In the last decade, rapid growth in developing economies and explosive developments in technology have created a worldwide shortage of graduates in science, technology, engineering, mathematics and manufacturing. Compounding the problem, the interest in manufacturing careers has fallen precipitously in the last few decades. Now there is an extreme shortage of the technical expertise needed to accommodate an increasing demand for goods and the growing demand for products from new, stronger and lighter materials.

The shortage of manufacturing professionals presents a huge challenge for colleges, universities and technical schools. Educators must entice students to enter manufacturing, and prepare them for management and execution of the design-through-manufacturing cycle on the modern shop-floor, where the most technically advanced equipment and machine tools are used.

Helping You Meet the Challenge
Gibbs and Associates, with a history of dedicated solutions for education, is prepared to assist in fulfilling the requirements of practical CNC programming and machining which can be applied in the industrial marketplace. The GibbsCAM Education Editions are the ideal tools for preparing students for making discrete parts on the shop-floor, from understanding concepts and processes to learning practical procedures. GibbsCAM’s integration with all the major CAD systems makes it the ideal educational tool for teaching these disciplines.

GibbsCAM Education Editions are ideally suited for teaching and learning. The software is easy to teach, easy to learn, and easy to use.

Whether you are establishing new educational programs and curricula, or need to accelerate hands-on learning, GibbsCAM Education Editions will simplify the task. Teaching GibbsCAM will make learning more interesting and more exciting for your students, and leave them better prepared for manufacturing, ready to join the thousands of companies, large and small, who manufacture components for every sector, with CNC machines that range from the simplest to the most capable and complex. What is drudgery for students using other software becomes fast, interesting and enjoyable with GibbsCAM.
We make this possible with two Education Editions, beginning with the Classroom Edition for stand-alone and network implementations. It is operationally and functionally identical to the industrial version. The GibbsCAM Classroom Edition is complemented with the Student Edition, which is a very economical personal version that students can use on their own computers for work outside the classroom. The Student Edition is licensed for a year, and available to students enrolled in classes using the Classroom Edition. It is operationally identical, and provides bidirectional file exchange with the Classroom Edition - learning that begins in class can be augmented through practice and learning off campus.

**Why GibbsCAM?**

GibbsCAM Education Editions are ideally suited for teaching and learning. The software is easy to teach, easy to learn, and easy to use, leaving instructors more time to teach and students more time to learn. The software is stable and consistent from one version to the next, for trouble-free updates, year after year. Education Editions are operationally identical to industrial versions, so what is learned in class is immediately applicable in industry. GibbsCAM was developed with foresight, looking at the future, and it is enhanced the same way, so it is always ready for new processes and machines when industry begins to adopt them. Educational institutions have support from local representatives familiar with local industry, companies and developments, and from GibbsCAM headquarters.

"It is easy to teach programming with this CAM software, because it is easy to learn and fun to use. In programming all types of machine tools, from simple lathes, to 5-axis machining centers and complex multi-tasking machines, learning could not be easier. Students enjoy learning."

DAVID CHAMPION, CNC INSTRUCTOR

LAWSON STATE COMMUNITY COLLEGE, BESSEMER, ALABAMA
Ease of Use » GibbsCAM was designed for ease of learning and ease of use. From its inception, it was developed so that manufacturers can take the shortest path from concept or CAD model to a completed machined part. With icons and interactive panels that use manufacturing and machining terminology used in industry, it has a logical flow. This allows users to quickly and easily grasp procedures, and generate machine-ready processes. It requires less interaction (fewer mouse clicks) than any other CAM software, and it achieves this ease-of-use and speed without sacrificing capability. Aside from its established reputation for ease of learning and ease of use, we have documented evidence of a 12-year old boy who learned GibbsCAM to become the primary CNC programmer in his father’s shop.

“Local companies need employees ready to program and operate machine tools. Because the GibbsCAM educational version looks, feels and operates exactly like the industrial version, our graduating students are ready for jobs. They cannot tell the difference between the educational version and the industrial version.”

KASSIE STORM, SECOND YEAR PRECISION MACHINING INSTRUCTOR
LAKE AREA TECHNICAL INSTITUTE, WATERTOWN, SOUTH DAKOTA

Geared for Industry » Because the GibbsCAM Classroom Edition is operationally identical to the industrial version, a student who learns in the classroom is ready for the production environment. Industrial, process and manufacturing engineering graduates will have grasped concepts quickly, while those who choose CNC programming or machining careers will be ready to work, with solid grounding and experience with an industrial software application. For schools teaching machining and machine-tool technology, Gibbs provides the required post processors, directly from its library of over 11,000 post processors, ready for use. This means instructors spend no time creating and troubleshooting post processors, and never waste time with related problems a student could encounter. Instructors have more time to teach, and students have more time to learn.
Support » From your local representative to GibbsCAM headquarters, we are committed to helping educational institutions achieve their goals. The GibbsCAM Classroom and Student Editions are delivered with many instructional and reference PDF files. In addition, many GibbsCAM Resellers provide complementary training materials, from video tutorials, to study guides, lesson plans, and text books. Some also provide assistance with curriculum development or a full curriculum ready for adaption to a school’s engineering or industrial programs. In addition, Gibbs maintains a GibbsCAM Grant Program to provide software licenses, at a reduced rate, or possibly free of charge, to qualified institutions, under the guidance of local GibbsCAM Resellers and approvals from Gibbs Management.

"Since implementing GibbsCAM in our Curriculum students are more engaged and enthusiastic during classes. GibbsCAM is our tool of choice bringing educators and students into the real world."

ROB ATAMAN, COORDINATOR
RED RIVER COLLEGE, WINNIPEG, MANITOBA, CANADA

Into the Future » From its beginning, GibbsCAM was developed for the present and the foreseeable future. For example, when the first computers with graphic user interface appeared in 1984, GibbsCAM was the first to incorporate the technology. A more recent example is that when multi-task machines (MTM) became available, and other CAM software companies nearly ignored them, GibbsCAM developers initiated support for the machines. Today, as companies are rapidly adopting the machines, GibbsCAM is the worldwide leader in programming MTM equipment, with the same ease of use that originated 30 years ago. Its developers continue to study the horizon, to develop software tools that new processes and machinery will require. Schools and students that need learning for today, with preparation for the future, are best served by GibbsCAM.

Simplified Teaching and Learning » All the attributes of GibbsCAM make it ideally suited for education. From ease of teaching, to ease of learning and ease of use, the software provides all the power enjoyed by industrial users, without the complexity of learning, using and maintaining other software. To create the graduates that the manufacturing industry desperately needs, you cannot choose a better teaching and learning platform than the GibbsCAM Education Editions. You will graduate more capable students ready for industry, to the great benefit of your school, your students, and your local industry.