CambridgeSoft Training

Desktop Software
Enterprise Solutions

Chemical & Biological
Research Informatics

Laboratory, Development &
Manufacturing Informatics

Knowledge Management
Scientific Databases
Training Solutions available from CambridgeSoft
Maximize Productivity

Implementing new software solutions into an existing business infrastructure often requires customers to spend valuable time coming up to speed before they can realize the true benefits of the new technology. Given the current state of rapidly changing technology, many companies are operating with fewer personnel and therefore have less time to learn all of the ins and outs of new software. Furthermore, when businesses invest in a new software solution they often expect a quick return on investment without compromising the integrity and availability of data. Considering all these factors, it comes as no surprise that businesses today need all of the assistance they can get to capitalize on their investment. CambridgeSoft is pleased to present a comprehensive portfolio of technical training and educational services designed to help customers maximize productivity and take full advantage of all our software has to offer.

Realize the Potential

CambridgeSoft Educational Services are designed to help user’s acquire, maintain and optimize their skills. Focused instruction from dedicated and highly trained professionals allows users to quickly get up to speed and realize a solid return on investment. Through effective training, businesses can learn how to more effectively leverage the power of CambridgeSoft’s desktop software, enterprise solutions and scientific databases. The key to staying competitive in today’s world is to stay informed. Let CambridgeSoft give you the skills that will carry you into the future. CambridgeSoft courses are designed to maximize your hands-on time with the software. Participants will learn time saving skills, searching techniques to allow them to rapidly find the information they need, advanced drawing methods, how to quickly create professional-quality reports, and other details of the software that will enhance productivity and scientific insight.
Chem & Bio Office Desktop

Research, Discovery, Development,

**KNOWLEDGE MANAGEMENT**

Research organizations thrive when information is easily captured, well organized and readily available. E-Notebook Enterprise streamlines record keeping with rigorous security and efficient archiving, and facilitates text and structure searching. E-Notebook provides organizations with a powerful mechanism to transfer mission critical work product from shared drives to a well-organized, compliant and searchable Oracle application. MS Office, chemical structures and workflow support modules are provided for the full range of research and development activities.

**LABORATORY INFORMATICS**

Laboratory Informatics includes Workflow LIMS for instrumentation automation, Compliant DB for storage of your data and the Oracle Cartridge which is the industry’s only enterprise content management system developed by a large pharmaceutical company.

**BIOLOGICAL INFORMATICS**

Finding structural determinants of biological activity requires processing masses of biological assay data. Scientists use BioAssay Enterprise and BioSAR Enterprise to set up biological models and visualize information. The BioViz application allows you to create graphical representations of data.

**CHEMICAL INFORMATICS**

Managing huge data streams is a key challenge. Registration Enterprise organizes information about new compounds according to an organization’s business rules.
to Enterprise Solutions

Trials and Manufacturing

MANUFACTURING INFORMATICS

CambridgeSoft’s Inventory Enterprise application is designed to manage the chemical, reagent, sample and compound tracking needs of large multi-site chemical and pharmaceutical laboratories. Inventory Enterprise is an Oracle-based, ChemOffice Enterprise product that is designed for multiple users with diverse container types, racks, and multi-well plate formats.

DESKTOP SOFTWARE

Success begins at the desktop, where scientists use ChemOffice, ChemDraw, BioOffice and BioDraw to pursue ideas and communicate with the natural language of chemical structures, biological pathways, and models. Scientists organize information and manage data with E-Notebook and Inventory. ChemBio3D provides modeling, ChemBioFinder aids searching, while BioOffice adds BioDraw, BioAssay and BioViz. All are integrated with Microsoft Office to speed research tasks.

SCIENTIFIC DATABASES

Good research depends on reference information, starting with the structure-searchable ChemACX Database of commercially available chemicals and Sigma-Aldrich MSDS. The Merck Index and other scientific databases provide necessary background about chemicals, their properties, and reactions.

PROFESSIONAL SERVICES

CambridgeSoft’s scientific staff has the industry experience and the chemical and biological knowledge to maximize the effectiveness of your information systems.
Training

CambridgeSoft offers five different types of training for its Enterprise applications:

1. Basic Training — hands-on training conducted according to standard CambridgeSoft syllabi, using generic training workbooks & materials
2. Customized Training — hands-on training tailored to the client’s workflow, using a custom syllabus and custom training materials
3. Instructor Led Web Session Training — training performed over the internet with GoToMeeting and a conference call
4. Train-the-Trainer Training — a two part offering, training materials, as well as classroom instruction are provided to educate your training staff, so they can deliver training on our products.
5. E-Learning — self-paced training performed over the Internet

The basic and customized training courses are normally held at the client site, but can also be held at the CambridgeSoft facilities in Cambridge, MA.

Basic Training

Basic training is hands-on training, meaning that during the class, each user is provided with a workstation that has the software installed. The training is conducted according to the standard CambridgeSoft course syllabi, using generic training workbooks and materials that were developed for the Core Enterprise Applications. Costs are based on a flat rate plus a cost per day per person greater than five (5).

Customized Training

Customized training is hands-on training as well, but it is tailored to the client’s business practices and workflows. For customized training, CambridgeSoft will work with the client to develop custom training workbooks and a custom syllabus that reflect the client’s optimal usage of the system. Costs are based on a flat rate plus a cost per day per person greater than five (5), plus any additional costs that may be associated with the creation of the customized training course materials.
Information

Instructor Led Web Session Training

Instructor led training is training performed at a distance. Due to the nature of this delivery format, the client will not be responsible for any travel expenses for the instructor, but will be charged the same price for the delivery as a Face-to-Face training session. In this method of delivery the instructor and class participants will dial into a conference call and a web session and work together in this environment for the duration of the training. The instructor will deliver the same content as in a Face-to-Face training session and be able to address questions directly, as posed by the group. An ideal class size for this style of delivery is ten (10) students, but larger class sizes can be accommodated, please inquire directly with the Training Department.

Train-the-Trainer

Train-the-Trainer is a two part offering that provides our customers with the relevant training materials, as well as classroom instruction to bring E-Notebook User training in-house. We provide all of the training materials necessary to deliver high quality training, as well as additional supporting materials, this is a complete training solution. The offering includes the following materials in electronic format: User Training Manual, PowerPoint Slides and Quick Reference Cards. In addition to the materials that are provided in this offering, we also offer two different types of Instructor Led Training programs to provide your staff with classroom instruction on the product, as well as presentation tips and an opportunity to practice training delivery under our instruction. Costs are based on the number of licensed users at your organization, as well as the Instructor Led Training program that is selected.

E-Learning

E-Learning is self-paced training performed over the internet. This cost effective learning solution provides modularized online instruction, as well as a certification assessment at the end of the course. User specific course access details are sent directly to each student when they sign up for the course. Orders can be processed for individual students or via a bulk upload, in the case where there are many students seeking access to the course. Costs are based on a per user license fee, which provides access to the course for one full year.

Class Size

Ten (10) students is our maximum class size, please check with the training department for options, if you are interested in training solutions with more than ten (10) participants.
ChemDraw
User Fundamentals

Topics include: drawing chemical structures, captions and atom labels, orbitals, symbols and other shapes, manipulate drawings, draw query structures, use analytical tools, use the TLC plate tool and sharing ChemDraw information.

**BENEFIT**

This course will provide instruction on how to effectively use the best chemical drawing software available today.

BioDraw

Topics include: drawing biological pathways, drawing and annotating plasmid maps and creating cells structures and organelles.

**BENEFIT**

This course will provide instruction on how to use the best chemical drawing software integrated with biological pathway drawing and cellular element drawing tools.

ChemDraw
Legal Professionals

Topics include: ChemDraw basics, drawing techniques, annotations, analysis tools, improving drawing efficiency, drawing reactions, strategizing the drawing process, customization, and advanced features.

**BENEFIT**

This course will teach you how to use ChemDraw in your chemical and drug patent work.
Software

ChemDraw

New Features, Tips and Tricks

Topics include: ChemDraw basics, drawing techniques, annotations, analysis tools, improving drawing efficiency, drawing reactions, strategizing the drawing process, customization, and advanced features.  

½-Day

BENEFIT

This course will provide instruction on how to utilize the new features of ChemDraw.

Chem3D

Basic topics include: modeling 3D structures for graphic presentations, mixed mode modeling, annotated 3D models, printing and exporting models, computational concepts and SAR descriptors.

Advanced topics include: Molecular modeling to understand structural properties through molecular mechanics, semi-empirical and ab initio methodologies.  

1-Day: ½-Day Basic & ½-Day Advanced

BENEFIT

This course will provide instruction on 3D-surface characterization of properties, ligand-receptor binding, overlays, and dihedral drivers.

ChemFinder

Topics include: creating and editing forms, searching, relational data and subforms, importing and exporting data and customizing ChemFinder.  

½-Day

BENEFIT

This course will teach you how to use the ChemFinder database management system for chemical information. It provides a place to store chemical structures, physical properties, experimental results, notes, tables of data and charts based on the data. This course is designed for both new and infrequent users of ChemBioFinder who want to learn about the basics of the program quickly. It is also designed for those that want to get acquainted with some of the newer features of the program.
Basic

Learn to use CambridgeSoft’s chemical scripting environment, where chemical business rules can be applied to chemical objects by using customizable scripts. ChemScript provides individual users access to CambridgeSoft’s chemistry algorithms and chemical intelligence using the powerful and widely supported Python programming language.

Topics include: introduction, installation, Python language, ChemScript details, and programming examples.

BENEFIT

Learn how to use the essential components of CambridgeSoft E-Notebook, how to browse through the E-Notebook application and manage your data effectively using the extensive E-Notebook feature set.

E-Notebook

Topics include: terminology navigation, user collection, notebooks and notebook operations, creating, signing, closing, and witnessing experiments, batch explorer and searching.

BENEFIT

½-Day

ChemScript

½–1-Day

ChemBioViz

Topics include: retrieving or searching for data, plotting data, plot presentation options, shortcuts for creating plots, performing statistical analysis, tree controls and linking plots for high-dimensional analysis.

BENEFIT

ChemBioViz transforms the numbers in your database into graphics on your screen, allowing users to identify trends and correlations within and between subsets of data. Retrieve or search for a set of compounds, choose the data you want to see, whether it is biological test results, physical property values calculated automatically or prices in a catalog, and BioViz will generate an interactive window showing a scatter plot, histogram, or other useful data graphic.
Learn how to manage chemical and non-chemical Inventory data for research chemical sourcing and purchasing.

*An additional half-day of support is available to assist your administrator in setting up user accounts and privileges.

CombiChem for Excel

Topics include: creating a reaction sheet, drawing your reactions, creating the reactant worksheets, importing reactants, importing an experiment, configuring plates, assigning reagents and Products to WellPlates, browsing plates and showing and hiding structures.

1 hour — can be included in ChemFinder course

Learn about CombiChem for Excel, an engine for generating combinatorial libraries in Microsoft Excel using ChemDraw to provide structures drawings.
Desktop Software

ChemOffice and ChemDraw


COURSES

ChemDraw: (1 day)
ChemFinder: (½ day)
Chem 3D: (1-Day: ½ Day Basic and ½ Day Advanced)

ChemFinder and ChemBioViz

This course will provide instruction on Form design, simple and advanced searching techniques, ChemBioViz for graphical display of data, and ChemFinder for Excel.

COURSES

ChemFinder: ¼-Day
ChemBioViz: ½-Day

ChemBioOffice


COURSES

ChemBioDraw: 1-Day
ChemBioFinder: ½-Day
ChemBio3D: ½-Day
Training Packages

Workgroup Ultra

COURSES

ChemDraw: 1-Day
E-Notebook User: 1-Day
BioAssay: 1-Day
Inventory: ½-Day
ChemBioViz: ½-Day
ChemACX/ChemIndex: ½-Day
ChemDraw for Excel: ½-Day

3-Days

Workgroup Pro

COURSES

E-Notebook: 1-Day
BioAssay: 1-Day
Inventory: ½-Day
ChemACX / ChemIndex: ½-Day

3-Days

Workgroup System Administration

COURSES

E-Notebook: 1½-Day
BioAssay: 1-Day
Inventory: ½-Day

3-Days

All specifications subject to change without notice.

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User Courses

**E-Notebook**

**Introduction**

Topics include: browsing E-Notebook, adding notebook data, reaction data, spectral data, data in tables and property lists and Microsoft Office data: Word, Excel and PowerPoint. In addition the course will also cover: sending files to E-Notebook, working with templates, rendering the experiment—a printed hardcopy and/or an electronic signature, history and the audit trail and searching for data in E-Notebook.

**BENEFIT**

Learn the essentials for using CambridgeSoft’s E-Notebook, learn how to browse through the E-Notebook application and manage your data effectively using the extensive E-Notebook feature set.

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**E-Notebook**

**User Fundamentals and Advanced**

Topics include: terminology, navigation, user collection, notebooks and notebook operations, creating, signing, closing, and witnessing experiments, batch explorer, and searching.

User Advanced topics include: terminology, configuring collection types and section types, field types, forms, reports, management of groups and users, and security.

**BENEFIT**

Learn how to browse through the E-Notebook application, managing your data effectively using the extensive E-Notebook feature set, searching for data within E-Notebook and the features that make this application 21 CFR 11 compliant.
Management

Administrator Courses

**E-Notebook**

**Administrator Fundamentals**

Topics include: workflow administration, form design, states and transitions, creating users and groups, the data model, rendering, and maximizing security issues. **2-Days**

**BENEFIT**

Learn the fundamentals of administering your E-Notebook.

**E-Notebook**

**CombiChem**

Topics include: generic reactions, component subsections, enumeration wizard, plate vs. small array, reaction/product naming and plate layout. **1/2-Day**

**BENEFIT**

Learn the fundamentals and how to use E-Notebook CombiChem.

**E-Notebook**

**XML Scripting**

Topics include: importing the configuration, sections / collections, user configuration, creating relationships, creating user hierarchies, adding new features to an existing configuration, database parameters, and updating existing configuration. **1/2-Day**

**BENEFIT**

Learn how to utilize XML scripting to configure and customize your E-Notebook.

**E-Notebook**

**Data Model**

Topics include: data schema, audit schema, indexes, views, packages, procedures, functions, synonyms and sequences. **1–2-Days**

**BENEFIT**

Learn how to work with the data model to collect data that is not summarized in the user interface, to fully utilize existing configuration options, to design add-ins and to troubleshoot installation problems.

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Knowledge Management

Developer Course

E-Notebook

Topics include: Overview, object model, data model, logging, setting up a development environment, working with add-ins, working with tables and property lists, how to debug an add-in in real time, form tools, states and transitions, creating field controls, SDK, and administration.

3-Days

BENEFIT

Learn how to setup and utilize your development environment for E-Notebook.

* It is our suggestion that all developers also take the E-Notebook Administrator Fundamentals 2-Day course.
Knowledge Management Training Packages

E-Notebook

Learn how to manipulate all features in the E-Notebook software package

COURSES

E-Notebook User: 2-Days
E-Notebook Administrator Fundamentals: 2-Days
E-Notebook Developer: 3-Days
Manufacturing

Inventory Enterprise

Fundamentals

Topics include: benefits of Inventory Enterprise, terminology, configuration, navigation, required and extensible fields, accessing, managing locations and containers, streamlining your workflows, managing compounds, creating containers, searching, and managing plate inventory.

BENEFIT

Learn to manage substances and containers with the Reagent Inventory application. This course includes an overview of sample management workflows, and instructions for conducting effective searches, including simultaneous searching of Inventory Manager, Registration and ChemACX.

Inventory Enterprise

Advanced Users

Topics include: advanced plate features, creating plates, certification workflow, optional features, custom reporting, EH&S data, managing links, integration with Registration, ChemACX, and Document Manager, managing tables, managing container requests, audit trails, managing grids, managing users and roles.

BENEFIT

Learn to track your inventory to ensure you have accurate information on the chemicals in storage to ensure adequate supplies and efficient replenishment. Chemical inventory users must have CambridgeSoft’s Inventory Enterprise which provides a full-featured web-based application to meet all of these needs.
Informatics

Inventory Enterprise

Topics include: application architecture, review of container specific APIs, familiarity with the important tables in Inventory, security, calling APIs as HTTP requests, and practice analysis and assembly of APIs. 1½-Day

Benefit

Learn to create and manipulate substances, compounds and locations within Inventory Enterprise using API calls. Use statuses, locations and other container and substance attributes as a basis for defined steps within a workflow. Build workflows out of these steps to meet custom business requirements.

Plate Inventory

Topics include: daughtering plates, reformatting plates, quantity tracking in plates, searching for and moving plates, using wizards for plate management operations and interface with liquid handlers. 1-Day

Benefit

Learn to setup, configure, and manage plates with Inventory Manager and BioAssay HTS. The course includes instructions for configuring inventory locations to contain plates, and an overview of how to search for plates.
BioAssay

Topics include: assay management and manipulation, designing an assay, importing data, validating and analyzing data, configuring plate settings, plate inventory, creating plates from a ChemFinder database, security, integration with Registration and BioSAR browser. Can also include administrator, protocol administrator, and advanced end user topics.

**BENEFIT**

Learn to store, retrieve and analyze your biological data. BioAssay can be used for modeling complicated in vivo experiments, or supporting an ultra-HTS platform, BioAssay is an ideal choice for managing biological experimental data. The software supports the quick set-up of biological models, automated calculations and curve fitting, data validation, and the creation of customized structure activity reports.

BioSAR

Topics include: BioSAR Overview, terminology, configuration, integration options, schema management, managing forms, reporting, using BioSAR Enterprise and administrator and end user protocols.

**BENEFIT**

Learn to access and visualize data quickly and easily. BioSAR has been designed to provide a simple, web-based interface, removing the dependence on IT support. Multiple data types, including customer proprietary data, may be accessed and displayed. Users define form and report layouts to combine biological and chemical data seamlessly. Through report generation and SD file export, users have the ability to transport query results in a variety of formats.
Informatics

ChemBioViz

Topics include: retrieving or searching for data, plotting data, plot presentation options, shortcuts for creating plots, performing statistical analysis, tree controls and linking plots for high-dimensional analysis. 1/2-Day

Benefit

Learn to transform the numbers in your database into graphics on your screen. ChemBioViz allows users to identify trends and correlations within and between subsets of data. Learn how to retrieve or search for a set of compounds, choose the data you want to see, whether it is biological test results, physical property values calculated automatically or prices in a catalog, and BioViz will generate an interactive window showing a scatter plot, histogram, or other useful data graphic.

Registration

Topics include: overview, benefits, configuration, navigation, workflows, use, access, searching, row level security, integration options, batch loading compounds, and administration tasks. 1-Day

Benefit

Learn to utilize the web based application for storing and searching over a proprietary chemical registry. The registry contains pure compounds and batches while managing salts, automatic duplicate checking and unique 1D assignments.

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All specifications subject to change without notice.
Topics include: overview, how to import, how to create indexes, searching, options and the science behind the chemistry.

**BENEFIT**

Learn to import structures, create cartridge indices, as well as the use of cartridge and the underlying science. The CambridgeSoft Oracle Cartridge supports CDX, CDXML, MolFile, RXN, and SMILES formats making it flexible enough to be included with both new and legacy data, without the need for conversion.

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Topics include: introduction, installation, Python language, ChemScript details, and programming examples.

**BENEFIT**

Learn to use CambridgeSoft’s chemical scripting environment, where chemical business rules can be applied to chemical objects by using customizable scripts. ChemScript provides individual users access to CambridgeSoft’s chemistry algorithms and chemical intelligence using the powerful and widely supported Python programming language.
Informatics Training Packages

BioAssay, BioSAR and BioViz

Learn to design and manage assays with CambridgeSoft’s BioAssay. Learn to set up and manage powerful customized searches and reports with BioSAR browser. The BioViz portion of the course teaches the tools for analyzing and plotting your data.

COURSES

BioAssay: 1-Day
BioSar: ½-Day
ChemBioViz: ½-Day

ChemBioOffice Enterprise

User

This course is designed for the user of the ChemBioOffice software suite. The topics are: E-Notebook system operation and integration, Registration and Inventory system operation, BioAssay system operation, BioSAR and ChemBioViz operation. Integration between all of the suite components will be covered.

COURSES

Registration: ½-Day  Inventory and ChemACX: 1-Day

ChemBioOffice Enterprise

System Administrator

This course is designed for the system administrator of the ChemBioOffice software suite. The topics are: E-Notebook system operation and integration, Registration and Inventory system operation, BioAssay system operation, BioSAR and ChemBioViz operation. Integration between all of the suite components will be covered.

COURSES

Registration: ½-Day  Inventory and ChemACX: 1-Day

All specifications subject to change without notice.
Scientific Databases

ChemACX with ChemMSDX

Basic topics include: What is ChemACX?, getting started, basic searching, advanced searching, viewing and managing results and procurement.
Administration topics include: Installation, database administration, display preferences, configuration: export to Excel and/or Word and configuration: export of hits to SD file.

BENEFIT

Learn to search, manage and procure fine chemicals using the ChemACX Database and ChemOffice Enterprise. Find safety information using ChemMSDX, also covered is administration of the ChemACX application on ChemOffice Enterprise.
Grouped Training Packages

E-Notebook and Inventory

COURSES

2-Days

E-Notebook: 1-Day
Inventory: 1-Day

Inventory and Registration

COURSES

2-Days

Inventory: 1-Day
Registration: 1-Day
Do you have the internal capabilities to deliver training within your own organization? Do you want to empower your own organization to deliver training when and how it wants? Do you want to effectively deal with the training costs around employee turnover?

CambridgeSoft now has a solution that is right for your organization to address these E-Notebook User training needs. Not only is this solution cost effective, but it empowers your organization to take control of your internal training. In addition, there is no need to worry about updating the materials for a new E-Notebook release, because we can do that for you.

We would like to introduce the new Train-The-Trainer offering for E-Notebook 11 User. We provide you with all of the training materials you will need to train your teams from start to finish.

**The Package Includes:**

1. E-Notebook 11 User Training Manual
2. E-Notebook 11 PowerPoint Slides
3. E-Notebook 11 Quick Reference Cards:
   - Logging In to E-Notebook
   - Browsing Around
   - Creating Data
   - Batch Explorer
   - Searching
   - CombiChem
4. Additional Supporting Training Materials:
   - Trainer Checklist
   - Training Certificates
   - Training Feedback and Evaluation Form
   - Training Sign-In Sheet

**Why Train-The-Trainer?**

- Save Money on Training
- Address Turnover Training
- Empower your organization by developing your internal training resources
- Empower your organization by developing your employees
- Create training programs specific to your workflows and overall needs
- Create internal experts on CambridgeSoft products
- No more trying to find time to train your people using outside resources
- Create your own customized training tools using the provided information
- Make these materials available to employees for self-paced learning

For more information on the E-Notebook 11 Train-The-Trainer course or any of our other valuable training solutions, please contact your CambridgeSoft representative.
ChemDraw is the industry standard structure drawing suite for the serious professional to draw accurate, chemically-aware structures for use in database queries, preparation of publication-quality graphics, and entry for modeling and other programs that require an electronic description of molecules and reactions as well as advanced prediction tools. ChemDraw also provides a drawing tool for biological pathways. It includes common pathway elements (membranes, DNA, enzymes, receptors, etc.) as well as the ability to import other elements. One of the advantages over alternative pathways drawing tools is the integrated power of ChemDraw’s chemical intelligence. ChemDraw is the gold standard for chemical and biological drawing, publication, and query preparation.

In this course you will learn about the following topics:

1. How to start ChemDraw
2. ChemDraw menus
3. Tool palette overview
4. Basic drawing techniques
5. Drawing tips
6. Do and Undo
7. Save and Open
8. Working in docs
9. Cleanup Structure
10. Chemical Reactions
11. Shortcuts
12. Hotkeys
13. Nicknames
14. Calculation Properties
15. NMR
16. Name=Structure
17. Sequence tool
18. ChemACX

Estimated Duration: 3-5 hours

Access: Six full months of access

Who Should Attend: New ChemDraw Users

Prerequisites: Users should have used applications in a Windows environment and be familiar with Microsoft Office and Acrobat.

To learn more, contact the Training Department at training@cambridgesoft.com or visit the course description online at: http://scistore.cambridgesoft.com/ScistoreProductPage.aspx?ItemID=5837
ChemDraw is the gold standard for chemical and biological drawing, publication, and query preparation. The ChemDraw Advanced E-Learning Course will teach you how to utilize some of the most useful advanced features and functionality of the industry leading ChemDraw software.

The course benefits are:

- Training on the newest features of ChemDraw
- Learning how to customize the program to suit your most frequent needs
- Creating more sophisticated chemical drawings
- Becoming more adept at using ChemDraw to work faster and more efficiently
- Learning how ChemDraw interacts with other programs from the ChemOffice suite and CambridgeSoft online databases

In this course you will learn about the following topics:

**Customizations**
- Nicknames
- Templates
- Stylesheets

**Features**
- Arrows and Shapes
- Table Tool
- TLC Plate Tool
- Hotlink

**Techniques**
- Perspective Drawing
- Generic-Delocalized Bonds
- R-Group

**Estimated Duration:** 3–5 hours

**Access:** Six full months of course access

**Who Should Attend:** New users of E-Notebook

**Prerequisites:** Users should have used applications in a Windows environment and be familiar with Microsoft Office and Acrobat.

To learn more, contact the Training Department at training@cambridgesoft.com or visit the course description online at: http://scistore.cambridgesoft.com/ScistoreProductPage.aspx?itemID=60237
ChemDraw Bundled E-Learning Course

ChemDraw is the gold standard for chemical and biological drawing, publication, and query preparation. The ChemDraw Advanced E-Learning Course will teach you how to utilize some of the most useful advanced features and functionality of the industry leading ChemDraw software.

In this course you will learn about the following topics:

<table>
<thead>
<tr>
<th>Basic Course Topics</th>
<th>Advanced Course Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. How to start ChemDraw</td>
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<tr>
<td>8. Working in docs</td>
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<tr>
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</tr>
<tr>
<td>13. Nicknames</td>
<td>13. TLC Plate Tool</td>
</tr>
<tr>
<td>15. NMR</td>
<td>15. Perspective Drawing</td>
</tr>
<tr>
<td>16. Name=Structure</td>
<td>16. Arrows and Shapes</td>
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<tr>
<td>17. Sequence tool</td>
<td>17. Table Tool</td>
</tr>
<tr>
<td>18. ChemACX</td>
<td>18. TLC Plate Tool</td>
</tr>
</tbody>
</table>

Estimated Duration: 6-10 hours

Access: Six full months of course access

Who Should Attend: New ChemDraw Users

Prerequisites: ChemDraw Basic course or experience in using ChemDraw on a frequent basis; users should also have used applications in a Windows or Macintosh environment and be familiar with Microsoft Office and Acrobat.

To learn more, contact the Training Department at training@cambridgesoft.com or visit the course description online at: http://scistore.cambridgesoft.com/ScistoreProductPage.aspx?ItemID=5837 http://scistore.cambridgesoft.com/ScistoreProductPage.aspx?ItemID=5957
Chemistry E-Notebook User E-Learning Course

CambridgeSoft’s E-Notebook streamlines the daily record-keeping of research scientists. Designed to replace paper notebooks, E-Notebook Electronically organizes information that is typically stored in paper notebooks by incorporating MS Excel & Word, ChemDraw reactions, stoichiometry grids and spectral data.

Course benefits include:
- Learn the different ways to navigate through the program
- Learn how to create notebooks and experiments
- Learn how to import data from outside sources

In this course you will learn about the following topics:

1. Introduction to E-Notebook
2. Getting Started
3. Overview of E-Notebook
4. Sections
5. Different Section Types
6. Reaction Section
7. Batch Explorer
8. E-Signatures
9. Searching
10. Getting Data In and Out of E-Notebook
11. Working Offline

Estimated Duration: 3–5 hours

Access: Six full months of course access

Who Should Attend: New users of E-Notebook

Prerequisites: Users should have used applications in a Windows environment and be familiar with Microsoft Office and Acrobat.

To learn more, contact the Training Department at training@cambridgesoft.com or visit the course description online at: http://scistore.cambridgesoft.com/ScistoreProductPage.aspx?itemID=60237
Recorded Training Webinars
Learning the Ultimate Chemistry, Biology & Knowledge Suite

Recorded Training Webinars are now available to customers for a small fee per user, per recording. Users will be given the ability to stream a recorded webinar to their personal computer via a link that will be provided by email once payment has been processed.

ChemDraw is the industry standard structure drawing suite for the serious professional to draw accurate, chemically-aware structures for use in database queries, preparation of publication-quality graphics, and entry for modeling and other programs that require an electronic description of molecules and reactions as well as advanced prediction tools. ChemDraw also provides a drawing tool for biological pathways. It includes common pathway elements (membranes, DNA, enzymes, receptors, etc.) as well as the ability to import other elements. One of the advantages over alternative pathways drawing tools is the integrated power of ChemDraw’s chemical intelligence. ChemDraw is the gold standard for chemical and biological drawing, publication, and query preparation.

The session will cover the following:

1. How to start ChemDraw
2. ChemDraw menus
3. Tool palette overview
4. Basic drawing techniques
5. Drawing tips
6. Do and Undo
7. Save and Open
8. Working in docs
9. Cleanup Structure
10. Chemical Reactions
11. Shortcuts
12. Hotkeys
13. Nicknames
14. Calculation Properties
15. NMR
16. Name=Structure
17. Sequence tool
18. ChemACX

Webinar Name: ChemDraw Basic

Estimated Duration: 2 hours

Access: Seven full days of access

Who Should Attend: New ChemDraw Users

Delivery Method: A user specific link will be sent to the email address provided

Prerequisites: Users should have used applications in a Windows environment and be familiar with Microsoft Office and Acrobat.

To learn more, contact the Training Department at training@cambridgesoft.com or visit the course description online at: http://scistore.cambridgesoft.com/ScistoreProductPage.aspx?ItemID=6024
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### Applications & Features

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Chem & Bio Office
Software Standard for Scientists

The ultimate software suite for scientists


Chem & Bio Draw includes Struct-Name, ChemDraw/Excel and ChemNMR, BioDraw, a biological sequence tool, hotlinks to 3D structures, Stoichiometry grid, live linked chemical property calculations, a TLC plate tool and more. The ChemDraw ActiveX/Plugin adds chemical intelligence to your browser for querying databases and displaying information.

Computational chemistry made easy

ChemBio3D provides state-of-the art visualization and display of protein structures, molecular surfaces, molecular orbitals, electrostatic potentials, charge densities and spin densities. Chem3D provides basic computational tools such as 3D Molecular Overlay and Dihedral Driver and utilizes MOPAC, Jaguar, Gaussian, GAMESS and extended Hückel to compute molecular properties. ChemProp computes Connolly surface areas, molecular volumes and properties, including ClogP, molar refractivity, critical temperature and pressure.

Desktop to enterprise searching


Ultimate suite for biologists


Draw pathways

BioDraw provides support for biological pathway drawing and annotation. A wide variety of customizable drawing tools are available, including membranes, DNA, enzymes, receptors, tRNA, ribosomes, and a plasmid map tool.

Screening data

BioAssay manages both high and low throughput biological screening data. Designed for complex lead optimization, the software supports the quick set-up of biological models.

Visualize data

BioViz offers automated statistical analysis, curve fitting, and customized structure activity reports, including a user-friendly interface for importing, viewing, validating and plotting chemical and biological data.

Handle reagent tracking

Inventory manages your reagent and biological tracking needs. Using MSDE as the desktop database, you organize, store and search over your inventory. Inventory integrates with the ChemACX database of available chemicals and ChemMSDX safety data providing chemical sourcing and purchasing.

Efficient notebook keeping

E-Notebook is an efficient, accurate way to write notebooks. It stores Microsoft Office documents, ChemDraw structures and reaction drawings, and related data in a notebook searchable by text or chemical structure. Organize pages by project, experiment or in your own style. Use CombiChem/Excel to build libraries.

Access info with ease

Databases include ChemINDEX, including the NCI and AIDS databases. The ChemACX database contains nearly 400 catalogs from leading suppliers and ChemMSDX Database contains over 20,000 material safety data sheets for commonly used laboratory chemicals.

All specifications subject to change without notice.
Research, Discovery, Development, Trials & Manufacturing

**Enterprise Solutions** include Chem & Bio Office with Oracle Cartridge and Chem & Bio Office Workgroup, based on SQL Server to help organizations from small workgroups to large enterprises collaborate and share information more effectively.

**Knowledge Management** with E-Notebook, including Reaction Explorer, CombiChem, E-Signatures for intellectual property protection and 21CFR11 Compliance, streamlines daily record-keeping with rigorous security and efficient archiving.

**Laboratory Informatics** includes Workflow LIMS for instrumentation automation and Compliant SDMS for storage of data.

**Biological Informatics** scientists use BioDraw, BioAssay, BioSAR and BioViz to set up biological models and visualize information, generate spreadsheets correlating structure and activity, search by structure, and draw and annotate pathways.

**Chemical Informatics**, including Registration, organizes new compound information. Inventory provides complete management of chemical and biological inventories including GxP Validation. DocManager indexes chemical structures in documents.

**Manufacturing Informatics** include Inventory to meet the chemical, reagent, sample and compound tracking needs of large multi-site chemical and pharmaceutical laboratories and E-Notebook for manufacturing compliance management.


**Scientific Databases** include the ChemACX Database of commercially available chemicals and Sigma-Aldrich MSDS. The Merck Index and other scientific databases provide information about chemicals, their properties, and reactions.

**Professional Services** include custom development, system deployment, educational training, and technical support for pharmaceutical, biotechnology, and chemical customers, including government and academia, by experienced staff.

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**Email**  info@cambridgesoft.com

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**United Kingdom**  +44 1223 464900

**Europe**  00 800 875 20000  
**Germany**  +49 69 2222 2280

**Japan**  0120 146 700  
**France**  +33 1 70 71 98 80