

The Planning Pickle

Jon Adams, Tom Fite



The University of
Montana

The Problem

Student Retention



Student Retention

- ▶ Provost initiative for improving student retention
- ▶ Tuition generates more than 60% of general fund revenue at UM
- ▶ How can IT provide support for retention goals?
- ▶ First initiative – The UM Portal



UM Portal

- ▶ IT goal – build a case for a portal
 - Single Sign On
 - Data Integration
- ▶ Unlock data and extend functionality
- ▶ Focus on student academic data
- ▶ The transition from UM Portal to “OneStop”



OneStop Portal

▶ Course List



ONE stop
access to online services

HOME | ACADEMICS | CAMPUS | EMPLOYMENT | MISSOULA | BUGS | FEEDBACK

Courses

Term: Spring Semester 2008

Estimate GPA | Map | Print | Schedule | Email | Get Books

Course	Title	Credits	Location	Days	Time	Instructor
CS 435-01	Web Programming	3.0	SS 420	MWV	04:10 PM - 05:30 PM	Michael Cassens
IS 370-01	Database Mgmt Systems	3.0	GBB 201	MWF	09:10 AM - 10:00 AM	Laurie Toomey
IS 372-01	Telecommunications Mgmt	3.0	GBB L09	TR	09:40 AM - 11:00 AM	Cameron Lawrence
IS 478-01	Dev of E-Commerce Systems	3.0	GBB L04	TR	11:10 AM - 12:30 PM	Clayton Looney

Official Notices

Common Course
Numbering and Autumn
Semester 2009
Registration - 4/07/09

Memo to: All UM Students
Planning to Register for



OneStop Portal

► Transcript

The screenshot shows the OneStop Portal interface. At the top, there is a navigation bar with links for HOME, ACADEMICS, CAMPUS, EMPLOYMENT, MISSOULA, BUGS, and FEEDBACK. Below this is a 'Courses' section with a search bar and tabs for 'Courses' and 'Transcript'. The main content area displays a transcript for a student in the Computer Science major. The transcript is organized by semester, starting with Spring Semester 2007. Each semester includes a table of courses with columns for Course, Title, Instructor, Credits, Earned, Grade, and Quality Pts. Summary statistics for each semester are provided, such as 'Earned Credits: 12.0 Semester GPA: 4.0 Cumulative GPA: 3.7' for Spring 2007. The transcript also includes sections for Autumn Semester 2006 and Spring Semester 2006. On the left side of the page, there are 'Official Notices' and 'Quick Links' sections. The 'Official Notices' section contains a memo about 'Common Course Numbering and Autumn Semester 2009 Advising/Registration' and a notice for 'Staff Appreciation Day 2009'. The 'Quick Links' section includes a link for 'Academic Advising'.

ONE stop
access to online services

HOME ACADEMICS CAMPUS EMPLOYMENT MISSOULA BUGS FEEDBACK

Courses

Transcript

Major: Computer Science, Concentration: Not listed

Course	Title	Instructor	Credits	Earned	Grade	Quality Pts
Spring Semester 2007						
CS 415E-01	Comp, Ethics, & Society	Yolanda Reimer	3.0	3.0	A	12.0
CS 477-01	Computer Sim & Modeling	Jesse Johnson	3.0	3.0	A	12.0
MAR 495-01	Artspace	Richard Hughes	3.0	3.0	A	12.0
MAR 596-03	Independent Study	Richard Hughes	3.0	3.0	A	12.0
			Earned Credits: 12.0 Semester GPA: 4.0 Cumulative GPA: 3.7			
Autumn Semester 2006						
ANTH 101H-02	Introduction to Anthropology	David Kerr	3.0	3.0	A	12.0
CS 446-01	Computer Graphics	Jesse Johnson	3.0	3.0	A	12.0
CS 476-01	User Interface Design	Yolanda Reimer	3.0	3.0	A	12.0
MAR 395-01	Prin of Dig Still Image Design	Gregory Twigg	3.0	3.0	B+	9.9
MAR 496-01	Ind Study	Richard Hughes	3.0	3.0	A	12.0
			Earned Credits: 15.0 Semester GPA: 3.86 Cumulative GPA: 3.66			
Spring Semester 2006						
CS 365-01	Database Design Mgmt Sys	Yolanda Reimer	3.0	3.0	A	12.0
CS 442-01	Theory & Practice II	Joel Henry	3.0	3.0	A	12.0
CS 488-01	Computer Networks	Don Morton	3.0	3.0	A	12.0
MAR 316-01	Final Media Project	Richard Hughes	3.0	3.0	A	12.0
MAR 396-01	Ind Study	Richard Hughes	3.0	3.0	A	12.0
PHYS 222N-01	Fund of Physics w/Calc II	James Jacobs	5.0	5.0	B-	13.5
			Earned Credits: 20.0 Semester GPA: 3.67 Cumulative GPA: 3.63			
Autumn Semester 2005						

Print Email Show All Semesters

Official Notices

Common Course Numbering and Autumn Semester 2009 Advising/Registration - 4/08/09

Memo to: All UM
Staff From: Ed Johnson & am...
Read more...

Staff Appreciation Day 2009 - 4/03/09

On Wednesday, 29 April 2009, The University of Montana will celebrate the thirteenth annual "Staff Appreciation Day." Human Resource Services


Quick Links

► Academic Advising



OneStop Portal

▶ Adviser Information



Adviser Information

Adviser for Spring Semester 2009

Name:	Clayton Looney
Office Location:	GBB 310
Email Address:	clayton.looney@umontana.edu
Contact Phone Number:	243-5895

If the adviser listed for you is incorrect and you have declared a major please notify your department, otherwise please see the advising center.
[See this page for more information.](#)



Academic Planner

- ▶ The next project for improving student retention
- ▶ Give students tools to plan their academic careers
- ▶ Why is it needed? Let's look at the old planning process...



Planning Process

- ▶ Find courses in course catalog

Anthropology - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://umt.edu/catalog/cas/anthropology.htm
Most Visited Getting Started Latest Headlines

Courses

U = for undergraduate credit only, UG = for undergraduate or graduate credit, G = for graduate credit. R after the credit indicates the course may be repeated for credit to the maximum indicated after the R. Credits beyond this maximum do not count toward a degree.

Anthropology (ANTH)

U 100H Introduction to Latin American Studies 3 cr. Offered autumn or spring. Same as MCLG 100H. Multidisciplinary survey and introduction to Latin America from pre-Columbian times to the present.

U 101H Introduction to Anthropology 3 cr. Offered autumn and spring. Offered intermittently in summer. A survey of anthropology which introduces the fundamental concepts, methods and perspectives of the field. The description and analysis of human culture, its growth and change. The nature and functions of social institutions.

U 102S Race and Minorities 3 cr. Offered autumn. Analysis of the development and concept of race as a social category and the processes of cultural change within and between ethnic groups.

U 103 Food and Culture 3 cr. Offered spring. Examination of the ways culture shapes the satisfaction of a biological need; food production, preparation, choices, customs, taste, taboos, beverages, spices and food distribution around the globe.

U 104 Orientation to the U.S. 2 cr. Offered spring. Examination of American cultural and societal trends from a cross-cultural perspective to help new and continuing foreign students adjust to life in the United States and to offer U.S. students an opportunity to examine their own culture from the perspective of members of other cultures.

U 106 The Silk Road 3 cr. Offered autumn and spring. Same as AS and HIST 106. Introduction to the study of the human communities, cultures, and economies in Central and Southwest Asia along the ancient four thousand mile-long Silk Road.

U 195 Special Topics Variable cr. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

U 198 Internship Variable cr. Offered every term. Prereq., consent of department. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.

U 201 Human Sexuality 3 cr. Offered autumn. Same as BIOL 265N. Biological,

Done



Planning Process (cont)

- ▶ Fill out an advising form
- ▶ Try not to spill coffee on it

Computer Science Advising Form

Advisor: _____

Before meeting with your advisor, you should complete the personal data, current course schedule, and proposed course schedule below.

List any concerns in "comment" areas.

Date: 4/09/2009

Student ID Number: 790-10-0000 E-Mail: tomfite@gmail.com

Name: Fite Tom H
(Last) (First) (MI)

Mailing Address: 304 S 3rd St W Minneapolis MT 59801
(Number and Street) (City) (State) (Zip)

Phone: 555-5555
(Home/Cell) (Workplace and Phone)

Current Semester – problems, comments

This Semester – **current course schedule**

SUBJECT	COURSE#	CREDITS	GRADE
ANTH	101	3.0	A
CS	446	3.0	A
CS	476	3.0	A
MAR	395	3.0	B+
MAR	406	3.0	A
_____	_____	_____	_____
_____	_____	_____	_____

CS Credits 6.0 Total Credits 15.0

Next Semester – plans, comments

Media Arts independent study

Next Semester – **proposed course schedule**

SUBJECT	COURSE#	CREDITS
CS	415	3.0
CS	477	3.0
MAR	495	3.0
MAR	596	3.0
_____	_____	_____
_____	_____	_____

CS Credits 6 Total Credits 12.0

New Students Only Date of Birth: _____ Place of Birth _____
 High School Name and Location _____
 Parent/Guardian Name _____ Phone _____
 Address _____

Planning Process (cont)

- ▶ Take the paper to your adviser and discuss the next semester
- ▶ Log into Banner's web interface and register for courses



Planning Process (cont)

► Search for courses

Subject:	Art Asian Studies Astronomy
Course Number:	<input type="text"/>
Title:	<input type="text"/>
Instructional Method:	
Credit Range:	<input type="text"/> hours to <input type="text"/> hours
Campus:	All UM-Msla UM-CT
Course Level:	All Graduate Undergraduate
Part of Term:	Non-date based classes only
Session:	All Internet
Attribute Type:	All American and European Ethical & Human Values Course
Start Time:	Hour <input type="text" value="00"/> Minute <input type="text" value="00"/> am/pm <input type="text" value="am"/>
End Time:	Hour <input type="text" value="00"/> Minute <input type="text" value="00"/> am/pm <input type="text" value="am"/>
Days:	<input type="checkbox"/> Mon <input type="checkbox"/> Tue <input type="checkbox"/> Wed <input type="checkbox"/> Thur <input type="checkbox"/> Fri <input type="checkbox"/> Sat <input type="checkbox"/> Sun
<input type="button" value="Class Search"/> <input type="button" value="Reset"/>	



Planning Process (cont)

▶ Select courses from search results

Sections Found																				
Business Admin--Accounting																				
Select	CRN	Subj	Crse	Sec	Cmp	Cred	Grade Mode	Title	Days	Time	Cap	Act	Rem	XL Cap	XL Act	XL Rem	Instructor	Date (MM/DD)	Location	Attribute
<input type="checkbox"/>	50542	ACCT	201	01	M	3.000	T	Financial Accounting	MTWR	09:30 am-11:20 am	50	23	27	0	0	0	Barbara A. Chaney (P)	05/26-06/26	GBB 119 UM-Msla	Course Supplement Online
Prerequisite: a letter grade of "C" or better in MATH 117 or concurrent registration in MATH 117.																				
<input type="checkbox"/>	50543	ACCT	202	30	M	3.000	T	Managerial Accounting	MTWR	07:30 am-09:20 am	35	44	-9	0	0	0	Ronald F. Premuroso (P)	06/29-07/31	GBB 201 UM-Msla	Course Supplement Online
Prerequisite: letter grades of "C" or better in both ACCT 201 and MATH 117.																				
<input type="checkbox"/>	50461	ACCT	298	60	M	1.000-3.000	T	Internship		TBA	99	0	99	0	0	0	Robert O. VanDriest (P)	05/26-07/31	TBA	Course Supplement Online
Arrange with Internship Director.																				
<input type="checkbox"/>	50049	ACCT	311	01	M	3.000	T	Intermediate Accounting I	MTWR	09:30 am-11:20 am	40	17	23	0	0	0	Barbara Reider (P)	05/26-06/26	GBB L14 UM-Msla	Course Supplement Online
Prerequisites: A letter grade of "C" or better in ACCT 201 and ACCT 202 and completion of lower core coursework.																				
<input type="checkbox"/>	50404	ACCT	312	30	M	3.000	T	Intermediate Accounting II	MTWR	09:30 am-11:20 am	40	34	6	0	0	0	Teresa K. Beed (P)	06/29-07/31	GBB 222 UM-Msla	Course Supplement Online
Prerequisites: a letter grade of "C" or better in ACCT 311 and completion of lower core coursework.																				
<input type="checkbox"/>	50465	ACCT	396	01	M	1.000-6.000	T	Independent Study		TBA	99	0	99	0	0	0	Terri Herron (P)	05/26-06/26	TBA	Course Supplement Online
C/I required on override slip. For ACCT 396 Students should obtain an application from GBB 354 and arrange the course with an instructor.																				
<input type="checkbox"/>	50466	ACCT	396	30	M	1.000-6.000	T	Independent Study		TBA	99	0	99	0	0	0	Terri Herron (P)	06/29-07/31	TBA	Course Supplement Online
C/I required on override slip. For ACCT 396 Students should obtain an application from GBB 354 and arrange the course with an instructor.																				
<input type="checkbox"/>	50467	ACCT	496	01	M	1.000-6.000	T	Independent Study		TBA	99	0	99	0	0	0	Terri Herron (P)	05/26-06/26	TBA	Course Supplement Online



Planning Process (cont)

- ▶ Deal with major restrictions, course overrides, etc.
 - Course override error

❌ Registration Add Errors									
Status	CRN	Subj	Crse	Sec	Level	Cred	Grade	Mode	Title
C/I required on override	50673	MGMT	446	30	Undergraduate	3.000	Traditional		Strategic Management

- Closed section

❌ Registration Add Errors									
Status	CRN	Subj	Crse	Sec	Level	Cred	Grade	Mode	Title
CLOSED SECTION	50543	ACCT	202	30	Undergraduate	3.000	Traditional		Managerial Accounting

- Major restriction

❌ Registration Add Errors									
Status	CRN	Subj	Crse	Sec	Level	Cred	Grade	Mode	Title
MAJOR RESTRICTION	50235	ACCT	698	60	Undergraduate	1.000	Traditional		Accounting Internship



Planning Process Problems

- ▶ Cannot view plan without registering
- ▶ No course descriptions shown in web registration
- ▶ Registration restrictions
- ▶ If you want to plan future semesters, it must be done on paper



The Academic Planner

- ▶ Plan is not tied to registration
- ▶ Robust searching options and results with course descriptions
- ▶ Allow maximum flexibility
- ▶ Plan upcoming semester and rest of academic career



Demo



The University of
Montana

Demo – This screen shows all planned semesters on the user's plan.

The screenshot shows a web browser window titled "The University of Montana - Academic Planner - Mozilla Firefox". The address bar shows the URL: <http://www.umt.edu/AcademicPlanner/courses/CoursesController?action=academicPlannerView&selectedPlanId=2243>. The page header includes the University of Montana logo and the text "Academic Planner BETA". A search bar is visible with the text "SEARCH UM" and a "Go" button. The main content area displays a welcome message: "Welcome, Tom Fite. Today is Friday, April 10, 2009." and navigation links: "Course Catalog | CyberBear | Course Conversion | Help | Logout". The user's plan is titled "My Plans > Demo Plan". The plan details include a "Demo Plan" section with options to "Send To", "Set As Default", and "Rename Plan". Below this is a table for "Fall 2009" with columns for Subject, Course, Title, and Credits. The table lists four courses: COMM 111A (Intro. to Public Speaking, 3 credits), GRK 101 (Elementary Greek I, 5 credits), LIT 220L (Brit Lit: Med to Renaissance, 3 credits), and WRIT 101 (College Writing I, 3 credits). The total semester credits for Fall 2009 are 14. Below the Fall 2009 table is a table for "Spring 2010" with columns for Subject, Course, Title, and Credits. The table lists one course: LIT 221L (Brit Lit: Enlightenment to Rom, 3 credits). The total semester credits for Spring 2010 are 3. A "Plan Credit Summary" section shows "Expressive Arts Course : 3" and "Literary & Artistic Stds Crse : 3", with a total of "Course Credits: 17". A "Warnings" section contains two messages: "This schedule is for planning only. To register for classes use CyberBear." and "Semesters after Fall 2009 have not yet been scheduled, actual course offerings will vary." The browser status bar at the bottom shows "Done".

The University of Montana Academic Planner BETA

Welcome, Tom Fite. Today is Friday, April 10, 2009.

Course Catalog | CyberBear | Course Conversion | Help | Logout

My Plans > Demo Plan

Demo Plan

Add a semester... [Send To](#) [Set As Default](#) [Rename Plan](#) [Expand All](#) [Collapse All](#)

Fall 2009 [Search and Schedule Courses](#) [Delete](#)

Subject	Course	Title	Credits
COMM	111A	Intro. to Public Speaking	3
GRK	101	Elementary Greek I	5
LIT	220L	Brit Lit: Med to Renaissance	3
WRIT	101	College Writing I	3

Select a Subject... Select a Course... Total Semester Credits: 14

Spring 2010 [Search Courses](#) [Delete](#)

Subject	Course	Title	Credits
LIT	221L	Brit Lit: Enlightenment to Rom	3

Select a Subject... Select a Course... Total Semester Credits: 3

Plan Credit Summary

Expressive Arts Course : 3	Literary & Artistic Stds Crse : 3
----------------------------	-----------------------------------

Course Credits: 17

Warnings

- This schedule is for planning only. To register for classes use CyberBear.
- Semesters after Fall 2009 have not yet been scheduled, actual course offerings will vary.

Demo - This screen shows a planned semester with a schedule conflict. Also shown are search results for expressive arts courses that meet on Tuesday and Thursday.

The University of Montana - Academic Planner - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.umt.edu/AcademicPlanner/courses/CoursesController?mode=page&action=advancedTermView&plannedTermId=22

Most Visited Getting Started Latest Headlines

The University of Montana Academic Planner BETA

A to Z Index | Academic Index | Directory | Text Only SEARCH UM Go

Welcome, Tom Fite. Today is Friday, April 10, 2009. Course Catalog | CyberBear | Course Conversion | Help | Logout

My Plans > Demo Plan > Fall 2009

Scheduled Courses

Expand All Collapse All View Schedule

Course	Title	Cr.	CRN	Seats	Loc.	Days	Time	Instructor
COM 160A - 06	Oral Communications	3	73131	0/20	HB 07	-T-R---	3:40PM-5:00PM	Staff Staff
COMM 111A - 10	Intro. to Public Speaking	3	70043	0/27	LA 244	-T-R---	11:10AM-12:30PM	Steven Schwarze
GRK 101 - 01	Elementary Greek I	5	71595	0/30	LA 334	MTWRF--	11:10AM-12:00PM	Matthew Semanoff
LIT 220L - 01	Brit Lit: Med to Renaissance	3	74012	0/50	LA 203	M-W-F--	2:10PM-3:00PM	J. Browning
WRIT 101 - 15	College Writing I	3	70081	0/24	LA 303	M-W-F--	1:10PM-2:00PM	Staff Staff

Total Semester Credits: 17

Warnings

- This schedule is for planning only. To register for classes use CyberBear.
 - This schedule has time conflicts, you will not be able to register for these courses until the conflicts are resolved.

Search Courses

Subject: Course Title:

Course: Show Full Courses:

Advanced

Search Reset

Search Results

Expand All Collapse All Next

Course	Title	Cr.	CRN	Seats	Loc.	Days	Time	Instructor
ART 314A - 01	Elementary School Art	3	71571	0/18	FA 102	-T-R---	8:10AM-10:00AM	Barbara Tilton
Offered every term. Visual art teaching methods for future elementary school teachers to include production of original works in a variety of media, methods of critique, curricular components, media management, resources and guided teaching experiences in a school setting.								
ART 314A - 02	Elementary School Art	3	71572	0/18	FA 102	-T-R---	10:10AM-12:00PM	Staff Staff
COM 160A - 01	Oral Communications	3	70617	0/20	HB 01	-T-R---	8:10AM-9:30AM	Staff Staff
COM 160A - 06	Oral Communications	3	73131	0/20	HB 07	-T-R---	3:40PM-5:00PM	Staff Staff
COMM 111A - 01	Intro. to Public Speaking	3	70038	0/27	LA 302	-T-R---	8:10AM-9:30AM	Steven Schwarze
COMM 111A - 02	Intro. to Public Speaking	3	70039	0/27	LA 307	-T-R---	8:10AM-9:30AM	Steven Schwarze
COMM 111A - 04	Intro. to Public Speaking	3	70040	0/27	LA 201	-T-R---	9:40AM-11:00AM	Steven Schwarze

Done

Demo - This screen shows the resolved schedule conflict. Search results are shown for all sections of Writing 101 - College Writing I

The University of Montana - Academic Planner - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.umt.edu/AcademicPlanner/courses/CoursesController?mode=page&action=advancedTermView&plannedTermId=22

Most Visited Getting Started Latest Headlines

The University of Montana Academic Planner BETA

A to Z Index | Academic Index | Directory | Text Only SEARCH UM Go

Welcome, Tom Fite. Today is Friday, April 10, 2009. Course Catalog | CyberBear | Course Conversion | Help | Logout

My Plans > Demo Plan > Fall 2009

Scheduled Courses

Expand All Collapse All View Schedule

Course	Title	Cr.	CRN	Seats	Loc.	Days	Time	Instructor
COMM 111A - 11	Intro. to Public Speaking	3	70792	0/27	LA 203	-T-R---	12:40PM-2:00PM	Steven Schwarze
GRK 101 - 01	Elementary Greek I	5	71595	0/30	LA 334	MTWTF--	11:10AM-12:00PM	Matthew Semanoff
LIT 220L - 01	Brit Lit: Med to Renaissance	3	74012	0/50	LA 203	M-W-F--	2:10PM-3:00PM	J. Browning
WRIT 101 - 15	College Writing I	3	70081	0/24	LA 303	M-W-F--	1:10PM-2:00PM	Staff Staff

Total Semester Credits: 14

Warnings

- This schedule is for planning only. To register for classes use CyberBear.

Search Courses

Subject: WRIT-Writing Course Title:

Course: WRIT 101 - College Writing I Show Full Courses:

Advanced

Search Reset

Search Results

Expand All Collapse All Next

Course	Title	Cr.	CRN	Seats	Loc.	Days	Time	Instructor
WRIT 101 - 01	College Writing I	3	70074	0/24	LA 303	M-W-F--	8:10AM-9:00AM	Staff Staff
WRIT 101 - 02	College Writing I	3	70075	0/24	LA 102	M-W-F--	9:10AM-10:00AM	Staff Staff
WRIT 101 - 33	College Writing I	3	70076	0/24	LA 244	M-W-F--	9:10AM-10:00AM	Staff Staff
WRIT 101 - 04	College Writing I	3	70077	0/24	CHEM 102	M-W-F--	10:10AM-11:00AM	Staff Staff
WRIT 101 - 05	College Writing I	3	70078	0/24	LA 102	M-W-F--	10:10AM-11:00AM	Staff Staff
WRIT 101 - 06	College Writing I	3	70079	0/24	LA 303	M-W-F--	10:10AM-11:00AM	Staff Staff
WRIT 101 - 07	College Writing I	3	70080	0/24	LA 307	M-W-F--	10:10AM-11:00AM	Staff Staff
WRIT 101 - 15	College Writing I	3	70081	0/24	LA 303	M-W-F--	1:10PM-2:00PM	Staff Staff
WRIT 101 - 16	College Writing I	3	70082	0/24	LA 102	M-W-F--	2:10PM-3:00PM	Staff Staff
WRIT 101 - 17	College Writing I	3	70083	0/24	GBB 205	M-W-F--	2:10PM-3:00PM	Staff Staff

Results 1 - 10 of 49

Outcomes

- ▶ Strong support from academic officers
- ▶ Provost's office didn't purchase a 3rd party system for advising
- ▶ Currently in a limited beta release with honors students



Future Directions

- ▶ Templates (create and import)
- ▶ Import transcript
- ▶ Graduation requirement analysis
- ▶ Official plan (approved by adviser)
- ▶ Data analysis on course demand, based on official plan






Programming Process

- ▶ Two developers over six months
- ▶ Student employee designed and implemented the interface
- ▶ Portal application as first version
- ▶ Stand-alone application for second version
- ▶ Integrate summary view into portal





Portal Integration


- ▶ Summary view in OneStop Portal
- ▶ Clicking links takes user directly into application (SSO enabled)

 **Academic Planner Summary**  


Below is a summary of your plan(s). To make changes, go to the [Academic Planner](#).


 **Accounting**


 **Computer Science**


 **Fall 2009**


Course	Title
M 171	Calculus I
CS 131	Fund Comp Sci I
CS 241	Data Structures
DRAM 111A	Acting for Non-Majors I
CS 101	Intro to Programming


 **Spring 2010**

 **Fall 2010**

 **Spring 2011**

 **Fall 2011**

 **Spring 2012**

 **Fall 2012**



Questions?



The University of
Montana

Thanks!

- ▶ Tom Fite

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- ▶ Jon Adams

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