

To whom it may concern,

The following description is to certify [REDACTED] attended three-year junior college program of Anhui Finance & Trade Vocational College from [REDACTED]
[REDACTED]


The following course description is extracted from the syllabus:

Basis of Software Technology

Basis of Software Technology consists of four chapters and ten sections, introducing the basic concepts of data structure, basic data structure as well as its operation, search and sequencing techniques, operating system principles, introduction of popular operating systems, database principles, database application, software engineering, software development process and object-oriented software engineering.

Computer Mathematics

This book is designed for higher vocational college education, is closely combined with needs of the specialty and focuses on the application of mathematical ideas and methods. This book considers the characteristics of higher vocational college students, explains profound theories in simple and high readable language, facilitate the students' understanding and grasping of mathematical knowledge. This book consists of eight chapters, with the main contents including limits and continuity, derivative and differential, derivative application, indefinite integral, definite integral, differential equation, elementary linear algebra and set.



Basics of Computer Application

This book considers the current situation of development of computer and information technology, starts with training the information literacy of higher vocational college students and highlights the characteristics of case teaching, task-driven teaching and other teaching reform initiatives. The cases in the book are closely related with the study, life or employment of college students, covering Windows XP operating system, network and Internet application, Word 2003 word processing software, Excel 2003 spreadsheet, PowerPoint 2003 and other modules.

Program Logic and Realization of C Language

C language is a general advanced programming language with low-level language functions which other advanced languages do not have. It can be used to write system programs as well as write applications. This book introduces the data type, operator, expression, data structure, grammar structure and the basic methods of programming in C language, allows students to acquire the ability and logic of using C language to short program design, analysis and debugging.

Web Programming

This book consists of 13 chapters dealing with HTML basics, text and layout control mark, image, hyperlink, table and framework, form and special object, CSS style sheet, CSS layout of webpage, JavaScript scripting language and XML basics. It gives a systematic introduction of the basic theories and methods of web design using code and Dreamweaver tools and the latest technologies developed by browsers through lots of examples, focuses on training the programming ability of students to lay a foundation for subsequent courses.

JAVA Object-oriented Programming

This course gives a systematic introduction of the methods and techniques of object-oriented programming using Java language through rich and practical selected examples, focuses on enhancing the readers' ability of using Java language and object-oriented techniques to solve practical problems. Its contents include an overview of object-oriented programming, overview of Java language, JAVA application, variable, data type, operator and conditional structure, loop structure, object and class, class method, array, string and practice, preparing for follow-up study.

Realization of Object-oriented Encoding Using JAVA

Based on the introduction of object-oriented programming, this course allows students to further study the encapsulation, inheritance and polymorphism of JAVA, interface, error exception handler, as well as Java graphical user interface design, Applet and its application, I/O system, multithreaded programming, multimedia programming and network programming, so as to get a more comprehensive knowledge and grasp of the abstractness, encapsulation, inheritance and polymorphism of JAVA.

Computer Assembly and Maintenance

This course mainly introduces the composition, working principles, common types, selection and hardware assembly of components of the latest microcomputer, composition and working principle of multi-media computer, installation and debugging, detection and maintenance skills of common failures. It aims at allowing students to understand the components and working principle of computer, grasp the assembly of computer, identification of computer system failure, the methods of system failures, the methods of system maintenance and repair and the use of some common computer system maintenance software.

SQLSERVER Application Development

This course deals with SQL Server configuration and management, SQL Server database security management, using Enterprise Manager to manage database, using Transact-SQL for dynamic maintenance of SQL Server, SQL basic query, string/digital/date time query, aggregated data query, subquery, link/combined query, advanced query, distributed query, updating SQL Server data, process control and the use of functional statement, index and view.

Database Design and Advanced Query

This course focuses on elaborating on the use of relational database SQL Server, highlights the ability of using all kinds of SQL statements to operate the database and its table on the basis of grasping the fundamental principles of relational database while providing relevant interfaces as the database support platform of most application software systems, design and realization of database in SQL Server database management system, using T-SQL language for database programming, enhancing database programming ability through establishing affair, index, view and storage process and trigger, laying a solid foundation for developing application software system based on database.

Development of WEB Application System Using JSP

This course mainly consists of 4 learning situations, i.e. creation of Web project, realization of page jump, Web project developed on the basis of MVC and simplification of JSP page. This course organizes the teaching contents under project-driven model, allows students to learn and grasp JSP techniques, JSTL and EL expressions, Struts 2 standard tag library, custom tag library and Ajax in finishing corresponding project modules through 4 learning situations, and highlight the active

link between the knowledge of all parts under the coverage of basic knowledge and distinct structural system.

JS Validation and Special-effect Production

This course gives a systematic description of javascript and relevant css, dom, ajax and jquery techniques. This course starts with javascript language fundamentals, discusses the knowledge of image, framework, browser window, form, regular expression, user event and cookie.

Further Discussion of .NET Platform and C# Programming

This course introduces two main components of .NET framework: common language runtime and framework class library. .NET framework offers the environment of creation, deployment and operation of .NET application, including CLR and framework class library, and introduces method overload, value type and reference type in C# programming, enumeration and use of indexer in class, access to elements using array index, organizing relevant data using set, for examples, organizing data by ArrayList and Hashtable. This course also discusses .NET file reading and writing and XML data, object-oriented property and method, inheritance and polymorphism, and introduces serialization and deserialization.

.NET Development Application System

This course introduces Windows .Net 2008 tool environment, .NET framework, system framework, basic database principle and SQL language in .NET environment and the programming language C# in .NET environment, gives a detailed description of several main aspects involved in database application system development in .NET environment, including database connection, data acquisition, data processing, data

updating, affair and security, using controls to quickly develop user interface, using DataGridView to display and operate database, user interface design and improvement and other practices.

Asp.net Development of Online Bookstore

This course introduces the techniques of program development using ASP., mainly discusses ASP. development basis, development environment, character and character string, operator, array and set, built-in object, ADO. Technique, standard server control, data binding control, Web user control, data validation control, GDI+ graphics and image technologies, AJAX no refresh technology, debugging and error processing, and gives a detailed description of relevant contents of object-oriented programming, allowing students to apply theoretical knowledge in practical projects through learning, applying and developing online bookstore project based on ASP.NET technology.

Computer Network Technology

This course is designed to allow students to grasp the concepts of network communication standard and technology, grasp the basic theories and methods of network communication, grasp main network technologies through teaching and practice, OSI seven layer architecture, communication media, encoding, modulation and demodulation, transfer model, multiplexing, data compression, parity check, cyclic redundancy check, RSA algorithm, digital signature, identification based on hashing technique, viruses, worms and hackers, basic flow control, sliding window protocol, network topology, Ethernet IEEE 802.3 standard, wireless local network IEEE802.11B G standard, network routing and algorithm, TCP/IP, IP addressing, IP grouping, domain name system, IP routing, ICMP ARP RARP, IPv6, TCP protocol and UDP protocol.

Animation Production

Flash8Perfect Animation Design and Production takes Flash 8 as the production platform, perfectly integrates animation creation and production, elaborates on the knowledge and operating methods of Flash software from zero and arrange different examples in elaboration with the difficulty increasing with the content. This book emphasizes relatively complete case production process in elaboration, divides all complex cases into “material preparation” and “animation production” and other steps and stages and elaborates the procedures from the production of elements to post processing step by step, allowing readers to quickly grasp the key points in operation and grasp the key links in production. Besides, most advanced examples in the book introduces relative scripting tutorial, i.e. integrating script knowledge into animation production, writing script according to the needs of animation design and making the elaboration more practical. Readers can also apply the knowledge acquired in actual creation more easily and follow their own way to design unique works.

LINUX Basis

This book offers a systematic introduction of the basic use and system management of Linux step by step, covering Linux overview, Linux installation, Linux basic configuration, basic operation of desk environment, Shell basic command, file and directory management, software package management, disk management, user and user group management, progress management, network configuration, browsing webpage, receiving and sending emails, file transfer and sharing, remote login, multimedia application, image browsing and processing, printer configuration and the use of office software.



Computer Network Security

This book centers on network security application technology, offers a systematic introduction of the knowledge of computer network security step by step and highlights the training of students' practical application skills and hands-on ability. This book consists of 9 chapters, covering basic knowledge of network, computer virus, encryption and digital signature technique, operating system loopholes, firewall technology, port scanning technique, intrusion detection and wireless local network security. This book is rich and substantial in content, easy to understand, centering on examples combined with lots of experience and skills.

