new lessons into your LMS.

**Expired Lessons**

Sometimes lessons are no longer viable and need to be removed. You will see those titles in an email notification from Client Services. Learners will not be able to access the information, if they attempt to launch expired lessons. You will need to remove or inactivate expired lessons within your LMS to prevent your end-users from attempting to access these lessons.

**Elsevier Connect File Structure**

Our content is purchased at the curriculum or course level. We define “Curriculum” as a group of courses that fall within a particular category. Courses contain the individual lessons. Connect content files are packaged at the course level.

Our content is purchased at a course level, but it is delivered at a lesson level. You have the option of having the files packaged by course or by lesson. Course level files each contain multiple lessons. Lesson level files are the individual lessons at their most granular level. Each LMS or content provider may use “course” or “lesson” to define different learning elements. By default, we send course level files. Here’s how we define curriculum, course and lesson.

**Curriculum**: Mosby’s Medical Terminology (may contain several courses)

**Course**: Medical Terminology

**Lessons**:
  - Intro to Med Term
  - Musculoskeletal System: Anatomy & Physiology
  - Cardiovascular System: Anatomy & Physiology
Cardiovascular System: Pathologic Conditions
Cardiovascular System: Diagnostic Procedures and Therapeutic Interventions

Only four files are required for AICC and they are referred to as Course Structure Files (CSF); however, Elsevier provides a text file that contains the lesson title and launch URL for those LMS that can only import AICC content via a direct link (URL).

1. **.AU** (Assignable Unit). This file contains the information necessary for launching each lesson within the course.
2. **.CRS** (Course). This file contains the course information such as the number of lessons, the creator, and the course description.
3. **.CST** (Course Structure). Determines the order of the lessons in the course.
4. **.DES** (Description). This file lists out the title of each lesson that is contained in the course.
5. **.XLSX** (Provided as a courtesy for LMS that do not support the files above). Contains the course ID, lesson title and launch URL.